



**DVM** System

**CAC** System

**FJM** System

**ERV** System

**EHS** System

Control System

DVM System

SINGLE System




FM System

ERV System

EHS System

Control System




# DVMS LINE UP \_Outdoor Unit




DVM S HP Premium, Compact Modulaion			SINGLE												MODULE											
IMAGE	MODEL	CAPACITY	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	
	AM080JXVHGH/EU	8	1																							
	AM100JXVHGH/EU	10		1																						
	AM120JXVHGH/EU	12			1										1	1										
	AM140KXVGGH/EU	14				1											1						1			
	AM160KXVGGH/EU	16					1											1					1			
	AM180KXVGGH/EU	18						1											1				1			
	AM200KXVGGH/EU	20							1							1				1				1		
	AM220KXVGGH/EU	22								1							1	1	1	1	1	1			1	
	AM240KXVGGH/EU	24									1															
	AM260KXVGGH/EU	26										1														
	AM280KXVGGH/EU	28											1													
	AM300KXVAGH/EU	30												1								1	1	1	1	

DVM S HP Premium, Compact Modulaion			MODULE																			
IMAGE	MODEL	CAPACITY	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	
	AM080JXVHGH/EU	8																				
	AM100JXVHGH/EU	10																				
	AM120JXVHGH/EU	12					1	1														
	AM140KXVGGH/EU	14							1													
	AM160KXVGGH/EU	16								1												
	AM180KXVGGH/EU	18									1											
	AM200KXVGGH/EU	20					1					1										
	AM220KXVGGH/EU	22						1	1	1		1	1	2	1	1	1	1				
	AM240KXVGGH/EU	24	1									1						1				
	AM260KXVGGH/EU	26		1											1					1		
	AM280KXVGGH/EU	28			1												1				1	
	AM300KXVAGH/EU	30	1	1	1	2	1	1	1	1		1	1	1	1	1	1	2	2	2	2	3

\* If you wish to install outdoor unit module with capacity over 66 HP, please contact local Samsung Dealer.




# DVMS LINE UP \_Outdoor Unit

DVM S HP Premium, High Energy Efficiency Modulaion			SINGLE														MODULE									
IMAGE	MODEL	CAPACITY	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	
	AM080JXVHGH/EU	8	1									1	1			2			1	1	1	1	1		1	
	AM100JXVHGH/EU	10		1						1																
	AM120JXVHGH/EU	12			1					1		2		1												
	AM140KXVGGH/EU	14				1									1				1	1					1	
	AM160KXVGGH/EU	16					1																			
	AM180KXVGGH/EU	18						1				1		1	1	1	2	1	1		2	1		2	1	
	AM200KXVGGH/EU	20							1				1					1		1		1	2			
	AM220KXVGGH/EU	22																								
	AM240KXVGGH/EU	24																								
	AM260KXVGGH/EU	26																							1	
	AM280KXVGGH/EU	28																								
	AM300KXVAGH/EU	30																								

DVM S HP Premium, High Energy Efficiency Modulaion			MODULE																			
IMAGE	MODEL	CAPACITY	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	
	AM080JXVHGH/EU	8	1		1		1	1			1											
	AM100JXVHGH/EU	10																				
	AM120JXVHGH/EU	12		1					1													
	AM140KXVGGH/EU	14								1												
	AM160KXVGGH/EU	16																				
	AM180KXVGGH/EU	18		1		2	3	2	3	3	2	4	3	2	1	3	2	1	1	1	1	1
	AM200KXVGGH/EU	20	1						1				1	2	3		1	2	1	1	1	1
	AM220KXVGGH/EU	22																	1			
	AM240KXVGGH/EU	24			1	1															1	
	AM260KXVGGH/EU	26	1	1	1						1					1	1	1	1	1	1	2
	AM280KXVGGH/EU	28																				
	AM300KXVAGH/EU	30																				

\* If you wish to install outdoor unit module with capacity over 66 HP, please contact local Samsung Dealer.



# DVMS LINE UP \_Outdoor Unit

DVM S HP Standard Modulation			SINGLE												MODULE											
IMAGE	MODEL	CAPACITY	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	
	AM080JVAGH/EU	8	1																							
	AM100JVAGH/EU	10		1											1											
	AM120JVAGH/EU	12			1											1										
	AM140KXVAGH/EU	14				1											1									
	AM160KXVAGH/EU	16					1											1					1			
	AM180KXVAGH/EU	18						1											1					1		
	AM200KXVAGH/EU	20							1											1				1		
	AM220KXVAGH/EU	22								1						1	1	1	1	1	1	1	2		1	
	AM240KXVAGH/EU	24										1														
	AM260KXVAGH/EU	26											1													
	AM280KXVAGH/EU	28												1												
	AM300KXVAGH/EU	30													1								1	1	1	1

DVM S HP Standard Modulation			MODULE																			
IMAGE	MODEL	CAPACITY	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	
	AM080JVAGH/EU	8																				
	AM100JVAGH/EU	10					1															
	AM120JVAGH/EU	12						1														
	AM140KXVAGH/EU	14							1													
	AM160KXVAGH/EU	16								1												
	AM180KXVAGH/EU	18									1											
	AM200KXVAGH/EU	20										1										
	AM220KXVAGH/EU	22					1	1	1	1		1	1	2	1	1	1	1				
	AM240KXVAGH/EU	24	1											1				1				
	AM260KXVAGH/EU	26		1											1				1			
	AM280KXVAGH/EU	28			1											1					1	
	AM300KXVAGH/EU	30	1	1	1	2	1	1	1	1		1	1	1	1	1	1	2	2	2	2	3



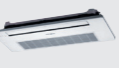








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



# DVMS LINE UP \_Outdoor Unit







DVM S HR High Energy Efficiency Modulation				MODULE															
IMAGE	MODEL	CAPACITY	HP	54	56	58	60	62	64	66	68	70	72	74	76	78	80		
		HP	Ton	44.5	46.5	48	49.5	51.5	53	54.5	56	58	59.5	61	63	64.5	66		
	AM080JVAGR/EU	8	6.5																
	AM100JVAGR/EU	10	8																
	AM120JVAGR/EU	12	10	1	1					2		1	1	1	1	1			
	AM140JVAGR/EU	14	11.5			1						1					1		
	AM160JVAGR/EU	16	13				1						1						
	AM180JVAGR/EU	18	15											1					
	AM200JVAGR/EU	20	16.5	1				2	1							1			
	AM220JVAGR/EU	22	18	1	2	2	2	1	2	3	2		2	2	2	2	3	3	








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# DVMS LINE UP & FEATURE \_Indoor Unit

CASSETTE							
MODEL							
		4Way S	4Way S (600x600)	Slim 1Way	1Way	2Way	360Cassette
CAPACITY (kW)	1.7		●		●		
	2.2		●		●		
	2.8		●	●			
	3.6		●	●			
	4.5	●	●				●
	5.6	●	●		●	●	●
	6.0		●				
	7.1	●			●	●	●
	9.0	●					●
	10.0	●					●
	11.2	●					●
	12.8	●					●
	14.0	●					●
FEATURES	 Powerful Airflow	●	●	●	●		●
	 Ceiling Dust Prevention	●	●	●	●		●
	 Fresh Air Intake	●	●				●
	 High Lift-up Drain Pump	●	●	●	●	●	●
	 Sub Duct	●	●				

DUCT						
MODEL						
		HSP	MSP	Slim	Duct S	Duct S(AC6000J)
CAPACITY	1.7			●		
	2.2			●		
	2.8		●	●		
	3.6		●	●	●	
	4.5		●	●	●	
	5.6		●	●	●	
	7.1		●	●	●	
	9.0		●	●	●	
	11.2	●	●	●	●	
	12.8	●	●	●	●	
	14.0	●	●	●	●	
	18.0					●
	20.0					●
22.0	●					
28.0	●					
FEATURES	 Pre Filter	●	●	●	●	●
	 Easy Filter Cleaning	●	●	●	●	●
	 High Lift-up Drain Pump (Optional)	●	●	●	●	●
	 Smart Pressure Control	●	●	●	●	●

WALL-MOUNTED					
MODEL					
		Neo Forte	Neo Forte-E	AR5000	AR5000-E
CAPACITY (kW)	1.7	●	●	●	●
	2.2	●	●	●	●
	2.8	●	●	●	●
	3.6	●	●	●	●
	4.5	●	●	●	●
	5.6	●	●	●	●
	7.1	●	●	●	●
	8.2				
FEATURES	 Deodorizing Filter	●	●	●	●
	 good sleep	●	●	●	●

CONSOLE & CEILING			
MODEL			
		Console	Ceiling (AC4000J)
CAPACITY	2.2	●	
	2.8	●	
	3.6	●	
	4.5	●	
	5.6	●	●
	7.1		●
	11.2		●
14		●	
FEATURES	 Virus Doctor	●	● (optional)
	 Interior Design	●	●
	 Anti-virus Filter	●	●
	 Lightweight Unit	●	●
	 Flexible Pipe Installation	●	●

# DVMS LINE UP \_Outdoor Unit



## DVMS HP Premium

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

DVMS HP - High efficiency				DVM S HP	AM080JXVHGH	AM100JXVHGH	AM120JXVHGH	AM140KXVGGH	AM160KXVGGH	AM180KXVGGH
Power Supply				Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode				-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP			HP	8.00	10.00	12.00	14.00	16.00	18.00
		Capacity (Nominal)	Cooling	kW	22.40	28.00	33.60	40.00	45.00	50.40
			Heating	Btu/h	76,400	95,500	114,600	136,500	153,500	172,000
					kW	25.20	31.50	37.80	45.00	56.70
Power	Power Input (Nominal)	Cooling <sup>1)</sup>	kW	4.59	6.22	7.57	8.89	10.92	10.68	
		Heating <sup>2)</sup>	kW	4.59	5.89	7.56	9.62	10.75	10.52	
	Current Input (Nominal)	Cooling <sup>1)</sup>	A	7.40	10.00	12.10	14.30	17.50	17.10	
		Heating <sup>2)</sup>	A	7.40	9.40	12.10	15.40	17.20	16.90	
	MCA			22.50 (MCA)	29.90 (MCA)	31.30 (MCA)	25.00 (MCA)	32.00 (MCA)	39.20 (MCA)	
	MFA			30.00	40.00	40.00	40.00	40.00	50.00	
COP	Nominal Cooling <sup>1)</sup>		-	4.88	4.50	4.44	4.50	4.12	4.72	
	Nominal Heating <sup>2)</sup>		-	5.49	5.35	5.00	4.68	4.69	5.39	
Compressor	Type		-	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 2	
	Output		-	(5.18)	(6.39)	(6.39)	(6.39)	(7.81)	(6.39x2)	
	Model Name		-	DS-GB052FAVBSG x 1	DS-GB066FAVBSG x 1	DS-GB066FAVBSG x 1	DS-GB066FAVBSG x 1	DS-GB066FAVBSG x 1	DS-GB066FAVBSG x 2	
Oil	Type	-	PVE	PVE	PVE	PVE	PVE	PVE	PVE	
	Initial Charge		cc	1100	1100	1100	1100	1400	2200	
Fan	Type		-	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n		W	830.0 x 1	830.0 x 1	830.0 x 1	620.0 x 2	620.0 x 2	620.0 x 2	
	Air Flow Rate		CMM	170	170	220	255	255	290	
	External Static Pressure	Max.	mmAq	8.00	8.00	8.00	8.00	8.00	8.00	
Pa			78.45	78.45	78.45	78.45	78.45	78.45		
Piping Connections	Liquid Pipe		Φ, mm	9.52	9.52	12.70	12.70	12.70	15.88	
			Φ, inch	3/8"	3/8"	1/2"	1/2"	1/2"	5/8"	
	Gas Pipe		Φ, mm	19.05	22.22	28.58	28.58	28.58	28.58	
			Φ, inch	3/4"	7/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	
	Discharge Gas Pipe		Φ, mm	-	-	-	-	-	-	
			Φ, inch	-	-	-	-	-	-	
	Oil Equalizing Pipe		Φ, mm	-	-	-	-	-	-	
			Φ, inch	-	-	-	-	-	-	
	Installation Limitation		Max. Length	m	200	200	200	200	200	
			Max. Height	m	110.0	110.0	110.0	110.0	110.0	
Field Wiring	Power Source Wire		mm <sup>2</sup>	-	-	-	-	-	-	
	Transmission Cable		mm <sup>2</sup>	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A	
	Factory Charging		kg	6.50	6.50	6.50	9.40	8.40	8.40	
Sound <sup>3)</sup>	Sound Pressure		dB(A)	57.0	58.0	62.0	61.0	63.0	65.0	
	Sound Power		dB(A)	77.0	79.0	81.0	81.0	83.0	89.0	
External Dimension	Net Weight		kg	201.0	201.0	201.0	241.0	255.0	285.0	
	Shipping Weight		kg	217.0	217.0	217.0	261.0	275.0	305.0	
	Net Dimensions (WxHxD)		mm	880 x 1,695 x 765	880 x 1,695 x 765	880 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	
Shipping Dimensions (WxHxD)		mm	948 x 1,887 x 832	948 x 1,887 x 832	948 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832		
Operating Temp. Range	Cooling		°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	
	Heating		°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	

\* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.  
 \* If you wish to install an outdoor unit module with a capacity of over 66 HP, then please contact your local Samsung Dealer.  
 1) Nominal cooling capacities are based on: Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Equivalent refrigerant piping : 7.5m, Level differences : 0m.  
 2) Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m.  
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.  
 4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)  
 \* PDM kit : Pressure Drop Modulation kit.  
 5) MCA : Minimum Circuit Amps., MFA : Maximum Fuse Amps.  
 \* These products contain R410A which is fluorinated greenhouse gas.

# DVMS LINE UP \_Outdoor Unit



## DVMS HP Premium

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

DVMS HP - High efficiency				DVM S HP	AM200KXVGGH	AM240KXVGGH	AM260KXVGGH	AM280KXVGGH	AM300KXVAGH	AM320KXVGGH1EU
Power Supply				Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode				-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP			HP	20.00	24.00	26.00	28.00	30.00	32.00
		Capacity (Nominal)	Cooling	kW	56.00	67.20	72.80	78.60	84.00	90.40
			Cooling	Btu/h	191,100	229,300	248,400	268,200	286,600	308,500
			Heating	kW	63.00	75.60	81.90	88.20	94.50	101.70
	Heating		Btu/h	215,000	258,000	279,500	301,000	322,400	347,000	
	Power	Power Input (Nominal)	Cooling <sup>1)</sup>	kW	12.50	16.00	17.33	19.65	22.70	19.57
Heating <sup>2)</sup>			kW	12.75	15.43	17.06	18.77	20.14	20.14	
Current Input (Nominal)		Cooling <sup>1)</sup>	A	20.00	25.70	27.80	31.50	36.40	31.40	
		Heating <sup>2)</sup>	A	20.50	24.70	27.40	30.10	29.30	32.30	
MCA				42.00 (MCA)	55.00 (MCA)	60.00 (MCA)	67.00 (MCA)	70.50 (MCA)	64.20 (MCA)	
MFA				75.00	75.00	75.00	75.00	90.00	-	
COP	Nominal Cooling <sup>1)</sup>		-	4.48	4.20	4.20	4.00	3.70	4.62	
	Nominal Heating <sup>2)</sup>		-	4.94	4.90	4.80	4.70	5.16	5.05	
Compressor	Type		-	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2	-	SSC Scroll x 3	
	Output		-	(6.39x2)	(6.76x2)	(7.81x2)	(7.81x2)	-	(6.39) + (6.39x2)	
	Model Name		-	DS-GB066FAVB x 2	DS-GB070FAVA x 2	DS4GJ5080FVA x 2	DS4GJ5080FVA x 2	-	DS-GB066FAVB x 3	
	Oil		Type	PVE	PVE	PVE	PVE	-	PVE	
		Initial Charge	cc	2200	2200	2800	2800	-	3300	
Fan	Type		-	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n		-	620.0 x 2	620.0 x 2	620.0 x 2	620.0 x 2	620.0 x 2	(620.0 x 2) x 2	
	Air Flow Rate		CMM	290	340	340	340	340	255 + 290	
			l/s	4,833.33	5,666.67	5,666.67	5,666.67	5,666.67	4,250.00 + 4,833.33	
Piping Connections	Liquid Pipe			Φ, mm	15.88	15.88	19.05	19.05	19.05	19.05
				Φ, inch	5/8"	5/8"	3/4"	3/4"	3/4"	3/4"
	Gas Pipe			Φ, mm	28.58	34.92	34.92	34.92	34.92	34.92
				Φ, inch	1 1/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"
	Discharge Gas Pipe			Φ, mm	-	-	-	-	-	-
				Φ, inch	-	-	-	-	-	-
	Oil Equalizing Pipe			Φ, mm	-	-	-	-	-	-
				Φ, inch	-	-	-	-	-	-
Installation Limitation	Max. Length		m	200	200	200	200	200	200	
	Max. Height		m	110.0	110.0	110.0	110.0	110.0	110.0	
Field Wiring	Power Source Wire		mm <sup>2</sup>	-	-	-	-	-	-	
	Transmission Cable		mm <sup>2</sup>	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A	
	Factory Charging		kg	8.40	14.00	14.00	14.00	15.50	17.80	
Sound <sup>3)</sup>	Sound Pressure		dB(A)	65.0	69.0	69.0	69.0	69.0	66.0	
	Sound Power		dB(A)	89.0	90.0	90.0	90.0	87.0	90.0	
External Dimension	Net Weight		kg	285.0	342.0	350.0	350.0	360.0	241.0 + 285.0	
	Shipping Weight		kg	305.0	364.0	372.0	372.0	377.0	261.0 + 305.0	
	Net Dimensions (WxHxD)		mm	1,295 x 1,695 x 765	1,295 x 1,795 x 765	1,295 x 1,795 x 765	1,295 x 1,795 x 765	1,295 x 1,795 x 765	(1,295 x 1,695 x 765) x 2	
	Shipping Dimensions (WxHxD)		mm	1,363 x 1,887 x 832	1,363 x 1,987 x 832	1,363 x 1,987 x 832	1,363 x 1,987 x 832	1,363 x 1,987 x 832	(1,363 x 1,887 x 832) x 2	
Operating Temp. Range	Cooling		°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	
	Heating		°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	

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 2) Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.  
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.  
 4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)  
 \* PDM kit : Pressure Drop Modulation kit.  
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# DVMS LINE UP \_Outdoor Unit



## DVM S HP Premium

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

DVM S HP - High efficiency				AM340KXVGGH1EU	AM360KXVGGH1EU	AM380KXVGGH1EU	AM400KXVGGH1EU	AM420KXVGGH1EU	AM440KXVGGH1EU
Model Code	DVM S HP			AM340KXVGGH1EU	AM360KXVGGH1EU	AM380KXVGGH1EU	AM400KXVGGH1EU	AM420KXVGGH1EU	AM440KXVGGH1EU
Power Supply	Φ, #, V, Hz			3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode	-			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP	Cooling		34.00	36.00	40.00	42.00	44.00	44.00
		Heating		95.20	100.80	106.40	112.80	118.40	123.20
	Capacity (Nominal)	Cooling		324,800	343,900	363,100	384,900	404,000	420,400
		Heating		107.10	113.40	119.70	126.90	133.20	138.60
Power	Power Input (Nominal)	Cooling <sup>1)</sup>		365.400	386.900	408.400	433.000	454.500	472.900
		Heating <sup>2)</sup>		19.86	21.36	23.18	24.16	25.98	25.95
	Current Input (Nominal)	Cooling <sup>1)</sup>		19.70	21.04	23.27	24.73	26.96	25.63
		Heating <sup>2)</sup>		31.90	34.20	37.10	38.80	41.70	41.60
	MCA	Cooling <sup>1)</sup>		31.70	33.80	37.40	39.70	43.30	41.20
		Heating <sup>2)</sup>		84.20 (MCA)	78.40 (MCA)	81.20 (MCA)	86.70 (MCA)	89.50 (MCA)	100.90 (MCA)
MFA	Cooling <sup>1)</sup>		-	-	-	-	-	-	
	Heating <sup>2)</sup>		-	-	-	-	-	-	
COP	Nominal Cooling <sup>1)</sup>		4.79	4.72	4.59	4.67	4.56	4.75	
	Nominal Heating <sup>2)</sup>		5.44	5.39	5.14	5.13	4.94	5.41	
Compressor	Type			SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 5
	Output			(6.39x2) + (5.18x2)	(6.39x2)x2	(6.39x2) + (6.39x2)	(6.39) + (6.39x2) + (5.18)	(6.39) + (6.39x2) + (5.18)	(6.39x2)x2 + (5.18)
	Model Name			DS-GB066FAVB x 2 + DS-GB052FAVBSG x 2	DS-GB066FAVB x 4	DS-GB066FAVB x 4	DS-GB066FAVB x 3 + DS-GB052FAVBSG x 1	DS-GB066FAVB x 3 + DS-GB052FAVBSG x 1	DS-GB066FAVB x 4 + DS-GB052FAVBSG x 1
	Oil			PVE	PVE	PVE	PVE	PVE	PVE
Fan	Type			Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n			620.0 x 2 + (830.0 x 1) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2 + 830.0 x 1	(620.0 x 2) x 2 + 830.0 x 1	(620.0 x 2) x 2 + 830.0 x 1	(620.0 x 2) x 2 + 830.0 x 1
Piping Connections	Air Flow Rate			290 + 170 x 2	290 x 2	290 x 2	255 + 290 + 170	255 + 290 + 170	290 x 2 + 170
	External Static Pressure			4,833.33 + 2,833.33 x 2	4,833.33 x 2	4,833.33 x 2	4,250.00 + 4,833.33 + 2,833.33	4,250.00 + 4,833.33 + 2,833.33	4,833.33 x 2 + 2,833.33
	Liquid Pipe			8.00	8.00	8.00	8.00	8.00	8.00
	Gas Pipe			78.45	78.45	78.45	78.45	78.45	78.45
Field Wiring	Discharge Gas Pipe			19.05	19.05	19.05	19.05	19.05	19.05
	Oil Equalizing Pipe			3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
	Installation Limitation			41.28	41.28	41.28	41.28	41.28	41.28
	Max. Length			1.3/8"	1.5/8"	1.5/8"	1.5/8"	1.5/8"	1.5/8"
	Max. Height			-	-	-	-	-	-
	Power Source Wire			-	-	-	-	-	-
Refrigerant	Transmission Cable			200	200	200	200	200	
	Type			110.0	110.0	110.0	110.0	110.0	
Sound <sup>3)</sup>	Type			0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	
	Factory Charging			R410A	R410A	R410A	R410A	R410A	R410A
External Dimension	Sound Pressure			21.40	16.80	16.80	24.30	24.30	23.30
	Sound Power			66.0	68.0	68.0	67.0	67.0	68.0
Operating Temp. Range	Net Weight			90.0	92.0	92.0	90.0	90.0	92.0
	Shipping Weight			285.0 + 201.0 x 2	285.0 x 2	285.0 x 2	241.0 + 285.0 + 201.0	241.0 + 285.0 + 201.0	285.0 x 2 + 201.0
	Net Dimensions (WxHxD)			305.0 + 217.0 x 2	305.0 x 2	305.0 x 2	261.0 + 305.0 + 217.0	261.0 + 305.0 + 217.0	305.0 x 2 + 217.0
	Shipping Dimensions (WxHxD)			1,295 x 1,695 x 765 + (880 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2 + 880 x 1,695 x 765	(1,295 x 1,695 x 765) x 2 + 880 x 1,695 x 765	(1,295 x 1,695 x 765) x 2 + 880 x 1,695 x 765
Operating Temp. Range	Cooling			1,363 x 1,887 x 832 + (948 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2 + 948 x 1,887 x 832	(1,363 x 1,887 x 832) x 2 + 948 x 1,887 x 832	(1,363 x 1,887 x 832) x 2 + 948 x 1,887 x 832
	Heating			-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
				-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

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# DVMS LINE UP \_Outdoor Unit



## DVMS HP Premium

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

DVMS HP - High efficiency				Model Code	DVMS HP	AM460KXVGGH1EU	AM480KXVGGH1EU	AM500KXVGGH1EU	AM520KXVGGH1EU	AM540KXVGGH1EU	AM560KXVGGH1EU	
Power Supply		Φ, #, V, Hz		3,4,380-415,50		3,4,380-415,50		3,4,380-415,50		3,4,380-415,50		
Mode		-		HEAT PUMP		HEAT PUMP		HEAT PUMP		HEAT PUMP		
Performance	HP	HP		46.00		48.00		50.00		54.00		
		kW		128.80		134.40		140.80		151.20		
	Capacity (Nominal)	Cooling	Btu/h	439,500		458,600		480,400		515,900		
		Heating	kW	144.90		151.20		158.40		170.10		
		Btu/h		494,400		515,900		540,500		580,400		
Power	Power Input (Nominal)	Cooling <sup>1)</sup>	kW	27.77		29.59		30.25		34.42		
		Heating <sup>2)</sup>	kW	27.86		30.09		30.66		34.40		
	Current Input (Nominal)	Cooling <sup>1)</sup>	A	44.50		47.40		48.50		55.20		
		Heating <sup>2)</sup>	A	44.80		48.40		49.20		55.30		
	MCA		103.70 (MCA)		106.50 (MCA)		103.40 (MCA)		121.70 (MCA)		124.50 (MCA)	
	MFA		-		-		-		-		-	
COP	Nominal Cooling <sup>1)</sup>		-	4.64		4.54		4.65		4.47		
	Nominal Heating <sup>2)</sup>		-	5.20		5.02		5.17		4.94		
Type		-		SSC Scroll x 5		SSC Scroll x 5		SSC Scroll x 5		SSC Scroll x 5		
Output		kW x n		(6.39x2) + (6.39x2) + (5.18)		(6.39x2)x2 + (5.18)		(6.39) + (6.39x2)x2		(6.39x2) + (7.81x2) + (5.18)		
Model Name		-		DS-GB066FAVB x 4 + DS-GB052FAVBSG x 1		DS-GB066FAVB x 4 + DS-GB052FAVBSG x 1		DS-GB066FAVB x 5		DS-GB066FAVB x 2 + DS4GJ5080FVA x 2 + DS-GB052FAVBSG x 1		
Oil		Type		PVE		PVE		PVE		PVE		
Initial Charge		cc		5500		5500		6100		6100		
Type		-		Propeller		Propeller		Propeller		Propeller		
Output x n		W		(620.0 x 2) x 2 + 830.0 x 1		(620.0 x 2) x 2 + 830.0 x 1		(620.0 x 2) x 3		(620.0 x 2) x 2 + 830.0 x 1		
Air Flow Rate		CMM		290 x 2 + 170		290 x 2 + 170		255 + 290 x 2		290 + 340 + 170		
External Static Pressure		Max.		4,833.33 x 2 + 2,833.33		4,833.33 x 2 + 2,833.33		4,250.00 + 4,833.33 x 2		4,833.33 + 5,666.67 + 2,833.33		
		mmAq		8.00		8.00		8.00		8.00		
		Pa		78.45		78.45		78.45		78.45		
Liquid Pipe		Φ, mm		19.05		19.05		19.05		19.05		
		Φ, inch		3/4"		3/4"		3/4"		3/4"		
Gas Pipe		Φ, mm		41.28		41.28		41.28		41.28		
		Φ, inch		1 5/8"		1 5/8"		1 5/8"		1 5/8"		
Discharge Gas Pipe		Φ, mm		-		-		-		-		
		Φ, inch		-		-		-		-		
Oil Equalizing Pipe		Φ, mm		-		-		-		-		
		Φ, inch		-		-		-		-		
Installation Limitation		Max. Length		200		200		200		200		
		Max. Height		110.0		110.0		110.0		110.0		
Power Source Wire		mm <sup>2</sup>		-		-		-		-		
Transmission Cable		mm <sup>2</sup>		0.75 ~ 1.5		0.75 ~ 1.5		0.75 ~ 1.5		0.75 ~ 1.5		
Type		-		R410A		R410A		R410A		R410A		
Factory Charging		kg		23.30		23.30		26.20		28.90		
Sound Pressure		dB(A)		68.0		68.0		69.0		71.0		
Sound Power		dB(A)		92.0		92.0		92.0		93.0		
Net Weight		kg		285.0 x 2 + 201.0		285.0 x 2 + 201.0		241.0 + 285.0 x 2		285.0 + 350.0 + 201.0		
Shipping Weight		kg		305.0 x 2 + 217.0		305.0 x 2 + 217.0		261.0 + 305.0 x 2		305.0 + 372.0 + 217.0		
Net Dimensions (WxHxD)		mm		(1,295 x 1,695 x 765) x 2 + 880 x 1,695 x 765		(1,295 x 1,695 x 765) x 2 + 880 x 1,695 x 765		(1,295 x 1,695 x 765) x 3		1,295 x 1,695 x 765 + 1,295 x 1,795 x 765 + 880 x 1,695 x 765		
Shipping Dimensions (WxHxD)		mm		(1,363 x 1,887 x 832) x 2 + 948 x 1,887 x 832		(1,363 x 1,887 x 832) x 2 + 948 x 1,887 x 832		(1,363 x 1,887 x 832) x 3		1,363 x 1,887 x 832 + 1,363 x 1,987 x 832 + 948 x 1,887 x 832		
Cooling		°C		-5.0 ~ 48.0		-5.0 ~ 48.0		-5.0 ~ 48.0		-5.0 ~ 48.0		
Heating		°C		-25.0 ~ 24.0		-25.0 ~ 24.0		-25.0 ~ 24.0		-25.0 ~ 24.0		

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## DVMS HP Premium

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

DVMS HP - High efficiency				Model Code	DVMS HP	AM580KXVGGH1EU	AM600KXVGGH1EU	AM620KXVGGH1EU	AM640KXVGGH1EU	AM660KXVGGH1EU	AM680KXVGGH1EU
Power Supply				Φ, #, V, Hz		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode					-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP					58.00	60.00	64.00	64.00	66.00	68.00
		Capacity (Nominal)	Cooling	kW		162.40	168.00	173.60	179.20	184.80	191.20
	Heating		Btu/h		554,100	573,200	592,300	611,500	630,600	652,400	
						182.70	189.00	195.30	201.60	207.90	215.10
						623,400	644,900	666,400	687,900	709,400	734,000
Power	Power Input (Nominal)	Cooling <sup>1)</sup>	kW			37.92	37.36	36.63	38.45	39.61	40.93
		Heating <sup>2)</sup>				37.08	36.47	36.15	38.38	39.12	41.18
	Current Input (Nominal)	Cooling <sup>1)</sup>	A			60.90	59.90	58.70	61.60	63.40	65.60
		Heating <sup>2)</sup>				59.50	58.50	58.10	61.70	62.80	66.10
	MCA					137.50 (MCA)	133.40 (MCA)	140.10 (MCA)	142.90 (MCA)	148.90 (MCA)	142.60 (MCA)
	MFA					-	-	-	-	-	-
COP											
	Nominal Cooling <sup>1)</sup>					4.28	4.50	4.74	4.66	4.67	4.67
						4.93	5.18	5.40	5.25	5.31	5.22
Compressor	Type					SSC Scroll x 5	SSC Scroll x 6	SSC Scroll x 7	SSC Scroll x 7	SSC Scroll x 7	SSC Scroll x 7
	Output					(6.76x2) + (7.81x2) + (5.18)	(6.39x2)x2 + (6.76x2)	(6.39x2)x3 + (5.18)	(6.39x2)x2 + (6.39x2) + (5.18)	(6.39x2)x3 + (6.39)	(6.39) + (6.39x2)x3
	Model Name					DS-GB070FAVA x 2 + DS4GJ5080FVA x 2 + DS-GB052FAVBGS x 1	DS-GB066FAVB x 4 + DS-GB070FAVA x 2	DS-GB066FAVB x 6 + DS-GB052FAVBGS x 1	DS-GB066FAVB x 6 + DS-GB052FAVBGS x 1	DS-GB066FAVB x 6 + DS-GB066FAVBGS x 1	DS-GB066FAVB x 7
Oil	Type					PVE	PVE	PVE	PVE	PVE	PVE
	Initial Charge					6100	6600	7700	7700	7700	7700
Fan	Type					Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
	Output x n					(620.0 x 2) x 2 + 830.0 x 1	(620.0 x 2) x 3	(620.0 x 2) x 3 + 830.0 x 1	(620.0 x 2) x 3 + 830.0 x 1	(620.0 x 2) x 3 + 830.0 x 1	(620.0 x 2) x 4
	Air Flow Rate					340 x 2 + 170	290 x 2 + 340	290 x 3 + 170	290 x 3 + 170	290 x 3 + 220	255 + 290 x 3
	External Static Pressure		Max.			5,666.67 x 2 + 2,833.33	4,833.33 x 2 + 5,666.67	4,833.33 x 3 + 2,833.33	4,833.33 x 3 + 2,833.33	4,833.33 x 3 + 3,666.67	4,250.00 + 4,833.33 x 3
							8.00	8.00	8.00	8.00	8.00
Piping Connections	Liquid Pipe					Φ, mm	19.05	22.22	22.22	22.22	22.22
						Φ, inch	3/4"	3/4"	7/8"	7/8"	7/8"
	Gas Pipe						41.28	41.28	53.98	53.98	53.98
							Φ, inch	1 5/8"	2 1/8"	2 1/8"	2 1/8"
	Discharge Gas Pipe						Φ, mm	-	-	-	-
							Φ, inch	-	-	-	-
	Oil Equalizing Pipe						Φ, mm	-	-	-	-
							Φ, inch	-	-	-	-
	Installation Limitation		Max. Length	m			200	200	200	200	200
			Max. Height	m			110.0	110.0	110.0	110.0	110.0
Field Wiring	Power Source Wire					mm <sup>2</sup>	-	-	-	-	-
	Transmission Cable						0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type						R410A	R410A	R410A	R410A	R410A
	Factory Charging						34.50	30.80	31.70	31.70	34.60
Sound <sup>3)</sup>	Sound Pressure						72.0	72.0	70.0	70.0	70.0
	Sound Power						93.0	94.0	94.0	94.0	94.0
External Dimension	Net Weight						342.0 + 350.0 + 201.0	285.0 x 2 + 342.0	285.0 x 3 + 201.0	285.0 x 3 + 201.0	241.0 + 285.0 x 3
	Shipping Weight						364.0 + 372.0 + 217.0	305.0 x 2 + 364.0	305.0 x 3 + 217.0	305.0 x 3 + 217.0	261.0 + 305.0 x 3
	Net Dimensions (WxHxD)						(1,295 x 1,795 x 765) x 2 + 880 x 1,695 x 765	(1,295 x 1,695 x 765) x 2 + 1,295 x 1,795 x 765	(1,295 x 1,695 x 765) x 3 + 880 x 1,695 x 765	(1,295 x 1,695 x 765) x 3 + 880 x 1,695 x 765	(1,295 x 1,695 x 765) x 4
	Shipping Dimensions (WxHxD)						(1,363 x 1,987 x 832) x 2 + 948 x 1,887 x 832	(1,363 x 1,887 x 832) x 2 + 1,363 x 1,987 x 832	(1,363 x 1,887 x 832) x 3 + 948 x 1,887 x 832	(1,363 x 1,887 x 832) x 3 + 948 x 1,887 x 832	(1,363 x 1,887 x 832) x 4
Operating Temp. Range	Cooling						-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating						-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

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 \* If you wish to install an outdoor unit module with a capacity of over 66 HP, then please contact your local Samsung Dealer.  
 1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.  
 2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.  
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.  
 4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)  
 \* PDM kit: Pressure Drop Modulation Kit.  
 5) MCA: Minimum Circuit Amps., MFA: Maximum Fuse Amps.  
 \* These products contain R410A which is fluorinated greenhouse gas.

# DVMS LINE UP \_Outdoor Unit



## DVMS HP Premium

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

DVM S HP - High efficiency				DVM S HP	AM700KXVGGH1EU	AM720KXVGGH1EU	AM740KXVGGH1EU	AM760KXVGGH1EU	AM780KXVGGH1EU	AM800KXVGGH1EU
Power Supply			Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP	Cooling	HP	70.00	72.00	74.00	76.00	78.00	80.00	82.00
			kW	196.00	201.60	207.20	212.80	218.40	224.00	
	Capacity (Nominal)	Heating	Btu/h	668,800	687,900	707,000	726,100	745,200	764,300	783,400
			kW	220.50	226.80	233.10	239.40	245.70	252.00	
Power	Power Input (Nominal)	Cooling <sup>1)</sup>	Btu/h	752,400	773,900	795,400	816,900	838,400	859,900	881,400
			kW	43.28	42.72	44.54	46.36	48.18	49.37	
	Current Input (Nominal)	Cooling <sup>1)</sup>	kW	42.69	42.08	44.31	46.54	48.77	48.62	
			A	69.40	68.40	71.30	74.20	77.10	79.10	
	MCA	Heating <sup>2)</sup>	kW	68.60	67.60	71.20	74.80	78.40	78.10	
			A	160.90 (MCA)	156.80 (MCA)	159.60 (MCA)	162.40 (MCA)	165.20 (MCA)	177.60 (MCA)	
MFA			A	-	-	-	-	-	-	
COP	Nominal Cooling <sup>1)</sup>		-	4.53	4.72	4.65	4.59	4.53	4.54	
	Nominal Heating <sup>2)</sup>		-	5.17	5.39	5.26	5.14	5.04	5.18	
Compressor	Type		-	SSC Scroll x 7	SSC Scroll x 8	SSC Scroll x 8	SSC Scroll x 8	SSC Scroll x 8	SSC Scroll x 8	
	Output		-	(6.39x2)x2 + (7.81x2) + (5.18)	(6.39x2)x4	(6.39x2)x3 + (6.39x2)	(6.39x2)x2 + (6.39x2)x2	(6.39x2)x3 + (6.39x2)x3	(6.39x2)x3 + (7.81x2)	
	Model Name		-	DS-GB066FAVB x 4 + DS4GJ5080FVA x 2 + DS-GB052FAVBSG x 1	DS-GB066FAVB x 8	DS-GB066FAVB x 8	DS-GB066FAVB x 8	DS-GB066FAVB x 8	DS-GB066FAVB x 6 + DS4GJ5080FVA x 2	
	Oil		Type	-	PVE	PVE	PVE	PVE	PVE	
Fan	Initial Charge		-	8300	8800	8800	8800	8800	9400	
	Type		-	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n		-	(620.0 x 2) x 3 + 830.0 x 1	(620.0 x 2) x 4	(620.0 x 2) x 4	(620.0 x 2) x 4	(620.0 x 2) x 4	(620.0 x 2) x 4	
	Air Flow Rate		CMM	290 x 2 + 340 + 170	290 x 4	290 x 4	290 x 4	290 x 4	290 x 3 + 340	
Piping Connections	External Static Pressure		Max.	4,833.33 x 2 + 5,666.67 + 2,833.33	4,833.33 x 4	4,833.33 x 4	4,833.33 x 4	4,833.33 x 4	4,833.33 x 3 + 5,666.67	
			Pa	8.00	8.00	8.00	8.00	8.00	8.00	
	Liquid Pipe		Φ, mm	22.22	22.22	22.22	22.22	22.22	22.22	
	Gas Pipe		Φ, mm	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	
Field Wiring	Discharge Gas Pipe		Φ, mm	53.98	53.98	53.98	53.98	53.98	53.98	
			Φ, inch	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	
	Oil Equalizing Pipe		Φ, mm	-	-	-	-	-	-	
			Φ, inch	-	-	-	-	-	-	
	Installation Limitation		Max. Length	m	200	200	200	200	200	
			Max. Height	m	110.0	110.0	110.0	110.0	110.0	
Refrigerant	Power Source Wire		mm <sup>2</sup>	-	-	-	-	-	-	
	Transmission Cable		mm <sup>2</sup>	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	
Sound <sup>3)</sup>	Type		-	R410A	R410A	R410A	R410A	R410A	R410A	
	Factory Charging		kg	37.30	33.60	33.60	33.60	33.60	39.20	
External Dimension	Sound Pressure		dB(A)	72.0	71.0	71.0	71.0	71.0	72.0	
	Sound Power		dB(A)	94.0	95.0	95.0	95.0	95.0	95.0	
Operating Temp. Range	Net Weight		kg	285.0 x 2 + 350.0 + 201.0	285.0 x 4	285.0 x 4	285.0 x 4	285.0 x 4	285.0 x 3 + 350.0	
	Shipping Weight		kg	305.0 x 2 + 372.0 + 217.0	305.0 x 4	305.0 x 4	305.0 x 4	305.0 x 4	305.0 x 3 + 372.0	
	Net Dimensions (WxHxD)		mm	(1,295 x 1,695 x 765) x 2 + 1,295 x 1,795 x 765 + 880 x 1,695 x 765	(1,295 x 1,695 x 765) x 4	(1,295 x 1,695 x 765) x 4	(1,295 x 1,695 x 765) x 4	(1,295 x 1,695 x 765) x 4	(1,295 x 1,695 x 765) x 3 + 1,295 x 1,795 x 765	
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,887 x 832) x 2 + 1,363 x 1,987 x 832 + 948 x 1,887 x 832	(1,363 x 1,887 x 832) x 4	(1,363 x 1,887 x 832) x 4	(1,363 x 1,887 x 832) x 4	(1,363 x 1,887 x 832) x 4	(1,363 x 1,887 x 832) x 3 + 1,363 x 1,987 x 832	
Operating Temp. Range	Cooling		°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	
	Heating		°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	

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 \* If you wish to install an outdoor unit module with a capacity of over 66 HP, then please contact your local Samsung Dealer.  
 1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.  
 2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.  
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.  
 4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)  
 \* PDM kit: Pressure Drop Modulation Kit.  
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# DVMS LINE UP \_Outdoor Unit



## DVM S HP Premium

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

### DVM S HP - High efficiency

Model Code		DVM S HP	AM820KXVGGH1EU	AM840KXVGGH1EU	AM860KXVGGH1EU	AM880KXVGGH1EU	AM900KXVGGH1EU	
Power Supply		Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	
Mode		-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	Capacity (Nominal)	HP	82.00	84.00	86.00	88.00	90.00	
		Cooling	kW	229.60	235.20	240.80	246.40	252.00
	Capacity (Nominal)	Heating	Btu/h	783,400	802,500	821,600	840,800	859,900
		Heating	kW	258.30	264.60	270.90	277.20	283.50
Power	Power Input (Nominal)	Cooling <sup>1)</sup>	kW	51.19	53.01	56.26	56.51	57.84
		Heating <sup>2)</sup>	kW	50.85	53.08	56.19	55.76	57.39
	Current Input (Nominal)	Cooling <sup>1)</sup>	A	82.00	84.90	90.20	90.60	92.70
		Heating <sup>2)</sup>	A	81.70	85.30	90.20	89.50	92.20
	MCA	A	180.40 (MCA)	183.20 (MCA)	185.80 (MCA)	196.20 (MCA)	201.20 (MCA)	
	MFA	A	-	-	-	-	-	
COP	Nominal Cooling <sup>1)</sup>	-	4.49	4.44	4.28	4.36	4.36	
	Nominal Heating <sup>2)</sup>	-	5.08	4.98	4.82	4.97	4.94	
Compressor	Type	-	SSC Scroll x 8	SSC Scroll x 8	SSC Scroll x 8	SSC Scroll x 8	SSC Scroll x 8	
	Output	kW x n	(6.39x2)x2 + (6.39x2) + (7.81x2)	(6.39x2) + (6.39x2)x2 + (7.81x2)	(6.39x2) + (6.39x2) + (6.39x2) + (7.81x2)	(6.39x2) + (6.39x2) + (6.76x2) + (7.81x2)	(6.39x2) + (6.39x2) + (7.81x2)x2	
	Model Name	-	DS-GB066FAVB x 6 + DS4GJ5080FVA x 2	DS-GB066FAVB x 6 + DS4GJ5080FVA x 2	DS-GB066FAVB x 6 + DS4GJ5080FVA x 2	DS-GB066FAVB x 4 + DS-GB070FAVA x 2 + DS4GJ5080FVA x 2	DS-GB066FAVB x 4 + DS4GJ5080FVA x 4	
	Oil	Type	-	PVE	PVE	PVE	PVE	
Fan	Output x n	Type	-	Propeller	Propeller	Propeller	Propeller	
		W	(620.0 x 2) x 4	(620.0 x 2) x 4	(620.0 x 2) x 4	(620.0 x 2) x 4	(620.0 x 2) x 4	
	Air Flow Rate	CMM	290 x 3 + 340	290 x 3 + 340	290 x 3 + 340	290 x 2 + 340 x 2	290 x 2 + 340 x 2	
		l/s	4,833.33 x 3 + 5,666.67	4,833.33 x 3 + 5,666.67	4,833.33 x 3 + 5,666.67	4,833.33 x 2 + 5,666.67 x 2	4,833.33 x 2 + 5,666.67 x 2	
External Static Pressure	Max.	mmAq	8.00	8.00	8.00	8.00	8.00	
	Pa	78.45	78.45	78.45	78.45	78.45		
Piping Connections	Liquid Pipe	Φ, mm	22.22	22.22	22.22	22.22	22.22	
		Φ, inch	7/8"	7/8"	7/8"	7/8"	7/8"	
	Gas Pipe	Φ, mm	53.98	53.98	53.98	53.98	53.98	
		Φ, inch	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	
	Discharge Gas Pipe	Φ, mm	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	
	Oil Equalizing Pipe	Φ, mm	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	
Installation Limitation	Max. Length	m	200	200	200	200		
	Max. Height	m	110.0	110.0	110.0	110.0		
Field Wiring	Power Source Wire	mm <sup>2</sup>	-	-	-	-		
	Transmission Cable	mm <sup>2</sup>	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5		
Refrigerant	Type	-	R410A	R410A	R410A	R410A		
	Factory Charging	kg	39.20	39.20	39.20	44.80		
Sound <sup>3)</sup>	Sound Pressure	dB(A)	72.0	72.0	72.0	73.0		
	Sound Power	dB(A)	95.0	95.0	95.0	96.0		
External Dimension	Net Weight	kg	285.0 x 3 + 350.0	285.0 x 3 + 350.0	285.0 x 3 + 350.0	285.0 x 2 + 342.0 + 350.0		
	Shipping Weight	kg	305.0 x 3 + 372.0	305.0 x 3 + 372.0	305.0 x 3 + 372.0	305.0 x 2 + 364.0 + 372.0		
	Net Dimensions (WxHxD)	mm	(1,295 x 1,695 x 765) x 3 + 1,295 x 1,795 x 765	(1,295 x 1,695 x 765) x 3 + 1,295 x 1,795 x 765	(1,295 x 1,695 x 765) x 3 + 1,295 x 1,795 x 765	(1,295 x 1,695 x 765) x 2 + (1,295 x 1,795 x 765) x 2		
Shipping Dimensions (WxHxD)	mm	(1,363 x 1,887 x 832) x 3 + 1,363 x 1,987 x 832	(1,363 x 1,887 x 832) x 3 + 1,363 x 1,987 x 832	(1,363 x 1,887 x 832) x 3 + 1,363 x 1,987 x 832	(1,363 x 1,887 x 832) x 2 + (1,363 x 1,987 x 832) x 2			
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0		
	Heating	°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0		

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\* If you wish to install an outdoor unit module with a capacity of over 66 HP, then please contact your local Samsung Dealer.

1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.

2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.

3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)

\* PDM kit: Pressure Drop Modulation kit.

5) MCA: Minimum Circuit Amps, MFA: Maximum Fuse Amps.

\* These products contain R410A which is fluorinated greenhouse gas.

# DVMS LINE UP \_Outdoor Unit



## DVM S HP Premium

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

### DVM S HP - Compact

Model Code		DVM S HP	AM080JXVHGH	AM100JXVHGH	AM120JXVHGH	AM140KXVGGH	AM160KXVGGH	AM180KXVGGH	
Power Supply		Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	
Mode		-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP	HP	8.00	10.00	12.00	14.00	16.00	18.00	
		kW	22.40	28.00	33.60	40.00	45.00	50.40	
	Capacity (Nominal)	Cooling	Btu/h	76,400	95,500	114,600	136,500	153,500	172,000
		Heating	Btu/h	25,200	31,500	37,800	45,000	50,400	56,700
Power	Power Input (Nominal)	Cooling <sup>1)</sup>	kW	4.59	6.22	7.57	8.89	10.92	10.68
		Heating <sup>2)</sup>	kW	4.59	5.89	7.56	9.62	10.75	10.52
	Current Input (Nominal)	Cooling <sup>1)</sup>	A	7.40	10.00	12.10	14.30	17.50	17.10
		Heating <sup>2)</sup>	A	7.40	9.40	12.10	15.40	17.20	16.90
	MCA	A	22.50 (MCA)	29.90 (MCA)	31.30 (MCA)	25.00 (MCA)	32.00 (MCA)	39.20 (MCA)	
	MFA	A	30.00	40.00	40.00	40.00	40.00	50.00	
COP	Nominal Cooling <sup>1)</sup>	-	4.88	4.50	4.44	4.50	4.12	4.72	
	Nominal Heating <sup>2)</sup>	-	5.49	5.35	5.00	4.68	4.69	5.39	
Compressor	Type	-	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 2	
	Output	kW x n	(5.18)	(6.39)	(6.39)	(6.39)	(7.81)	(6.39x2)	
	Model Name	-	DS-GB052FAVBSG x 1	DS-GB066FAVBSG x 1	DS-GB066FAVBSG x 1	DS-GB066FAVB x 1	DS4GJ5080FVA x 1	DS-GB066FAVB x 2	
Oil	Type	-	PVE	PVE	PVE	PVE	PVE	PVE	
	Initial Charge	cc	1100	1100	1100	1100	1400	2200	
Fan	Type	-	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n	W	830.0 x 1	830.0 x 1	830.0 x 1	620.0 x 2	620.0 x 2	620.0 x 2	
	Air Flow Rate	CMM	170	170	220	255	255	290	
	External Static Pressure	Max. mmAq	2,833.33	2,833.33	3,666.67	4,250.00	4,250.00	4,833.33	
Piping Connections	Liquid Pipe	Φ, mm	9.52	9.52	12.70	12.70	12.70	15.88	
		Φ, inch	3/8"	3/8"	1/2"	1/2"	1/2"	5/8"	
	Gas Pipe	Φ, mm	19.05	22.22	28.58	28.58	28.58	28.58	
		Φ, inch	3/4"	7/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	
	Discharge Gas Pipe	Φ, mm	-	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	-	
	Oil Equalizing Pipe	Φ, mm	-	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	-	
	Installation Limitation	Max. Length	m	200	200	200	200	200	
		Max. Height	m	110.0	110.0	110.0	110.0	110.0	
Field Wiring	Power Source Wire	mm <sup>2</sup>	-	-	-	-	-		
	Transmission Cable	mm <sup>2</sup>	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5		
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A		
	Factory Charging	kg	6.50	6.50	6.50	9.40	8.40	8.40	
Sound <sup>3)</sup>	Sound Pressure	dB(A)	57.0	58.0	62.0	61.0	63.0	65.0	
	Sound Power	dB(A)	77.0	79.0	81.0	81.0	83.0	89.0	
External Dimension	Net Weight	kg	201.0	201.0	201.0	241.0	255.0	285.0	
	Shipping Weight	kg	217.0	217.0	217.0	261.0	275.0	305.0	
	Net Dimensions (WxHxD)	mm	880 x 1,695 x 765	880 x 1,695 x 765	880 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	
	Heating	°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	

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2) Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)

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## DVMS HP Premium

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

DVM S HP - Compact				DVM S HP	AM200KXVGGH	AM240KXVGGH	AM260KXVGGH	AM280KXVGGH	AM300KXVAGH	AM320KXVGGH2EU
Power Supply				Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode				-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP			HP	20.00	24.00	26.00	28.00	30.00	32.00
				kW	56.00	67.20	72.80	78.60	84.00	89.60
	Capacity (Nominal)	Cooling	Btu/h	191,100	229,300	248,400	268,200	286,600	305,700	324,400
		Heating	Btu/h	63.00	75.60	81.90	88.20	94.50	100.80	107.10
Power	Power Input (Nominal)	Cooling <sup>1)</sup>	kW	12.50	16.00	17.33	19.65	22.70	27.30	32.60
		Heating <sup>2)</sup>	kW	12.75	15.43	17.06	18.77	20.31	21.85	
	Current Input (Nominal)	Cooling <sup>1)</sup>	A	20.00	25.70	27.80	31.50	36.40	41.30	46.20
		Heating <sup>2)</sup>	A	20.50	24.70	27.40	30.10	32.60	35.10	
	MCA	A	42.00 (MCA)	55.00 (MCA)	60.00 (MCA)	67.00 (MCA)	70.50 (MCA)	77.00 (MCA)	80.50 (MCA)	
	MFA	A	75.00	75.00	75.00	75.00	75.00	75.00	75.00	
COP	Nominal Cooling <sup>1)</sup>		-	4.48	4.20	4.20	4.00	3.70	3.46	
	Nominal Heating <sup>2)</sup>		-	4.94	4.90	4.80	4.70	5.16	5.16	
Compressor	Type		-	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 3	
	Output		-	(6.39x2)	(6.76x2)	(7.81x2)	(7.81x2)	-	(6.39x2) + (6.39)	
	Model Name		-	DS-GB066FAVB x 2	DS-GB070FAVA x 2	DS4GJ5080FVA x 2	DS4GJ5080FVA x 2	-	DS-GB066FAVB x 2 + DS-GB066FAVBSG x 1	
Oil	Type	-	PVE	PVE	PVE	PVE	PVE	PVE	PVE	
	Initial Charge	cc	2200	2200	2800	2800	2800	3300		
Fan	Type		-	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n		W	620.0 x 2	620.0 x 2	620.0 x 2	620.0 x 2	620.0 x 2	620.0 x 2 + 830.0 x 1	
	Air Flow Rate		CMM	290	340	340	340	340	290 + 220	
	External Static Pressure		Max. mmAq	4,833.33	5,666.67	5,666.67	5,666.67	5,666.67	4,833.33 + 3,666.67	
Piping Connections	Liquid Pipe	Φ, mm	15.88	15.88	19.05	19.05	19.05	19.05		
		Φ, inch	5/8"	5/8"	3/4"	3/4"	3/4"	3/4"		
	Gas Pipe	Φ, mm	28.58	34.92	34.92	34.92	34.92	34.92		
		Φ, inch	1 1/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"		
	Discharge Gas Pipe	Φ, mm	-	-	-	-	-	-		
		Φ, inch	-	-	-	-	-	-		
	Oil Equalizing Pipe	Φ, mm	-	-	-	-	-	-		
		Φ, inch	-	-	-	-	-	-		
	Installation Limitation	Max. Length	m	200	200	200	200	200		
		Max. Height	m	110.0	110.0	110.0	110.0	110.0		
Field Wiring	Power Source Wire		mm <sup>2</sup>	-	-	-	-	-		
	Transmission Cable		mm <sup>2</sup>	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5		
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A		
	Factory Charging		kg	8.40	14.00	14.00	14.00	15.50		
Sound <sup>3)</sup>	Sound Pressure		dB(A)	65.0	69.0	69.0	69.0	67.0		
	Sound Power		dB(A)	89.0	90.0	90.0	90.0	87.0		
External Dimension	Net Weight		kg	285.0	342.0	350.0	350.0	360.0		
	Shipping Weight		kg	305.0	364.0	372.0	372.0	377.0		
	Net Dimensions (WxHxD)		mm	1,295 x 1,695 x 765	1,295 x 1,795 x 765	1,295 x 1,795 x 765	1,295 x 1,795 x 765	1,295 x 1,795 x 765		
Shipping Dimensions (WxHxD)		mm	1,363 x 1,887 x 832	1,363 x 1,987 x 832	1,363 x 1,987 x 832	1,363 x 1,987 x 832	1,363 x 1,987 x 832			
Operating Temp. Range	Cooling		°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0		
	Heating		°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0		

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 1) Nominal cooling capacities are based on: Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.  
 2) Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.  
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.  
 4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)  
 \* PDM kit : Pressure Drop Modulation kit.  
 5) MCA : Minimum Circuit Amps., MFA : Maximum Fuse Amps.  
 \* These products contain R410A which is fluorinated greenhouse gas.

# DVMS LINE UP Outdoor Unit



## DVM S HP Premium

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

### DVM S HP - Compact

Model Code		DVM S HP	AM340KXVGGH2EU	AM360KXVGGH2EU	AM380KXVGGH2EU	AM400KXVGGH2EU	AM420KXVGGH2EU	AM440KXVGGH2EU
Power Supply		Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode		-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP	HP	34.00	36.00	40.00	42.00	44.00	44.00
		Capacity (Nominal)						
	Cooling	kW	95.20	101.60	106.60	112.00	117.60	124.00
		Btu/h	324,800	346,700	363,700	382,200	401,300	423,100
Heating	kW	107.10	114.30	119.70	126.00	132.30	139.50	
	Btu/h	365,400	390,000	408,400	429,900	451,400	476,000	
Power	Power Input (Nominal)	Cooling <sup>1)</sup>	23.32	24.64	26.67	26.43	28.25	31.59
		Heating <sup>2)</sup>	23.42	25.48	26.61	26.38	28.61	30.21
	Current Input (Nominal)	Cooling <sup>1)</sup>	37.40	39.60	42.80	42.40	45.30	50.70
		Heating <sup>2)</sup>	37.50	40.80	42.60	42.30	45.90	48.40
	MCA		75.90 (MCA)	69.60 (MCA)	76.60 (MCA)	83.80 (MCA)	86.60 (MCA)	98.00 (MCA)
	MFA		-	-	-	-	-	-
COP	Nominal Cooling <sup>1)</sup>	-	4.08	4.12	4.00	4.24	4.16	3.93
	Nominal Heating <sup>2)</sup>	-	4.57	4.49	4.50	4.78	4.62	4.62
Compressor	Type	-	SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 3
	Output	-	(6.39x2) + (6.39)	(6.39) + (6.39x2)	(7.81) + (6.39x2)	(6.39x2) + (6.39x2)	(6.39x2) + (6.39x2)	(6.39) + (7.81x2)
	Model Name	-	DS-GB066FAVB x 2 + DS-GB066FAVBSG x 1	DS-GB066FAVB x 3	DS4GJ5080FAV x 1 + DS-GB066FAVB x 2	DS-GB066FAVB x 4	DS-GB066FAVB x 4	DS-GB066FAVB x 1 + DS4GJ5080FAV x 2
	Oil	Type	-	PVE	PVE	PVE	PVE	PVE
Initial Charge	cc	3300	3300	3600	4400	4400	3900	
Fan	Type	-	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
	Output x n	W	620.0 x 2 + 830.0 x 1	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2
	Air Flow Rate	CMM	290 + 220	255 + 290	255 + 290	290 x 2	290 x 2	255 + 340
	External Static Pressure	Max. l/s	4,833.33 + 3,666.67	4,250.00 + 4,833.33	4,250.00 + 4,833.33	4,833.33 x 2	4,833.33 x 2	4,250.00 + 5,666.67
Piping Connections	Liquid Pipe	Φ, mm	19.05	19.05	19.05	19.05	19.05	19.05
		Φ, inch	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
	Gas Pipe	Φ, mm	34.92	41.28	41.28	41.28	41.28	41.28
		Φ, inch	1 3/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"
	Discharge Gas Pipe	Φ, mm	-	-	-	-	-	-
		Φ, inch	-	-	-	-	-	-
	Oil Equalizing Pipe	Φ, mm	-	-	-	-	-	-
		Φ, inch	-	-	-	-	-	-
Installation Limitation	Max. Length	m	200	200	200	200	200	
	Max. Height	m	110.0	110.0	110.0	110.0	110.0	
Field Wiring	Power Source Wire	mm <sup>2</sup>	-	-	-	-	-	
	Transmission Cable	mm <sup>2</sup>	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A	
	Factory Charging	kg	14.90	17.80	16.80	16.80	23.40	
Sound <sup>3)</sup>	Sound Pressure	dB(A)	67.0	66.0	67.0	68.0	70.0	
	Sound Power	dB(A)	90.0	90.0	90.0	92.0	91.0	
External Dimension	Net Weight	kg	285.0 + 201.0	241.0 + 285.0	255.0 + 285.0	285.0 x 2	285.0 x 2	241.0 + 350.0
	Shipping Weight	kg	305.0 + 217.0	261.0 + 305.0	275.0 + 305.0	305.0 x 2	305.0 x 2	261.0 + 372.0
	Net Dimensions (WxHxD)	mm	1,295 x 1,695 x 765 + 880 x 1,695 x 765	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765
	Shipping Dimensions (WxHxD)	mm	1,363 x 1,887 x 832 + 948 x 1,887 x 832	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	1,363 x 1,887 x 832 + 1,363 x 1,987 x 832
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating	°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

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1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.

2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.

3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)

\* PDM kit: Pressure Drop Modulation kit.

MCA: Minimum Circuit Amps, MFA: Maximum Fuse Amps.

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## DVM S HP Premium

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

### DVM S HP - Compact

Model Code		DVM S HP	AM460KXVGGH2EU	AM480KXVGGH2EU	AM500KXVGGH2EU	AM520KXVGGH2EU	AM540KXVGGH2EU	AM560KXVGGH2EU
Power Supply		Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode		-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP	HP	46.00	48.00	50.00	52.00	54.00	56.00
		Capacity (Nominal)						
	Cooling	kW	129.00	134.40	140.00	145.60	151.20	156.80
		Btu/h	440,200	458,600	477,700	496,800	515,900	535,000
Heating	kW	144.90	151.20	157.50	163.80	170.10	176.40	
	Btu/h	494,400	515,900	537,400	558,900	580,400	601,900	
Power	Power Input (Nominal)	Cooling <sup>1)</sup>	33.62	33.38	35.20	38.45	38.70	40.03
		Heating <sup>2)</sup>	31.34	31.11	33.34	36.45	36.02	37.65
	Current Input (Nominal)	Cooling <sup>1)</sup>	53.90	53.50	56.40	61.70	62.10	64.20
		Heating <sup>2)</sup>	50.20	49.90	53.50	58.40	57.70	60.40
	MCA		105.00 (MCA)	112.20 (MCA)	115.00 (MCA)	117.60 (MCA)	128.00 (MCA)	133.00 (MCA)
	MFA		-	-	-	-	-	-
COP	Nominal Cooling <sup>1)</sup>	-	3.84	4.03	3.98	3.79	3.91	3.92
	Nominal Heating <sup>2)</sup>	-	4.62	4.86	4.72	4.49	4.72	4.69
Compressor	Type	-	SSC Scroll x 3	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4
	Output	kW x n	(7.81) + (7.81x2)	(6.39x2) + (7.81x2)	(6.39x2) + (7.81x2)	(6.39x2) + (7.81x2)	(6.76x2) + (7.81x2)	(7.81x2) + (7.81x2)
	Model Name	-	DS4GJ5080FVA x 3	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2	DS-GB070FAVA x 2 + DS4GJ5080FVA x 2	DS4GJ5080FVA x 4
	Oil	Type	PVE	PVE	PVE	PVE	PVE	PVE
Fan	Output x n	Type	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
		W	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2
	Air Flow Rate	CMM	255 + 340	290 + 340	290 + 340	290 + 340	340 x 2	340 x 2
		l/s	4,250.00 + 5,666.67	4,833.33 + 5,666.67	4,833.33 + 5,666.67	4,833.33 + 5,666.67	5,666.67 x 2	5,666.67 x 2
External Static Pressure	Max.	mmAq	8.00	8.00	8.00	8.00	8.00	8.00
	Pa		78.45	78.45	78.45	78.45	78.45	78.45
Piping Connections	Liquid Pipe	Φ, mm	19.05	19.05	19.05	19.05	19.05	19.05
		Φ, inch	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
	Gas Pipe	Φ, mm	41.28	41.28	41.28	41.28	41.28	41.28
		Φ, inch	1 5/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"
	Discharge Gas Pipe	Φ, mm	-	-	-	-	-	-
		Φ, inch	-	-	-	-	-	-
	Oil Equalizing Pipe	Φ, mm	-	-	-	-	-	-
		Φ, inch	-	-	-	-	-	-
	Installation Limitation	Max. Length	m	200	200	200	200	200
		Max. Height	m	110.0	110.0	110.0	110.0	110.0
Field Wiring	Power Source Wire	mm <sup>2</sup>	-	-	-	-	-	
	Transmission Cable	mm <sup>2</sup>	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A	
	Factory Charging	kg	22.40	22.40	22.40	22.40	28.00	
Sound <sup>3)</sup>	Sound Pressure	dB(A)	70.0	70.0	70.0	70.0	72.0	
	Sound Power	dB(A)	91.0	93.0	93.0	93.0	93.0	
External Dimension	Net Weight	kg	255.0 + 350.0	285.0 + 350.0	285.0 + 350.0	285.0 + 350.0	342.0 + 350.0	
	Shipping Weight	kg	275.0 + 372.0	305.0 + 372.0	305.0 + 372.0	305.0 + 372.0	364.0 + 372.0	
	Net Dimensions (WxHxD)	mm	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765	(1,295 x 1,795 x 765) x 2	(1,295 x 1,795 x 765) x 2
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	
	Heating	°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	

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2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.

3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)

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### DVMS HP - Compact

Model Code		DVM S HP	AM580KXVGGH2EU	AM600KXVGGH2EU	AM620KXVGGH2EU	AM640KXVGGH2EU	AM660KXVGGH2EU	AM680KXVGGH2EU	
Power Supply		Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	
Mode		-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP	HP	58.00	60.00	62.00	64.00	66.00	68.00	
		kW	162.60	168.00	173.60	179.20	185.60	190.60	
	Capacity (Nominal)	Cooling	Btu/h	554,800	573,200	592,300	611,500	633,300	650,400
		Heating	kW	182.70	189.00	195.30	201.60	208.80	214.20
		Btu/h	623,400	644,900	666,400	687,900	712,500	730,900	
Power	Power Input (Nominal)	Cooling <sup>1)</sup>	kW	42.35	45.40	42.77	46.02	47.34	49.37
		Heating <sup>2)</sup>	kW	39.36	41.18	40.90	44.01	46.07	47.20
	Current Input (Nominal)	Cooling <sup>1)</sup>	A	67.90	72.80	68.50	73.80	76.00	79.20
		Heating <sup>2)</sup>	A	63.10	66.00	65.60	70.50	73.80	75.60
	MCA		140.00 (MCA)	146.00 (MCA)	146.30 (MCA)	148.90 (MCA)	142.60 (MCA)	149.60 (MCA)	
	MFA		-	-	-	-	-	-	
COP	Nominal Cooling <sup>1)</sup>	-	3.84	3.70	4.06	3.89	3.92	3.86	
	Nominal Heating <sup>2)</sup>	-	4.64	4.59	4.78	4.58	4.53	4.54	
Type		-	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 5	SSC Scroll x 5	SSC Scroll x 5	SSC Scroll x 5	
Output		-	(7.81x2) + (7.81x2)	(7.81x2)x2	(6.39x2) + (7.81x2) + (6.39)	(6.39x2) + (7.81x2) + (6.39)	(6.39) + (6.39x2) + (7.81x2)	(7.81) + (6.39x2) + (7.81x2)	
Model Name		-	DS4GJ5080FVA x 4	DS4GJ5080FVA x 4	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2 + DS-GB066FAVBSG x 1	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2 + DS-GB066FAVBSG x 1	DS-GB066FAVB x 3 + DS4GJ5080FVA x 2	DS4GJ5080FVA x 3 + DS-GB066FAVB x 2	
Oil		Type	PVE	PVE	PVE	PVE	PVE	PVE	
		Initial Charge	5600	5600	6100	6100	6100	6400	
Type		-	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
Output x n		-	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2 + 830.0 x 1	(620.0 x 2) x 2 + 830.0 x 1	(620.0 x 2) x 3	(620.0 x 2) x 3	
Air Flow Rate		CMM	340 x 2	340 x 2	290 + 340 + 220	290 + 340 + 220	255 + 290 + 340	255 + 290 + 340	
External Static Pressure		Max.	5,666.67 x 2	5,666.67 x 2	4,833.33 + 5,666.67 + 3,666.67	4,833.33 + 5,666.67 + 3,666.67	4,250.00 + 4,833.33 + 5,666.67	4,250.00 + 4,833.33 + 5,666.67	
		Pa	8.00	8.00	8.00	8.00	8.00	8.00	
Liquid Pipe		Φ, mm	19.05	19.05	22.22	22.22	22.22	22.22	
		Φ, inch	3/4"	3/4"	7/8"	7/8"	7/8"	7/8"	
Gas Pipe		Φ, mm	41.28	41.28	53.98	53.98	53.98	53.98	
		Φ, inch	1 5/8"	1 5/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	
Discharge Gas Pipe		Φ, mm	-	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	-	
Oil Equalizing Pipe		Φ, mm	-	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	-	
Installation Limitation		Max. Length	200	200	200	200	200	200	
		Max. Height	110.0	110.0	110.0	110.0	110.0	110.0	
Power Source Wire		mm <sup>2</sup>	-	-	-	-	-	-	
Transmission Cable		mm <sup>2</sup>	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	
Type		-	R410A	R410A	R410A	R410A	R410A	R410A	
Factory Charging		kg	28.00	28.00	28.90	31.80	30.80	30.80	
Sound Pressure		dB(A)	72.0	72.0	71.0	71.0	71.0	71.0	
Sound Power		dB(A)	93.0	93.0	93.0	93.0	93.0	93.0	
Net Weight		kg	350.0 x 2	350.0 x 2	285.0 + 350.0 + 201.0	285.0 + 350.0 + 201.0	241.0 + 285.0 + 350.0	255.0 + 285.0 + 350.0	
Shipping Weight		kg	372.0 x 2	372.0 x 2	305.0 + 372.0 + 217.0	305.0 + 372.0 + 217.0	261.0 + 305.0 + 372.0	275.0 + 305.0 + 372.0	
Net Dimensions (WxHxD)		mm	(1,295 x 1,795 x 765) x 2	(1,295 x 1,795 x 765) x 2	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765 + 880 x 1,695 x 765	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765 + 880 x 1,695 x 765	(1,295 x 1,695 x 765) x 2 + 1,295 x 1,795 x 765	(1,295 x 1,695 x 765) x 2 + 1,295 x 1,795 x 765	
Shipping Dimensions (WxHxD)		mm	(1,363 x 1,987 x 832) x 2	(1,363 x 1,987 x 832) x 2	1,363 x 1,887 x 832 + 1,363 x 1,987 x 832 + 948 x 1,887 x 832	1,363 x 1,887 x 832 + 1,363 x 1,987 x 832 + 948 x 1,887 x 832	(1,363 x 1,887 x 832) x 2 + 1,363 x 1,987 x 832	(1,363 x 1,887 x 832) x 2 + 1,363 x 1,987 x 832	
Cooling		°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	
Heating		°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	

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1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.

2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.

3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)

\* PDM kit: Pressure Drop Modulation Kit.

5) MCA: Minimum Circuit Amps, MFA: Maximum Fuse Amps.

\* These products contain R410A which is fluorinated greenhouse gas.

# DVMS LINE UP \_Outdoor Unit



## DVMS HP Premium

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

### DVMS HP - Compact

Model Code		DVM S HP	AM700KXVGGH2EU	AM720KXVGGH2EU	AM740KXVGGH2EU	AM760KXVGGH2EU	AM780KXVGGH2EU	AM800KXVGGH2EU	
Power Supply		Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	
Mode		-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP	HP	70.00	72.00	74.00	76.00	78.00	80.00	
		kW	196.00	201.60	207.20	212.80	218.40	224.20	
	Capacity (Nominal)	Cooling	Btu/h	668,800	687,900	707,000	726,100	745,200	765,000
		Heating	Btu/h	220.50	226.80	233.10	239.40	245.70	252.00
Power	Power Input (Nominal)	Cooling <sup>1)</sup>	kW	49.13	50.95	54.20	54.45	55.78	58.10
		Heating <sup>2)</sup>	kW	46.97	49.20	52.31	51.88	53.51	55.22
	Current Input (Nominal)	Cooling <sup>1)</sup>	A	78.80	81.70	87.00	87.40	89.50	93.20
		Heating <sup>2)</sup>	A	75.30	78.90	83.80	83.10	85.80	88.50
	MCA		156.80 (MCA)	159.60 (MCA)	162.20 (MCA)	172.60 (MCA)	177.60 (MCA)	184.60 (MCA)	
	MFA	A	-	-	-	-	-	-	
COP	Nominal Cooling <sup>1)</sup>	-	3.99	3.96	3.82	3.91	3.92	3.86	
	Nominal Heating <sup>2)</sup>	-	4.69	4.61	4.46	4.61	4.59	4.56	
Compressor	Type	-	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	
	Output	kW x n	(6.39x2) + (6.39x2) + (7.81x2)	(6.39x2) + (6.39x2) + (7.81x2)	(6.39x2)x2 + (7.81x2)	(6.39x2) + (6.76x2) + (7.81x2)	(6.39x2) + (7.81x2) + (7.81x2)	(6.39x2) + (7.81x2) + (7.81x2)	
Oil	Model Name	-	DS-GB066FAVB x 4 + DS4GJ5080FVA x 2	DS-GB066FAVB x 4 + DS4GJ5080FVA x 2	DS-GB066FAVB x 4 + DS4GJ5080FVA x 2	DS-GB066FAVB x 2 + DS-GB070FAVA x 2 + DS4GJ5080FVA x 2	DS-GB066FAVB x 2 + DS4GJ5080FVA x 4	DS-GB066FAVB x 2 + DS4GJ5080FVA x 4	
	Type	-	PVE	PVE	PVE	PVE	PVE	PVE	
	Initial Charge	cc	7200	7200	7200	7200	7800	7800	
Fan	Type	-	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n	W	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	
	Air Flow Rate	CMM	290 x 2 + 340	290 x 2 + 340	290 x 2 + 340	290 + 340 x 2	290 + 340 x 2	290 + 340 x 2	
	External Static Pressure	Max. l/s	4,833.33 x 2 + 5,666.67	4,833.33 x 2 + 5,666.67	4,833.33 x 2 + 5,666.67	4,833.33 x 2 + 5,666.67 x 2	4,833.33 + 5,666.67 x 2	4,833.33 + 5,666.67 x 2	
Piping Connections	Liquid Pipe	Pa	78.45	78.45	78.45	78.45	78.45	78.45	
		Φ, mm	22.22	22.22	22.22	22.22	22.22	22.22	
	Gas Pipe	Φ, mm	53.98	53.98	53.98	53.98	53.98	53.98	
		Φ, inch	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	
	Discharge Gas Pipe	Φ, mm	-	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	-	
	Oil Equalizing Pipe	Φ, mm	-	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	-	
	Installation Limitation	Max. Length	m	200	200	200	200	200	
		Max. Height	m	110.0	110.0	110.0	110.0	110.0	
Field Wiring	Power Source Wire	mm <sup>2</sup>	-	-	-	-	-	-	
	Transmission Cable	mm <sup>2</sup>	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A	R410A	
	Factory Charging	kg	30.80	30.80	30.80	36.40	36.40	36.40	
Sound <sup>3)</sup>	Sound Pressure	dB(A)	72.0	72.0	72.0	73.0	73.0	73.0	
	Sound Power	dB(A)	94.0	94.0	94.0	94.0	94.0	94.0	
External Dimension	Net Weight	kg	285.0 x 2 + 350.0	285.0 x 2 + 350.0	285.0 x 2 + 350.0	285.0 + 342.0 + 350.0	285.0 + 350.0 x 2	285.0 + 350.0 x 2	
	Shipping Weight	kg	305.0 x 2 + 372.0	305.0 x 2 + 372.0	305.0 x 2 + 372.0	305.0 + 364.0 + 372.0	305.0 + 372.0 x 2	305.0 + 372.0 x 2	
	Net Dimensions (WxHxD)	mm	(1,295 x 1,695 x 765) x 2 + 1,295 x 1,795 x 765	(1,295 x 1,695 x 765) x 2 + 1,295 x 1,795 x 765	(1,295 x 1,695 x 765) x 2 + 1,295 x 1,795 x 765	1,295 x 1,695 x 765 + (1,295 x 1,795 x 765) x 2	1,295 x 1,695 x 765 + (1,295 x 1,795 x 765) x 2	1,295 x 1,695 x 765 + (1,295 x 1,795 x 765) x 2	
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	
	Heating	°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	

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1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.

2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.

3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)

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# DVMS LINE UP \_Outdoor Unit



## DVM S HP Premium

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

### DVM S HP - Compact

Model Code		DVM S HP	AM820KXVGGH2EU	AM840KXVGGH2EU	AM860KXVGGH2EU	AM880KXVGGH2EU	AM900KXVGGH2EU	
Power Supply		Φ, #, V, Hz	3,4.380-415.50	3,4.380-415.50	3,4.380-415.50	3,4.380-415.50	3,4.380-415.50	
Mode		-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP	HP	82.00	84.00	86.00	88.00	90.00	
		kW	229.60	235.20	240.80	246.60	252.00	
	Capacity (Nominal)	Cooling	Btu/h	783,400	802,500	821,600	841,400	859,900
		Heating	kW	258.30	264.60	270.90	277.20	283.50
		Btu/h	881,400	902,900	924,300	945,800	967,300	
Power	Power Input (Nominal)	Cooling <sup>1)</sup>	kW	61.15	61.40	62.73	65.05	68.10
		Heating <sup>2)</sup>	kW	57.04	56.61	58.24	59.95	61.77
	Current Input (Nominal)	Cooling <sup>1)</sup>	A	98.10	98.50	100.60	104.30	109.20
		Heating <sup>2)</sup>	A	91.40	90.70	93.40	96.10	99.00
	MCA			190.60 (MCA)	201.00 (MCA)	206.00 (MCA)	213.00 (MCA)	219.00 (MCA)
	MFA			250.00	250.00	250.00	250.00	250.00
COP	Nominal Cooling <sup>1)</sup>	-	3.75	3.83	3.84	3.79	3.70	
	Nominal Heating <sup>2)</sup>	-	4.53	4.67	4.65	4.62	4.59	
Compressor	Type	-	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	
	Output	kW x n	(6.39x2) + (7.81x2)x2	(6.76x2) + (7.81x2)x2	(7.81x2) + (7.81x2)x2	(7.81x2) + (7.81x2)x2	(7.81x2)x3	
	Model Name	-	DS-GB066FAVB x 2 + DS4GJ5080FVA x 4	DS-GB070FAVA x 2 + DS4GJ5080FVA x 4	DS4GJ5080FVA x 6	DS4GJ5080FVA x 6	DS4GJ5080FVA x 6	
	Oil	Type	PVE	PVE	PVE	PVE	PVE	
Initial Charge		cc	7800	7800	8400	8400	8400	
Fan	Type	-	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n	W	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	
	Air Flow Rate	CMM	290 + 340 x 2	340 x 3	340 x 3	340 x 3	340 x 3	
		l/s	4,833.33 + 5,666.67 x 2	5,666.67 x 3	5,666.67 x 3	5,666.67 x 3	5,666.67 x 3	
Piping Connections	External Static Pressure	Max.	mmAq	8.00	8.00	8.00	8.00	
		Pa	78.45	78.45	78.45	78.45	78.45	
	Liquid Pipe	Φ, mm	22.22	22.22	22.22	22.22	22.22	
		Φ, inch	7/8"	7/8"	7/8"	7/8"	7/8"	
	Gas Pipe	Φ, mm	53.98	53.98	53.98	53.98	53.98	
		Φ, inch	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	
	Discharge Gas Pipe	Φ, mm	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	
Oil Equalizing Pipe	Φ, mm	-	-	-	-	-		
	Φ, inch	-	-	-	-	-		
Installation Limitation	Max. Length	m	200	200	200	200		
	Max. Height	m	110.0	110.0	110.0	110.0		
Field Wiring	Power Source Wire	mm <sup>2</sup>	-	-	-	-		
	Transmission Cable	mm <sup>2</sup>	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5		
Refrigerant	Type	-	R410A	R410A	R410A	R410A		
	Factory Charging	kg	36.40	42.00	42.00	42.00		
Sound <sup>3)</sup>	Sound Pressure	dB(A)	73.0	74.0	74.0	74.0		
	Sound Power	dB(A)	94.0	95.0	95.0	95.0		
External Dimension	Net Weight	kg	285.0 + 350.0 x 2	342.0 + 350.0 x 2	350.0 x 3	350.0 x 3		
	Shipping Weight	kg	305.0 + 372.0 x 2	364.0 + 372.0 x 2	372.0 x 3	372.0 x 3		
	Net Dimensions (WxHxD)	mm	1,295 x 1,695 x 765 + (1,295 x 1,795 x 765) x 2	(1,295 x 1,795 x 765) x 3	(1,295 x 1,795 x 765) x 3	(1,295 x 1,795 x 765) x 3		
	Shipping Dimensions (WxHxD)	mm	1,363 x 1,887 x 832 + (1,363 x 1,987 x 832) x 2	(1,363 x 1,987 x 832) x 3	(1,363 x 1,987 x 832) x 3	(1,363 x 1,987 x 832) x 3		
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0		
	Heating	°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0		

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2) Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)

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# DVMS LINE UP \_Outdoor Unit



## DVMS HP Standard

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

DVMS				DVM S HP	AM080JXVAGH	AM100JXVAGH	AM120JXVAGH	AM140KXVAGH	AM160KXVAGH	AM180KXVAGH
Power Supply				Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode				-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP			HP	8.00	10.00	12.00	14.00	16.00	18.00
		Capacity (Nominal)	Cooling	kW	22.40	28.00	33.60	40.00	45.00	50.40
			Cooling	Btu/h	76,400	95,500	114,600	136,500	153,500	172,000
			Heating	kW	25.20	31.50	37.80	45.00	50.40	56.70
		Heating	Btu/h	86,000	107,500	129,000	153,500	172,000	193,500	
Power	Power Input (Nominal)	Cooling <sup>1)</sup>	kW	5.00	6.85	8.16	10.93	12.10	12.60	
		Heating <sup>2)</sup>	kW	5.10	6.65	8.03	10.16	11.61	11.91	
	Current Input (Nominal)	Cooling <sup>1)</sup>	A	8.00	11.00	13.10	17.50	19.40	20.20	
		Heating <sup>2)</sup>	A	8.20	10.70	12.90	16.30	18.60	19.10	
	MCA			18.00 (MCA)	21.10 (MCA)	25.00 (MCA)	25.00 (MCA)	32.00 (MCA)	39.20 (MCA)	
	MFA			30.00	30.00	40.00	40.00	50.00	50.00	
COP	Nominal Cooling <sup>1)</sup>		-	4.48	4.09	4.12	3.66	3.72	4.00	
	Nominal Heating <sup>2)</sup>		-	4.94	4.74	4.71	4.43	4.34	4.76	
Compressor	Type		-	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1	
	Output		kW x n	(4.39)	(6.39)	(6.39)	(6.39)	(7.81)	(7.81)	
	Model Name		-	DS-GA046FAVADO x 1	DS-GB066FAVB x 1	DS-GB066FAVB x 1	DS-GB066FAVB x 1	DS4GJ5080FVA x 1	DS4GJ5080FVA x 1	
	Oil	Type	-	PVE	PVE	PVE	PVE	PVE	PVE	
Initial Charge		cc	900	1100	1100	1100	1400	1400		
Fan	Type		-	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n		W	830.0 x 1	830.0 x 1	830.0 x 1	620.0 x 2	620.0 x 2	620.0 x 2	
	Air Flow Rate		CMM	170	170	220	255	255	290	
	External Static Pressure		l/s	2,833.33	2,833.33	3,666.67	4,250.00	4,250.00	4,833.33	
Max.		mmAq	8.00	8.00	8.00	8.00	8.00	8.00		
Piping Connections	Liquid Pipe		Φ, mm	9.52	9.52	12.70	12.70	12.70	15.88	
			Φ, inch	3/8"	3/8"	1/2"	1/2"	1/2"	5/8"	
	Gas Pipe		Φ, mm	19.05	22.22	28.58	28.58	28.58	28.58	
			Φ, inch	3/4"	7/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	
	Discharge Gas Pipe		Φ, mm	-	-	-	-	-	-	
			Φ, inch	-	-	-	-	-	-	
	Oil Equalizing Pipe		Φ, mm	-	-	-	-	-	-	
			Φ, inch	-	-	-	-	-	-	
	Installation Limitation	Max. Length	m	200	200	200	200	200	200	
		Max. Height	m	110.0	110.0	110.0	110.0	110.0	110.0	
Field Wiring	Power Source Wire	mm <sup>2</sup>	-	-	-	-	-	-		
	Transmission Cable	mm <sup>2</sup>	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	-	-	-		
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A	R410A		
	Factory Charging	kg	5.50	5.50	6.50	7.70	8.40	8.40		
Sound <sup>3)</sup>	Sound Pressure	dB(A)	57.0	58.0	62.0	61.0	63.0	64.0		
	Sound Power	dB(A)	77.0	79.0	81.0	81.0	83.0	84.0		
External Dimension	Net Weight	kg	186.0	197.0	210.0	0.0	253.0	255.0		
	Shipping Weight	kg	202.0	213.0	223.0	246.0	273.0	275.0		
	Net Dimensions (WxHxD)	mm	880 x 1,695 x 765	880 x 1,695 x 765	880 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765		
	Shipping Dimensions (WxHxD)	mm	948 x 1,887 x 832	948 x 1,887 x 832	948 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832		
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0		
	Heating	°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0		

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 \* If you wish to install an outdoor unit module with a capacity of over 66 HP, then please contact your local Samsung Dealer.  
 1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.  
 2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.  
 3) Sound level was acquired in an anechoic room. This actual noise level may be different depending on the installation conditions.  
 4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)  
 \* PDM kit: Pressure Drop Modulation kit.  
 5) MCA: Minimum Circuit Amps., MFA: Maximum Fuse Amps.  
 \* These products contain R410A which is fluorinated greenhouse gas.

# DVMS LINE UP \_Outdoor Unit



## DVMS HP Standard

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

DVMS				DVM S HP	AM200KXVAGH	AM220KXVAGH	AM240KXVAGH	AM260KXVAGH	AM300KXVAGH	AM320KXVAGH
Power Supply				Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode				-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP			HP	20.00	22.00	24.00	26.00	30.00	32.00
				kW	56.00	61.60	67.20	72.80	84.00	89.60
	Capacity (Nominal)	Cooling	Btu/h	191,100	210,200	229,300	248,400	286,600	305,700	
		Heating	kW	63.00	69.30	75.60	81.90	94.50	100.80	
				Btu/h	215,000	236,500	258,000	279,500	322,400	343,900
Power	Power Input (Nominal)	Cooling <sup>1)</sup>	kW	14.18	17.35	17.10	17.10	18.91	22.70	24.20
		Heating <sup>2)</sup>	kW	13.91	16.70	17.42	18.00	18.30	23.35	
	Current Input (Nominal)	Cooling <sup>1)</sup>	A	22.70	27.80	27.40	30.30	36.40	38.80	
		Heating <sup>2)</sup>	A	22.30	26.80	27.90	28.90	29.30	37.50	
	MCA				42.00 (MCA)	44.60 (MCA)	55.00 (MCA)	60.00 (MCA)	70.50 (MCA)	65.70 (MCA)
	MFA				75.00	75.00	75.00	75.00	90.00	90.00
COP	Nominal Cooling <sup>1)</sup>		-	3.95	3.55	3.93	3.85	3.70	3.70	
	Nominal Heating <sup>2)</sup>		-	4.53	4.15	4.34	4.55	5.16	4.32	
Compressor	Type		-	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2	-	SSC Scroll x 3	
	Output		-	(5.18x2)	(6.39x2)	(6.39x2)	(6.39x2)	-	(6.39x2) + (6.39)	
	Model Name		-	DS-GB052FAVB x 2	DS-GB066FAVB x 2	DS-GB066FAVB x 2	DS-GB066FAVB x 2	-	DS-GB066FAVB x 3	
	Oil		Type	-	PVE	PVE	PVE	PVE	-	PVE
		Initial Charge		cc	2200	2200	2200	2200	-	3300
Fan	Type		-	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n		-	620.0 x 2	620.0 x 2	620.0 x 2	620.0 x 2	620.0 x 2	620.0 x 2 + 830.0 x 1	
	Air Flow Rate		CMM	290	290	340	340	340	340	290 + 170
			l/s	4,833.33	4,833.33	5,666.67	5,666.67	5,666.67	5,666.67	4,833.33 + 2,833.33
Piping Connections	Liquid Pipe			Φ, mm	15.88	15.88	15.88	19.05	19.05	19.05
				Φ, inch	5/8"	5/8"	5/8"	3/4"	3/4"	3/4"
	Gas Pipe			Φ, mm	28.58	28.58	34.92	34.92	34.92	34.92
				Φ, inch	1 1/8"	1 1/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"
	Discharge Gas Pipe				Φ, mm	-	-	-	-	-
					Φ, inch	-	-	-	-	-
Oil Equalizing Pipe				Φ, mm	-	-	-	-	-	
				Φ, inch	-	-	-	-	-	
Installation Limitation	Max. Length		m	200	200	200	200	200	200	
	Max. Height		m	110.0	110.0	110.0	110.0	110.0	110.0	
Field Wiring	Power Source Wire		mm <sup>2</sup>	-	-	-	-	-	-	
	Transmission Cable		mm <sup>2</sup>	-	-	-	-	-	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A	
	Factory Charging		kg	8.40	8.40	12.50	12.50	15.50	13.90	
Sound <sup>3)</sup>	Sound Pressure		dB(A)	65.0	65.0	66.0	66.0	69.0	66.0	
	Sound Power		dB(A)	87.0	89.0	89.0	89.0	87.0	89.0	
External Dimension	Net Weight		kg	277.0	285.0	333.0	333.0	360.0	285.0 + 197.0	
	Shipping Weight		kg	297.0	305.0	355.0	355.0	377.0	305.0 + 213.0	
	Net Dimensions (WxHxD)		mm	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,795 x 765	1,295 x 1,795 x 765	1,295 x 1,795 x 765	1,295 x 1,695 x 765 + 880 x 1,695 x 765	
Shipping Dimensions (WxHxD)		mm	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,987 x 832	1,363 x 1,987 x 832	1,363 x 1,987 x 832	1,363 x 1,887 x 832 + 948 x 1,887 x 832		
Operating Temp. Range	Cooling		°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	
	Heating		°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	

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3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)

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- Smart Management
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- Comfortable & Reliable Operation
- New Communication Protocol

DVMS		DVM S HP	AM340KXVAGH	AM360KXVAGH	AM380KXVAGH	AM400KXVAGH	AM420KXVAGH	AM440KXVAGH	
Power Supply		Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP		34.00	36.00	40.00	42.00	44.00		
		Capacity (Nominal)	kW	95.20	101.60	106.60	112.00	117.60	123.20
	Cooling		324,800	346,700	363,700	382,200	401,300	420,400	
		Btu/h	kW	107.10	114.30	119.70	126.00	132.30	138.60
Heating		365,400	390,000	408,400	429,900	451,400	472,900		
	Btu/h								
Power	Power Input (Nominal)	Cooling <sup>1)</sup>	25.51	28.28	29.45	29.95	31.53	34.70	
		Heating <sup>2)</sup>	24.73	26.86	28.31	28.61	30.61	33.40	
	Current Input (Nominal)	Cooling <sup>1)</sup>	40.90	45.30	47.20	48.00	50.50	55.60	
		Heating <sup>2)</sup>	39.70	43.10	45.40	45.90	49.10	53.60	
	MCA		69.60 (MCA)	69.60 (MCA)	76.60 (MCA)	83.80 (MCA)	86.60 (MCA)	89.20 (MCA)	
	MFA		90.00	90.00	90.00	100.00	100.00	100.00	
COP	Nominal Cooling <sup>1)</sup>		3.73	3.59	3.62	3.74	3.73	3.55	
	Nominal Heating <sup>2)</sup>		4.33	4.26	4.23	4.40	4.32	4.15	
Compressor	Type		SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 4	SSC Scroll x 4	
	Output		(6.39x2) + (6.39)	(6.39) + (6.39x2)	(7.81) + (6.39x2)	(7.81) + (6.39x2)	(5.18x2) + (6.39x2)	(6.39x2)x2	
	Model Name		DS-GB066FAVB x 3	DS-GB066FAVB x 3	DS4GJ5080FVA x 1 + DS-GB066FAVB x 2	DS4GJ5080FVA x 1 + DS-GB066FAVB x 2	DS-GB052FAVB x 2 + DS-GB066FAVB x 2	DS-GB066FAVB x 4	
	Oil	Type	PVE	PVE	PVE	PVE	PVE	PVE	
Initial Charge		3300	3300	3600	3600	4400	4400		
Fan	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n		620.0 x 2 + 830.0 x 1	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	
	Air Flow Rate		290 + 220	255 + 290	255 + 290	290 x 2	290 x 2	290 x 2	
	External Static Pressure	Max.	4,833.33 + 3,666.67	4,250.00 + 4,833.33	4,250.00 + 4,833.33	4,833.33 x 2	4,833.33 x 2	4,833.33 x 2	
Piping Connections	Liquid Pipe	Φ, mm	19.05	19.05	19.05	19.05	19.05	19.05	
		Φ, inch	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	
	Gas Pipe	Φ, mm	34.92	41.28	41.28	41.28	41.28	41.28	
		Φ, inch	1 3/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"	
	Discharge Gas Pipe	Φ, mm	-	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	-	
	Oil Equalizing Pipe	Φ, mm	-	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	-	
	Installation Limitation	Max. Length		200	200	200	200	200	
		Max. Height		110.0	110.0	110.0	110.0	110.0	
Field Wiring	Power Source Wire		-	-	-	-	-		
	Transmission Cable		0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5		
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A		
	Factory Charging		14.90	16.10	16.80	16.80	16.80		
Sound <sup>3)</sup>	Sound Pressure		67.0	66.0	67.0	68.0	68.0		
	Sound Power		90.0	90.0	90.0	92.0	92.0		
External Dimension	Net Weight		285.0 + 210.0	0.0 + 285.0	253.0 + 285.0	255.0 + 285.0	277.0 + 285.0	285.0 x 2	
	Shipping Weight		305.0 + 223.0	246.0 + 305.0	273.0 + 305.0	275.0 + 305.0	297.0 + 305.0	305.0 x 2	
	Net Dimensions (WxHxD)		1,295 x 1,695 x 765 + 880 x 1,695 x 765	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	
	Shipping Dimensions (WxHxD)		1,363 x 1,887 x 832 + 948 x 1,887 x 832	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	
Operating Temp. Range	Cooling		-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	
	Heating		-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	

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3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

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DVMS				DVM S HP	AM460KXVAGH	AM480KXVAGH	AM500KXVAGH	AM520KXVAGH	AM540KXVAGH	AM560KXVAGH
Power Supply				Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode				-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP			HP	46.00	48.00	50.00	52.00	54.00	56.00
		Capacity (Nominal)	Cooling	kW	129.00	134.40	140.00	145.60	151.20	156.80
			Cooling	Btu/h	440,200	458,600	477,700	496,800	515,900	535,000
			Heating	kW	144.90	151.20	157.50	163.80	170.10	176.40
	Heating		Btu/h	494,400	515,900	537,400	558,900	580,400	601,900	
	Power	Power Input (Nominal)	Cooling <sup>1)</sup>	kW	34.80	35.30	36.88	40.05	39.80	41.61
Heating <sup>2)</sup>			kW	32.20	32.50	34.50	37.29	38.01	38.59	
Current Input (Nominal)		Cooling <sup>1)</sup>	A	55.80	56.60	59.10	64.20	63.80	66.70	
		Heating <sup>2)</sup>	A	51.60	52.10	55.30	59.80	60.90	61.90	
MCA				105.00 (MCA)	112.20 (MCA)	115.00 (MCA)	117.60 (MCA)	128.00 (MCA)	133.00 (MCA)	
MFA				125.00	125.00	150.00	150.00	150.00	150.00	
COP				-	3.71	3.81	3.80	3.64	3.80	3.77
				-	4.50	4.65	4.57	4.39	4.48	4.57
Compressor				-	SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4
				-	(7.81) + (7.81x2)	(7.81) + (7.81x2)	(5.18x2) + (7.81x2)	(6.39x2) + (7.81x2)	(6.39x2) + (7.81x2)	(6.39x2) + (7.81x2)
				-	DS4GJ5080FVA x 3	DS4GJ5080FVA x 3	DS-GB052FAVB x 2 + DS4GJ5080FVA x 2	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2
Oil				-	PVE	PVE	PVE	PVE	PVE	PVE
				-	4200	4200	5000	5000	5000	5000
Fan				-	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
				-	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2
				-	255 + 340	290 + 340	290 + 340	290 + 340	340 x 2	340 x 2
				-	4,250.00 + 5,666.67	4,833.33 + 5,666.67	4,833.33 + 5,666.67	4,833.33 + 5,666.67	5,666.67 x 2	5,666.67 x 2
Piping Connections	Liquid Pipe			Φ, mm	19.05	19.05	19.05	19.05	19.05	19.05
				Φ, inch	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
	Gas Pipe			Φ, mm	41.28	41.28	41.28	41.28	41.28	41.28
				Φ, inch	1 5/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"
	Discharge Gas Pipe			Φ, mm	-	-	-	-	-	-
				Φ, inch	-	-	-	-	-	-
	Oil Equalizing Pipe			Φ, mm	-	-	-	-	-	-
				Φ, inch	-	-	-	-	-	-
	Installation Limitation	Max. Length		m	200	200	200	200	200	200
		Max. Height		m	110.0	110.0	110.0	110.0	110.0	110.0
Field Wiring	Power Source Wire			mm <sup>2</sup>	-	-	-	-	-	-
	Transmission Cable			mm <sup>2</sup>	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type			-	R410A	R410A	R410A	R410A	R410A	R410A
	Factory Charging			kg	22.40	22.40	22.40	22.40	26.50	26.50
Sound <sup>3)</sup>	Sound Pressure			dB(A)	70.0	70.0	70.0	70.0	71.0	71.0
	Sound Power			dB(A)	91.0	93.0	93.0	93.0	93.0	93.0
External Dimension	Net Weight			kg	253.0 + 350.0	255.0 + 350.0	277.0 + 350.0	285.0 + 350.0	333.0 + 350.0	333.0 + 350.0
	Shipping Weight			kg	273.0 + 372.0	275.0 + 372.0	297.0 + 372.0	305.0 + 372.0	355.0 + 372.0	355.0 + 372.0
	Net Dimensions (WxHxD)			mm	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765	(1,295 x 1,795 x 765) x 2	(1,295 x 1,795 x 765) x 2
Shipping Dimensions (WxHxD)			mm	1,363 x 1,887 x 832 + 1,363 x 1,987 x 832	1,363 x 1,887 x 832 + 1,363 x 1,987 x 832	1,363 x 1,887 x 832 + 1,363 x 1,987 x 832	1,363 x 1,887 x 832 + 1,363 x 1,987 x 832	(1,363 x 1,987 x 832) x 2	(1,363 x 1,987 x 832) x 2	
Operating Temp. Range	Cooling			°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating			°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

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3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)

\* PDM kit: Pressure Drop Modulation kit.

5) MCA: Minimum Circuit Amps., MFA: Maximum Fuse Amps.

\* These products contain R410A which is fluorinated greenhouse gas.



# DVMS LINE UP Outdoor Unit



## DVMS HP Standard

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

DVMS				DVM S HP	AM580KXVAGH	AM600KXVAGH	AM620KXVAGH	AM640KXVAGH	AM660KXVAGH	AM680KXVAGH
Power Supply				Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode				-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP			HP	58.00	60.00	62.00	64.00	66.00	68.00
		Capacity (Nominal)	Cooling	kW	162.60	168.00	173.60	179.20	185.60	190.60
			Cooling	Btu/h	554,800	573,200	592,300	611,500	633,300	650,400
		Heating	kW	182.70	189.00	195.30	201.60	208.80	214.20	
Power	Power Input (Nominal)	Cooling <sup>1)</sup>	kW	43.38	45.40	46.90	48.21	50.98	52.15	
		Heating <sup>2)</sup>	kW	40.77	41.18	43.94	45.32	47.45	48.90	
	Current Input (Nominal)	Cooling <sup>1)</sup>	A	69.60	72.80	75.20	77.30	81.70	83.60	
		Heating <sup>2)</sup>	A	65.40	66.00	70.50	72.70	76.10	78.40	
	MCA				140.00 (MCA)	146.00 (MCA)	138.70 (MCA)	142.60 (MCA)	142.60 (MCA)	149.60 (MCA)
	MFA				175.00	175.00	175.00	175.00	175.00	175.00
COP				-	3.75	3.70	3.70	3.72	3.64	3.65
				-	4.48	4.59	4.44	4.45	4.40	4.38
Compressor	Type			-	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 5	SSC Scroll x 5	SSC Scroll x 5	SSC Scroll x 5
	Output			-	(6.76x2) + (7.81x2)	(7.81x2)x2	(6.39x2) + (7.81x2) + (6.39)	(6.39x2) + (7.81x2) + (6.39)	(6.39) + (6.39x2) + (7.81x2)	(7.81) + (6.39x2) + (7.81x2)
	Model Name			-	DS-GB070FAVA x 2 + DS4GJ5080FVA x 2	DS4GJ5080FVA x 4	DS-GB066FAVB x 3 + DS4GJ5080FVA x 2	DS-GB066FAVB x 3 + DS4GJ5080FVA x 2	DS-GB066FAVB x 3 + DS4GJ5080FVA x 2	DS4GJ5080FVA x 3 + DS-GB066FAVB x 2
Oil	Type			-	PVE	PVE	PVE	PVE	PVE	PVE
	Initial Charge			-	5000	5600	6100	6100	6100	6400
Fan	Type			-	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
	Output x n			-	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2 + 830.0 x 1	(620.0 x 2) x 2 + 830.0 x 1	(620.0 x 2) x 3	(620.0 x 2) x 3
	Air Flow Rate			-	340 x 2	340 x 2	290 + 340 + 170	290 + 340 + 220	255 + 290 + 340	255 + 290 + 340
	External Static Pressure			Max.	5,666.67 x 2	5,666.67 x 2	4,833.33 + 5,666.67 + 2,833.33	4,833.33 + 5,666.67 + 3,666.67	4,250.00 + 4,833.33 + 5,666.67	4,250.00 + 4,833.33 + 5,666.67
Piping Connections	Liquid Pipe			Φ, mm	19.05	19.05	22.22	22.22	22.22	22.22
				Φ, inch	3/4"	3/4"	7/8"	7/8"	7/8"	7/8"
	Gas Pipe			Φ, mm	41.28	41.28	53.98	53.98	53.98	53.98
				Φ, inch	1 5/8"	1 5/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"
	Discharge Gas Pipe			Φ, mm	-	-	-	-	-	-
				Φ, inch	-	-	-	-	-	-
	Oil Equalizing Pipe			Φ, mm	-	-	-	-	-	-
				Φ, inch	-	-	-	-	-	-
	Installation Limitation			Max. Length	200	200	200	200	200	200
				Max. Height	110.0	110.0	110.0	110.0	110.0	110.0
Field Wiring	Power Source Wire			mm <sup>2</sup>	-	-	-	-	-	-
	Transmission Cable			mm <sup>2</sup>	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type			-	R410A	R410A	R410A	R410A	R410A	R410A
	Factory Charging			kg	28.00	28.00	27.90	28.90	30.10	30.80
Sound <sup>3)</sup>	Sound Pressure			dB(A)	72.0 / 93.0	72.0 / 93.0	71.0 / 93.0	71.0 / 93.0	71.0 / 93.0	71.0 / 93.0
	Sound Power			dB(A)	-	-	-	-	-	-
External Dimension	Net Weight			kg	342.0 + 350.0	350.0 x 2	285.0 + 350.0 + 197.0	285.0 + 350.0 + 210.0	0.0 + 285.0 + 350.0	253.0 + 285.0 + 350.0
	Shipping Weight			kg	364.0 + 372.0	372.0 x 2	305.0 + 372.0 + 213.0	305.0 + 372.0 + 223.0	246.0 + 305.0 + 372.0	273.0 + 305.0 + 372.0
	Net Dimensions (WxHxD)			mm	(1,295 x 1,795 x 765) x 2	(1,295 x 1,795 x 765) x 2	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765 + 880 x 1,695 x 765	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765 + 880 x 1,695 x 765	(1,295 x 1,695 x 765) x 2 + 1,295 x 1,795 x 765	(1,295 x 1,695 x 765) x 2 + 1,295 x 1,795 x 765
	Shipping Dimensions (WxHxD)			mm	(1,363 x 1,987 x 832) x 2	(1,363 x 1,987 x 832) x 2	1,363 x 1,887 x 832 + 1,363 x 1,987 x 832 + 948 x 1,887 x 832	1,363 x 1,887 x 832 + 1,363 x 1,987 x 832 + 948 x 1,887 x 832	(1,363 x 1,887 x 832) x 2 + 1,363 x 1,987 x 832	(1,363 x 1,887 x 832) x 2 + 1,363 x 1,987 x 832
Operating Temp. Range	Cooling			°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating			°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

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 1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.  
 2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.  
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.  
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DVMS		DVM S HP	AM700KXVAGH	AM720KXVAGH	AM740KXVAGH	AM760KXVAGH	AM780KXVAGH	AM800KXVAGH	
Power Supply		Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	
Mode		-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP	HP	70.00	72.00	74.00	76.00	78.00	80.00	
		kW	196.00	201.60	207.20	212.80	218.40	224.20	
	Capacity (Nominal)	Cooling	Btu/h	668,800	687,900	707,000	726,100	745,200	765,000
		Heating	kW	220.50	226.80	233.10	239.40	245.70	252.00
Power	Power Input (Nominal)	Cooling <sup>1)</sup>	kW	52.65	54.23	57.40	57.15	58.96	60.73
		Heating <sup>2)</sup>	kW	49.20	51.20	53.99	54.71	55.29	57.47
	Current Input (Nominal)	Cooling <sup>1)</sup>	A	84.40	86.90	92.00	91.60	94.50	97.40
		Heating <sup>2)</sup>	A	78.90	82.10	86.60	87.70	88.70	92.20
	MCA		156.80 (MCA)	159.60 (MCA)	162.20 (MCA)	172.60 (MCA)	177.60 (MCA)	184.60 (MCA)	
	MFA		175.00	200.00	200.00	200.00	200.00	220.00	
COP	Nominal Cooling <sup>1)</sup>	-	3.72	3.72	3.61	3.72	3.70	3.69	
	Nominal Heating <sup>2)</sup>	-	4.48	4.43	4.32	4.38	4.44	4.38	
Compressor	Type	-	SSC Scroll x 5	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	
	Output	kW x n	(7.81) + (6.39x2) + (7.81x2)	(5.18x2) + (6.39x2) + (7.81x2)	(6.39x2) + (7.81x2)	(6.39x2) + (6.39x2) + (7.81x2)	(6.39x2) + (6.39x2) + (7.81x2)	(6.39x2) + (6.76x2) + (7.81x2)	
Fan	Model Name	-	DS4GJ5080FVA x 3 + DS-GB066FAVB x 2	DS-GB052FAVB x 2 + DS-GB066FAVB x 2 + DS4GJ5080FVA x 2	DS-GB066FAVB x 4 + DS4GJ5080FVA x 2	DS-GB066FAVB x 4 + DS4GJ5080FVA x 2	DS-GB066FAVB x 4 + DS4GJ5080FVA x 2	DS-GB066FAVB x 2 + DS-GB070FAVA x 2 + DS4GJ5080FVA x 2	
	Oil	Type	-	PVE	PVE	PVE	PVE	PVE	
	Initial Charge	cc	6400	7200	7200	7200	7200	7200	
Piping Connections	Type	-	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n	W	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	
	Air Flow Rate	CMM	290 x 2 + 340	290 x 2 + 340	290 x 2 + 340	290 + 340 x 2	290 + 340 x 2	290 + 340 x 2	
	Air Flow Rate	l/s	4,833.33 x 2 + 5,666.67	4,833.33 x 2 + 5,666.67	4,833.33 x 2 + 5,666.67	4,833.33 x 2 + 5,666.67 x 2	4,833.33 x 2 + 5,666.67 x 2	4,833.33 x 2 + 5,666.67 x 2	
External Static Pressure	Max.	mmAq	8.00	8.00	8.00	8.00	8.00	8.00	
	Pa	78.45	78.45	78.45	78.45	78.45	78.45		
Liquid Pipe	Φ, mm	22.22	22.22	22.22	22.22	22.22	22.22		
	Φ, inch	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"		
	Gas Pipe	Φ, mm	53.98	53.98	53.98	53.98	53.98		
		Φ, inch	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"		
	Discharge Gas Pipe	Φ, mm	-	-	-	-	-		
		Φ, inch	-	-	-	-	-		
Oil Equalizing Pipe	Φ, mm	-	-	-	-	-			
	Φ, inch	-	-	-	-	-			
Installation Limitation	Max. Length	m	200	200	200	200	200		
	Max. Height	m	110.0	110.0	110.0	110.0	110.0		
Field Wiring	Power Source Wire	mm <sup>2</sup>	-	-	-	-	-		
	Transmission Cable	mm <sup>2</sup>	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5		
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A		
	Factory Charging	kg	30.80	30.80	30.80	34.90	36.40		
Sound <sup>3)</sup>	Sound Pressure	dB(A)	71.0 / 94.0	72.0 / 94.0	72.0 / 94.0	72.0 / 94.0	72.0 / 94.0	73.0 / 94.0	
	Sound Power	dB(A)	-	-	-	-	-		
External Dimension	Net Weight	kg	255.0 + 285.0 + 350.0	277.0 + 285.0 + 350.0	285.0 x 2 + 350.0	285.0 + 333.0 + 350.0	285.0 + 333.0 + 350.0	285.0 + 342.0 + 350.0	
	Shipping Weight	kg	275.0 + 305.0 + 372.0	297.0 + 305.0 + 372.0	305.0 x 2 + 372.0	305.0 + 355.0 + 372.0	305.0 + 355.0 + 372.0	305.0 + 364.0 + 372.0	
	Net Dimensions (WxHxD)	mm	(1,295 x 1,695 x 765) x 2 + 1,295 x 1,795 x 765	(1,295 x 1,695 x 765) x 2 + 1,295 x 1,795 x 765	(1,295 x 1,695 x 765) x 2 + 1,295 x 1,795 x 765	1,295 x 1,695 x 765 + (1,295 x 1,795 x 765) x 2	1,295 x 1,695 x 765 + (1,295 x 1,795 x 765) x 2	1,295 x 1,695 x 765 + (1,295 x 1,795 x 765) x 2	
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	
	Heating	°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	

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 \* If you wish to install an outdoor unit module with a capacity of over 66 HP, then please contact your local Samsung Dealer.  
 1) Nominal cooling capacities are based on: Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.  
 2) Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.  
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.  
 4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not)  
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DIGITAL VARIABLE MULTI

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- New Communication Protocol

DVMS				DVM S HP	AM820KXVAGH	AM840KXVAGH	AM860KXVAGH	AM880KXVAGH	AM900KXVAGH
Power Supply				Φ, #, V, Hz	3,4.380-415,50	3,4.380-415,50	3,4.380-415,50	3,4.380-415,50	3,4.380-415,50
Mode					HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP	Cooling		HP	82.00	84.00	86.00	88.00	90.00
				kW	229.60	235.20	240.80	246.60	252.00
	Capacity (Nominal)	Heating		Btu/h	783,400	802,500	821,600	841,400	859,900
				kW	258.30	264.60	270.90	277.20	283.50
Power	Power Input (Nominal)	Cooling <sup>1)</sup>		kW	62.75	62.50	64.31	66.08	68.10
				Heating <sup>2)</sup>	57.88	58.60	59.18	61.36	61.77
	Current Input (Nominal)	Cooling <sup>1)</sup>		A	100.60	100.20	103.10	106.00	109.20
				Heating <sup>2)</sup>	92.80	93.90	94.90	98.40	99.00
	MCA				190.60 (MCA)	201.00 (MCA)	206.00 (MCA)	213.00 (MCA)	219.00 (MCA)
	MFA				220.00	220.00	250.00	250.00	250.00
COP	Nominal Cooling <sup>1)</sup>			-	3.66	3.76	3.74	3.73	3.70
	Nominal Heating <sup>2)</sup>			-	4.46	4.52	4.58	4.52	4.59
Compressor	Type			-	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6
	Output			-	(6.39x2) + (7.81x2)x2	(6.39x2) + (7.81x2)x2	(6.39x2) + (7.81x2)x2	(6.76x2) + (7.81x2)x2	(7.81x2)x3
	Model Name			-	DS-GB066FAVB x 2 + DS4GJ5080FVA x 4	DS-GB066FAVB x 2 + DS4GJ5080FVA x 4	DS-GB066FAVB x 2 + DS4GJ5080FVA x 4	DS-GB070FAVA x 2 + DS4GJ5080FVA x 4	DS4GJ5080FVA x 6
	Oil	Type		-	PVE	PVE	PVE	PVE	PVE
Fan	Initial Charge				7800	7800	7800	7800	8400
	Type			-	Propeller	Propeller	Propeller	Propeller	Propeller
	Output x n			-	W	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3
	Air Flow Rate			-	CMM	290 + 340 x 2	340 x 3	340 x 3	340 x 3
Piping Connections	External Static Pressure		Max.		mmAq	8.00	8.00	8.00	8.00
					Pa	78.45	78.45	78.45	78.45
	Liquid Pipe				Φ, mm	22.22	22.22	22.22	22.22
					Φ, inch	7/8"	7/8"	7/8"	7/8"
Field Wiring	Gas Pipe				Φ, mm	53.98	53.98	53.98	53.98
					Φ, inch	2 1/8"	2 1/8"	2 1/8"	2 1/8"
	Discharge Gas Pipe				Φ, mm	-	-	-	-
					Φ, inch	-	-	-	-
Refrigerant	Oil Equalizing Pipe				Φ, mm	-	-	-	-
					Φ, inch	-	-	-	-
	Installation Limitation		Max. Length		m	200	200	200	200
			Max. Height		m	110.0	110.0	110.0	110.0
Sound <sup>3)</sup>	Power Source Wire				mm <sup>2</sup>	-	-	-	-
	Transmission Cable				mm <sup>2</sup>	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
External Dimension	Type					R410A	R410A	R410A	R410A
	Factory Charging				kg	36.40	40.50	40.50	42.00
Operating Temp. Range	Sound Pressure				dB(A)	73.0 / 94.0	73.0 / 95.0	74.0 / 95.0	74.0 / 95.0
	Sound Power				dB(A)	-	-	-	-
Net Weight	Net Weight				kg	285.0 + 350.0 x 2	333.0 + 350.0 x 2	333.0 + 350.0 x 2	342.0 + 350.0 x 2
	Shipping Weight				kg	305.0 + 372.0 x 2	355.0 + 372.0 x 2	355.0 + 372.0 x 2	364.0 + 372.0 x 2
	Net Dimensions (WxHxD)				mm	1,295 x 1,695 x 765 + (1,295 x 1,795 x 765) x 2	(1,295 x 1,795 x 765) x 3	(1,295 x 1,795 x 765) x 3	(1,295 x 1,795 x 765) x 3
	Shipping Dimensions (WxHxD)				mm	1,363 x 1,887 x 832 + (1,363 x 1,987 x 832) x 2	(1,363 x 1,987 x 832) x 3	(1,363 x 1,987 x 832) x 3	(1,363 x 1,987 x 832) x 3
Operating Temp. Range	Cooling				°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating				°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

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DVMS				DVM S HP	AM080JXVHGR	AM100JXVHGR	AM120JXVHGR	AM140JXVHGR	AM160JXVHGR	AM180JXVHGR
Power Supply				Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode				-	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY
Performance	HP			HP	8.00	10.00	12.00	14.00	16.00	18.00
		Capacity (Nominal)	Cooling	kW	22.40	28.00	33.60	40.00	45.00	50.40
			Cooling	Btu/h	76,400	95,500	114,600	136,500	153,500	172,000
			Heating	kW	25.20	31.50	37.80	45.00	50.40	56.70
	Heating		Btu/h	86,000	107,500	129,000	153,500	172,000	193,500	
	Power	Power Input (Nominal)	Cooling <sup>1)</sup>	kW	4.59	6.22	7.57	10.55	10.92	11.51
Heating <sup>2)</sup>			kW	4.59	5.89	7.56	9.72	10.75	11.62	
Current Input (Nominal)		Cooling <sup>1)</sup>	A	7.40	10.00	12.10	16.90	17.50	18.50	
		Heating <sup>2)</sup>	A	7.40	9.40	12.10	15.60	17.20	18.60	
MCA				22.50 (MCA)	29.90 (MCA)	31.30 (MCA)	31.30 (MCA)	40.00 (MCA)	48.90 (MCA)	
MFA				30.00	40.00	40.00	40.00	50.00	50.00	
COP				-	4.88	4.50	4.44	3.79	4.12	4.38
				-	5.49	5.35	5.00	4.63	4.69	4.88
Compressor				-	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 2	SSC Scroll x 2
				-	(5.18)	(6.39)	(6.39)	(6.39)	(4.39x2)	(6.39x2)
				-	DS-GB052FAVBSG x 1	DS-GB066FAVBSG x 1	DS-GB066FAVBSG x 1	DS-GB066FAVBSG x 1	DS-GA046FAVBSG x 2	DS-GB066FAVBSG x 2
Oil				-	PVE	PVE	PVE	PVE	PVE	PVE
				-	1100	1100	1100	1100	1800	2200
Fan				-	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
				-	830.0 x 1	830.0 x 1	830.0 x 1	620.0 x 2	620.0 x 2	620.0 x 2
				-	170	170	220	255	255	290
				-	2,833.33	2,833.33	3,666.67	4,250.00	4,250.00	4,833.33
External Static Pressure				-	8.00	8.00	8.00	8.00	8.00	8.00
				-	78.45	78.45	78.45	78.45	78.45	78.45
Piping Connections				-	9.52	9.52	12.70	12.70	12.70	15.88
				-	3/8"	3/8"	1/2"	1/2"	1/2"	5/8"
				-	19.05	22.22	28.58	28.58	28.58	28.58
				-	3/4"	7/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"
				-	15.88	19.05	19.05	22.22	22.22	22.22
				-	5/8"	3/4"	3/4"	7/8"	7/8"	7/8"
				-	-	-	-	-	-	-
				-	-	-	-	-	-	-
				-	200	200	200	200	200	200
				-	110.0	110.0	110.0	110.0	110.0	110.0
Field Wiring				-	-	-	-	-	-	-
				-	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant				-	R410A	R410A	R410A	R410A	R410A	R410A
				-	6.50	6.50	6.50	7.70	7.70	8.40
Sound <sup>3)</sup>				-	57.0	58.0	62.0	61.0	62.0	63.0
				-	77.0	79.0	81.0	81.0	82.0	85.0
External Dimension				-	206.0	206.0	206.0	241.0	272.0	306.0
				-	222.0	222.0	222.0	260.0	291.0	325.0
				-	880 x 1,695 x 765	880 x 1,695 x 765	880 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765
			-	948 x 1,887 x 832	948 x 1,887 x 832	948 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832	
Operating Temp. Range				-	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0
				-	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

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2) Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)

\* PDM kit : Pressure Drop Modulation kit.

5) MCA : Minimum Circuit Amps., MFA : Maximum Fuse Amps.

\* These products contain R410A which is fluorinated greenhouse gas.

# DVMS LINE UP \_Outdoor Unit



## DVMS HR

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

DVMS				DVM S HP	AM200JXVHGR	AM220JXVHGR	AM240JXVHGR1EU	AM260JXVHGR1EU	AM280JXVHGR1EU	AM300JXVHGR1EU
Power Supply				Φ, #, V, Hz	3,4.380-415,50	3,4.380-415,50	3,4.380-415,50	3,4.380-415,50	3,4.380-415,50	3,4.380-415,50
Mode				-	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY
Performance	HP			HP	20.00	22.00	24.00	26.00	28.00	30.00
				kW	56.00	61.60	67.20	73.60	78.60	84.00
	Capacity (Nominal)	Cooling	Btu/h	191,100	210,200	229,300	251,100	268,200	286,600	286,600
		Heating	Btu/h	63.00	69.30	75.60	82.80	88.20	94.50	94.50
Power	Power Input (Nominal)	Cooling <sup>1)</sup>	kW	13.05	15.75	15.14	18.12	18.49	19.08	19.08
		Heating <sup>2)</sup>	kW	13.10	15.86	15.12	17.28	18.31	19.18	19.18
	Current Input (Nominal)	Cooling <sup>1)</sup>	A	20.90	25.30	24.20	29.00	29.60	30.60	30.60
		Heating <sup>2)</sup>	A	21.00	25.40	24.20	27.70	29.30	30.70	30.70
	MCA			52.50 (MCA)	55.60 (MCA)	60.50 (MCA)	63.80 (MCA)	71.30 (MCA)	80.20 (MCA)	80.20 (MCA)
	MFA			75.00	75.00	75.00	75.00	75.00	90.00	90.00
COP			-	4.29	3.91	4.44	4.06	4.25	4.40	4.40
			-	4.81	4.37	5.00	4.79	4.82	4.93	4.93
Compressor			-	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 3
			-	(6.39x2)	(6.39x2)	(6.39)x2	(6.39) + (6.39)	(6.39) + (6.39x2)	(6.39) + (6.39x2)	(6.39) + (6.39x2)
			-	DS-GB066FAVBSG x 2	DS-GB066FAVBSG x 2	DS-GB066FAVBSG x 2	DS-GB066FAVBSG x 2	DS-GB066FAVBSG x 1 + DS-GA046FAVASG x 2	DS-GB066FAVBSG x 3	DS-GB066FAVBSG x 3
Oil			-	PVE	PVE	PVE	PVE	PVE	PVE	PVE
			-	2200	2200	2200	2200	2900	3300	3300
Fan			-	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
			-	620.0 x 2	620.0 x 2	(830.0 x 1) x 2	620.0 x 2 + 830.0 x 1	830.0 x 1 + 620.0 x 2	830.0 x 1 + 620.0 x 2	830.0 x 1 + 620.0 x 2
			-	290	290	220 x 2	255 + 220	220 + 255	220 + 290	220 + 290
			-	4,833.33	4,833.33	3,666.67 x 2	4,250.00 + 3,666.67	3,666.67 + 4,250.00	3,666.67 + 4,833.33	3,666.67 + 4,833.33
Piping Connections	Liquid Pipe			Φ, mm	15.88	15.88	15.88	19.05	19.05	19.05
				Φ, inch	5/8"	5/8"	5/8"	3/4"	3/4"	3/4"
	Gas Pipe			Φ, mm	28.58	28.58	34.92	34.92	34.92	34.92
				Φ, inch	1 1/8"	1 1/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"
	Discharge Gas Pipe			Φ, mm	28.58	28.58	28.58	28.58	28.58	28.58
				Φ, inch	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"
	Oil Equalizing Pipe			Φ, mm	-	-	-	-	-	-
				Φ, inch	-	-	-	-	-	-
	Installation Limitation			-	200	200	200	200	200	200
				-	110.0	110.0	110.0	110.0	110.0	110.0
Field Wiring			-	mm <sup>2</sup>	-	-	-	-	-	-
			-	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant			-	R410A	R410A	R410A	R410A	R410A	R410A	R410A
			-	8.40	8.40	13.00	14.20	14.20	14.90	14.90
Sound <sup>3)</sup>			-	64.0	65.0	65.0	65.0	65.0	66.0	66.0
			-	86.0	88.0	84.0	84.0	85.0	86.0	86.0
External Dimension			-	306.0	306.0	206.0 x 2	241.0 + 206.0	206.0 + 272.0	206.0 + 306.0	206.0 + 306.0
			-	325.0	325.0	222.0 x 2	260.0 + 222.0	222.0 + 291.0	222.0 + 325.0	222.0 + 325.0
			-	1,295 x 1,695 x 765	1,295 x 1,695 x 765	(880 x 1,695 x 765) x 2	1,295 x 1,695 x 765 + 880 x 1,695 x 765	880 x 1,695 x 765 + 1,295 x 1,695 x 765	880 x 1,695 x 765 + 1,295 x 1,695 x 765	880 x 1,695 x 765 + 1,295 x 1,695 x 765
			-	1,363 x 1,887 x 832	1,363 x 1,887 x 832	(948 x 1,887 x 832) x 2	1,363 x 1,887 x 832 + 948 x 1,887 x 832	948 x 1,887 x 832 + 1,363 x 1,887 x 832	948 x 1,887 x 832 + 1,363 x 1,887 x 832	948 x 1,887 x 832 + 1,363 x 1,887 x 832
Operating Temp. Range			-	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0
			-	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

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 2) Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.  
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.  
 4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)  
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## DVMS HR

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

DVMS			DVM S HP	AM320JXVHGR1EU	AM340JXVHGR1EU	AM360JXVHGR1EU	AM380JXVHGR1EU	AM400JXVHGR1EU	AM420JXVHGR1EU	
Power Supply			Φ, #, V, Hz	3,4.380-415,50	3,4.380-415,50	3,4.380-415,50	3,4.380-415,50	3,4.380-415,50	3,4.380-415,50	
Mode			-	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	
Performance	HP	HP	HP	32.00	34.00	34.00	38.00	40.00	42.00	
		kW	kW	89.60	95.20	101.60	106.60	112.00	117.60	
	Capacity (Nominal)	Cooling	Btu/h	305,700	324,800	346,700	363,700	382,200	401,300	
		Heating	Btu/h	100.80	107.10	114.30	119.70	126.00	132.30	
Power	Power Input (Nominal)	Cooling <sup>1)</sup>	kW	20.62	23.32	26.30	26.67	26.10	28.80	
		Heating <sup>2)</sup>	kW	20.66	23.42	25.58	26.61	26.20	28.96	
	Current Input (Nominal)	Cooling <sup>1)</sup>	A	33.00	37.40	42.20	42.80	41.80	46.20	
		Heating <sup>2)</sup>	A	33.10	37.50	41.00	42.60	42.00	46.40	
	MCA			83.80 (MCA)	86.90 (MCA)	86.90 (MCA)	95.60 (MCA)	95.10 (MCA)	108.10 (MCA)	
	MFA			90.00	90.00	90.00	100.00	100.00	125.00	
COP	Nominal Cooling <sup>1)</sup>	-	-	4.35	4.08	3.86	4.00	4.29	4.08	
	Nominal Heating <sup>2)</sup>	-	-	4.88	4.57	4.47	4.50	4.81	4.57	
Compressor	Type	-	-	SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4	
	Output			(6.39) + (6.39x2)	(6.39) + (6.39x2)	(6.39) + (6.39x2)	(4.39x2) + (6.39x2)	(6.39x2)x2	(6.39x2) + (6.39x2)	
	Model Name	-	-	DS-GB066FAVBSSG x 3	DS-GB066FAVBSSG x 3	DS-GB066FAVBSSG x 3	DS-GA046FAVASSG x 2 + DS-GB066FAVBSSG x 2	DS-GB066FAVBSSG x 4	DS-GB066FAVBSSG x 4	
	Oil	Type	-	-	PVE	PVE	PVE	PVE	PVE	
	Initial Charge	cc	cc	3300	3300	3300	4000	4400	4400	
Fan	Type	-	-	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n			W	830.0 x 1 + 620.0 x 2	830.0 x 1 + 620.0 x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	
	Air Flow Rate			CMM	220 + 290	220 + 290	255 + 290	255 + 290	290 x 2	
	External Static Pressure	Max.		mmAq	3,666.67 + 4,833.33	3,666.67 + 4,833.33	4,250.00 + 4,833.33	4,250.00 + 4,833.33	4,833.33 x 2	
Piping Connections	Liquid Pipe	Φ, mm	mm	19.05	19.05	19.05	19.05	19.05	19.05	
		Φ, inch	inch	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	
	Gas Pipe	Φ, mm	mm	34.92	34.92	41.28	41.28	41.28	41.28	
		Φ, inch	inch	1 3/8"	1 3/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"	
	Discharge Gas Pipe	Φ, mm	mm	28.58	28.58	34.92	34.92	34.92	34.92	
		Φ, inch	inch	1 1/8"	1 1/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"	
	Oil Equalizing Pipe	Φ, mm	mm	-	-	-	-	-	-	
		Φ, inch	inch	-	-	-	-	-	-	
	Installation Limitation	Max. Length	m	m	200	200	200	200	200	200
		Max. Height	m	m	110.0	110.0	110.0	110.0	110.0	110.0
Field Wiring	Power Source Wire	mm <sup>2</sup>	mm <sup>2</sup>	-	-	-	-	-	-	
	Transmission Cable	mm <sup>2</sup>	mm <sup>2</sup>	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	
Refrigerant	Type	-	-	R410A	R410A	R410A	R410A	R410A	R410A	
	Factory Charging	kg	kg	14.90	14.90	16.10	16.10	16.80	16.80	
Sound <sup>3)</sup>	Sound Pressure	dB(A)	dB(A)	66.0	67.0	66.0	67.0	67.0	68.0	
	Sound Power	dB(A)	dB(A)	87.0	89.0	89.0	89.0	89.0	90.0	
External Dimension	Net Weight	kg	kg	206.0 + 306.0	206.0 + 306.0	241.0 + 306.0	272.0 + 306.0	306.0 x 2	306.0 x 2	
	Shipping Weight	kg	kg	222.0 + 325.0	222.0 + 325.0	260.0 + 325.0	291.0 + 325.0	325.0 x 2	325.0 x 2	
	Net Dimensions (WxHxD)	mm	mm	880 x 1,695 x 765 + 1,295 x 1,695 x 765	880 x 1,695 x 765 + 1,295 x 1,695 x 765	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	
	Shipping Dimensions (WxHxD)	mm	mm	948 x 1,887 x 832 + 1,363 x 1,887 x 832	948 x 1,887 x 832 + 1,363 x 1,887 x 832	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	
Operating Temp. Range	Cooling	°C	°C	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0	
	Heating	°C	°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	

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 2) Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.  
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DIGITAL VARIABLE MULTI

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- High Efficiency
- Smart Management
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- New Communication Protocol

DVMS				Model Code	DVM S HP	AM440JXVHGR1EU	AM460JXVHGR1EU	AM480JXVHGR1EU	AM500JXVHGR1EU	AM520JXVHGR1EU	AM540JXVHGR1EU	
Power Supply					Φ, #, V, Hz	3,4.380-415.50	3,4.380-415.50	3,4.380-415.50	3,4.380-415.50	3,4.380-415.50	3,4.380-415.50	
Mode					-	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	
Performance	HP				HP	44.00	46.00	48.00	50.00	52.00	54.00	
					kW	123.20	128.80	135.20	140.20	145.60	151.20	
	Capacity (Nominal)	Cooling			Btu/h	420,400	439,500	461,300	478,400	496,800	515,900	
		Heating			kW	138.60	144.90	152.10	157.50	163.80	170.10	
					Btu/h	472,900	494,400	519,000	537,400	558,900	580,400	
Power	Power Input (Nominal)	Cooling <sup>1)</sup>			kW	31.50	30.89	33.87	34.24	34.83	36.37	
		Heating <sup>2)</sup>			kW	31.72	30.98	33.14	34.17	35.04	36.52	
	Current Input (Nominal)	Cooling <sup>1)</sup>			A	50.60	49.50	54.30	54.90	55.90	58.30	
		Heating <sup>2)</sup>			A	50.80	49.60	53.10	54.70	56.10	58.50	
	MCA					A	111.20 (MCA)	118.20 (MCA)	118.20 (MCA)	126.90 (MCA)	135.80 (MCA)	139.40 (MCA)
	MFA					A	125.00	125.00	125.00	150.00	150.00	150.00
COP	Nominal Cooling <sup>1)</sup>				-	3.91	4.17	3.99	4.09	4.18	4.16	
	Nominal Heating <sup>2)</sup>				-	4.37	4.68	4.59	4.61	4.67	4.66	
Compressor	Type				-	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 5	SSC Scroll x 5	SSC Scroll x 5	
	Output				-	kW x n	(6.39x2)	(6.39) + (6.39x2)	(6.39) + (4.39x2) + (6.39x2)	(6.39) + (6.39x2) + (6.39x2)	(6.39) + (6.39x2) + (6.39x2)	
	Model Name				-	-	DS-GB066FAVBSG x 4	DS-GB066FAVBSG x 4	DS-GB066FAVBSG x 3 + DS-GA046FAVBSG x 2	DS-GB066FAVBSG x 5	DS-GB066FAVBSG x 5	
	Oil		Type		-	cc	PVE	PVE	PVE	PVE	PVE	
		Initial Charge		-	cc	4400	4400	4400	5100	5500	5500	
Fan	Type				-	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n				-	W	(620.0 x 2) x 2	(830.0 x 1) x 2 + 620.0 x 2	(620.0 x 2) x 2 + 830.0 x 1	830.0 x 1 + (620.0 x 2) x 2	830.0 x 1 + (620.0 x 2) x 2	
	Air Flow Rate				-	CMM	290 x 2	220 x 2 + 290	255 + 220 + 290	220 + 290 x 2	220 + 290 x 2	
	External Static Pressure		Max.		-	mmAq	4,833.33 x 2	3,666.67 x 2 + 4,833.33	4,250.00 + 3,666.67 + 4,833.33	3,666.67 + 4,250.00 + 4,833.33	3,666.67 + 4,833.33 x 2	
Piping Connections	Liquid Pipe				-	Φ, mm	8.00	8.00	8.00	8.00	8.00	
					-	Φ, inch	3/4"	3/4"	3/4"	3/4"	3/4"	
	Gas Pipe				-	Φ, mm	19.05	19.05	19.05	19.05	19.05	
					-	Φ, inch	3/4"	3/4"	3/4"	3/4"	3/4"	
	Discharge Gas Pipe				-	Φ, mm	41.28	41.28	41.28	41.28	41.28	
					-	Φ, inch	1 5/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"	
	Oil Equalizing Pipe				-	Φ, mm	34.92	34.92	34.92	34.92	34.92	
					-	Φ, inch	1 3/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"	
Field Wiring	Power Source Wire				-	mm <sup>2</sup>	-	-	-	-	-	
	Transmission Cable				-	mm <sup>2</sup>	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	
Refrigerant	Type				-	-	R410A	R410A	R410A	R410A	R410A	
	Factory Charging				-	kg	16.80	21.40	22.60	23.30	23.30	
Sound <sup>3)</sup>	Sound Pressure				-	dB(A)	68.0	68.0	68.0	68.0	69.0	
	Sound Power				-	dB(A)	91.0	89.0	89.0	90.0	91.0	
External Dimension	Net Weight				-	kg	306.0 x 2	206.0 x 2 + 306.0	241.0 + 206.0 + 306.0	206.0 + 272.0 + 306.0	206.0 + 306.0 x 2	
	Shipping Weight				-	kg	325.0 x 2	222.0 x 2 + 325.0	260.0 + 222.0 + 325.0	222.0 + 291.0 + 325.0	222.0 + 325.0 x 2	
	Net Dimensions (WxHxD)				-	mm	(1,295 x 1,695 x 765) x 2	(880 x 1,695 x 765) x 2 + 1,295 x 1,695 x 765	(1,295 x 1,695 x 765) x 2 + 880 x 1,695 x 765	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2	
Shipping Dimensions (WxHxD)				-	mm	(1,363 x 1,887 x 832) x 2	(948 x 1,887 x 832) x 2 + 1,363 x 1,887 x 832	(1,363 x 1,887 x 832) x 2 + 948 x 1,887 x 832	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 2	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 2		
Operating Temp. Range	Cooling				-	°C	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0	
	Heating				-	°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	

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 2) Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.  
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.  
 4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)  
 \* PDM kit : Pressure Drop Modulation kit.  
 5) MCA : Minimum Circuit Amps., MFA : Maximum Fuse Amps.  
 \* These products contain R410A which is fluorinated greenhouse gas.

# DVMS LINE UP \_Outdoor Unit



## DVMS HR

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

DVMS		DVM S HP	AM560JXVHGR1EU	AM580JXVHGR1EU	AM600JXVHGR1EU	AM620JXVHGR1EU	AM640JXVHGR1EU	AM660JXVHGR1EU	
Power Supply		Φ, #, V, Hz	3,4.380-415,50	3,4.380-415,50	3,4.380-415,50	3,4.380-415,50	3,4.380-415,50	3,4.380-415,50	
Mode		-	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	
Performance	HP	HP	56.00	58.00	60.00	62.00	64.00	66.00	
		kW	156.80	163.20	168.20	173.60	179.20	184.80	
	Capacity (Nominal)	Cooling	Btu/h	535,000	556,900	573,900	592,300	611,500	630,600
		Heating	kW	176.40	183.60	189.00	195.30	201.60	207.90
		Btu/h	601,900	626,500	644,900	666,400	687,900	709,400	
Power	Power Input (Nominal)	Cooling <sup>1)</sup>	kW	39.07	42.05	42.42	41.85	44.55	47.25
		Heating <sup>2)</sup>	kW	39.28	41.44	42.47	42.06	44.82	47.58
	Current Input (Nominal)	Cooling <sup>1)</sup>	A	62.70	67.50	68.10	67.10	71.50	75.90
		Heating <sup>2)</sup>	A	62.90	66.40	68.00	67.40	71.80	76.20
	MCA	A	142.50 (MCA)	142.50 (MCA)	151.20 (MCA)	160.60 (MCA)	163.70 (MCA)	166.80 (MCA)	
MFA	A	150.00	150.00	200.00	200.00	200.00	200.00		
COP	Nominal Cooling <sup>1)</sup>	-	4.01	3.88	3.97	4.15	4.02	3.91	
	Nominal Heating <sup>2)</sup>	-	4.49	4.43	4.45	4.64	4.50	4.37	
Compressor	Type	-	SSC Scroll x 5	SSC Scroll x 5	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	
	Output	kW x n	(6.39) + (6.39x2)x2	(6.39) + (6.39x2)x2	(4.39x2) + (6.39x2)x2	(6.39x2)x2 + (6.39x2)	(6.39x2) + (6.39x2)x2	(6.39x2)x3	
	Model Name	-	DS-GB066FAVBSG x 5	DS-GB066FAVBSG x 5	DS-GA046FAVAG x 2 + DS-GB066FAVBSG x 4	DS-GB066FAVBSG x 6	DS-GB066FAVBSG x 6	DS-GB066FAVBSG x 6	
Oil	Type	-	PVE	PVE	PVE	PVE	PVE	PVE	
	Initial Charge	cc	5500	5500	6200	6600	6600	6600	
Fan	Type	-	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n	W	830.0 x 1 + (620.0 x 2) x 2	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	
	Air Flow Rate	CMM	220 + 290 x 2	255 + 290 x 2	255 + 290 x 2	290 x 3	290 x 3	290 x 3	
		l/s	3,666.67 + 4,833.33 x 2	4,250.00 + 4,833.33 x 2	4,250.00 + 4,833.33 x 2	4,833.33 x 3	4,833.33 x 3	4,833.33 x 3	
External Static Pressure	Max.	mmAq	8.00	8.00	8.00	8.00	8.00	8.00	
		Pa	78.45	78.45	78.45	78.45	78.45	78.45	
Piping Connections	Liquid Pipe	Φ, mm	19.05	19.05	19.05	22.22	22.22	22.22	
		Φ, inch	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"	
	Gas Pipe	Φ, mm	41.28	41.28	41.28	53.98	53.98	53.98	
		Φ, inch	1 5/8"	1 5/8"	1 5/8"	2 1/8"	2 1/8"	2 1/8"	
	Discharge Gas Pipe	Φ, mm	34.92	34.92	34.92	41.28	41.28	41.28	
		Φ, inch	1 3/8"	1 3/8"	1 3/8"	1 5/8"	1 5/8"	1 5/8"	
	Oil Equalizing Pipe	Φ, mm	-	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	-	
Installation Limitation	Max. Length	m	200	200	200	200	200		
	Max. Height	m	110.0	110.0	110.0	110.0	110.0		
Field Wiring	Power Source Wire	mm <sup>2</sup>	-	-	-	-	-		
	Transmission Cable	mm <sup>2</sup>	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5		
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A		
	Factory Charging	kg	23.30	24.50	24.50	25.20	25.20		
Sound <sup>3)</sup>	Sound Pressure	dB(A)	69.0	69.0	69.0	69.0	70.0		
	Sound Power	dB(A)	91.0	91.0	92.0	92.0	92.0		
External Dimension	Net Weight	kg	206.0 + 306.0 x 2	241.0 + 306.0 x 2	272.0 + 306.0 x 2	306.0 x 3	306.0 x 3		
	Shipping Weight	kg	222.0 + 325.0 x 2	260.0 + 325.0 x 2	291.0 + 325.0 x 2	325.0 x 3	325.0 x 3		
	Net Dimensions (WxHxD)	mm	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3		
	Shipping Dimensions (WxHxD)	mm	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3		
Operating Temp. Range	Cooling	°C	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0		
	Heating	°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0		

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2) Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)

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# DVMS LINE UP \_Outdoor Unit



## DVMS HR

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

DVMS		DVM S HP	AM680JXVHGR1EU	AM700JXVHGR1EU	AM720JXVHGR1EU	AM740JXVHGR1EU	AM760JXVHGR1EU	AM780JXVHGR1EU	AM800JXVHGR1EU	
Power Supply		Φ, #, V, Hz	3,4.380-415,50	3,4.380-415,50	3,4.380-415,50	3,4.380-415,50	3,4.380-415,50	3,4.380-415,50	3,4.380-415,50	
Mode		-	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	
Performance	HP	HP	68.00	70.00	72.00	74.00	76.00	78.00	80.00	
		kW	190.40	196.80	201.80	207.20	212.80	218.40	224.80	
	Capacity (Nominal)	Cooling	Btu/h	649,700	671,500	688,600	707,000	726,100	745,200	767,000
		Heating	Btu/h	214.20	221.40	226.80	233.10	239.40	245.70	252.90
Power	Power Input (Nominal)	Cooling <sup>1)</sup>	kW	46.64	49.62	49.99	50.58	52.12	54.82	57.80
		Heating <sup>2)</sup>	kW	46.84	49.00	50.03	50.90	52.38	55.14	57.30
	Current Input (Nominal)	Cooling <sup>1)</sup>	A	74.80	79.60	80.20	81.20	83.60	88.00	92.80
		Heating <sup>2)</sup>	A	75.00	78.50	80.10	81.50	83.90	88.30	91.80
	MCA		173.80 (MCA)	173.80 (MCA)	182.50 (MCA)	191.40 (MCA)	195.00 (MCA)	198.10 (MCA)	198.10 (MCA)	
	MFA		200.00	200.00	200.00	200.00	200.00	200.00	200.00	
COP	Nominal Cooling <sup>1)</sup>	-	4.08	3.97	4.04	4.10	4.08	3.98	3.89	
	Nominal Heating <sup>2)</sup>	-	4.57	4.52	4.53	4.58	4.57	4.46	4.41	
Compressor	Type	-	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 7	SSC Scroll x 7	SSC Scroll x 7	SSC Scroll x 7	SSC Scroll x 7	
	Output	kW x n	(6.39x2) + (6.39x2)x2	(6.39) + (6.39) + (6.39x2)x2	(6.39) + (4.39x2) + (6.39x2)x2	(6.39) + (6.39x2) + (6.39x2)x2	(6.39) + (6.39x2) + (6.39x2)x2	(6.39) + (6.39x2)x3	(6.39) + (6.39x2)x3	
	Model Name	-	DS-GB066FAVBSG x 6	DS-GB066FAVBSG x 6	DS-GB066FAVBSG x 5 + DS-GA046FAVASG x 2	DS-GB066FAVBSG x 7	DS-GB066FAVBSG x 7	DS-GB066FAVBSG x 7	DS-GB066FAVBSG x 7	
	Oil	Type	PVE	PVE	PVE	PVE	PVE	PVE	PVE	
Fan	Initial Charge	cc	6600	6600	7300	7700	7700	7700	7700	
		Type	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n	W	(830.0 x 1) x 2 + (620.0 x 2) x 2	(620.0 x 2) x 3 + 830.0 x 1	830.0 x 1 + (620.0 x 2) x 3	830.0 x 1 + (620.0 x 2) x 3	830.0 x 1 + (620.0 x 2) x 3	830.0 x 1 + (620.0 x 2) x 3	(620.0 x 2) x 4	
	Air Flow Rate	CMM	220 x 2 + 290 x 2	255 + 220 + 290 x 2	220 + 255 + 290 x 2	220 + 290 x 3	220 + 290 x 3	220 + 290 x 3	255 + 290 x 3	
External Static Pressure	Max.	mmAq	8.00	8.00	8.00	8.00	8.00	8.00	8.00	
		Pa	78.45	78.45	78.45	78.45	78.45	78.45	78.45	
	Liquid Pipe	Φ, mm	22.22	22.22	22.22	22.22	22.22	22.22	22.22	
		Φ, inch	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	
Gas Pipe	Φ, mm	53.98	53.98	53.98	53.98	53.98	53.98	53.98		
	Φ, inch	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"		
Piping Connections	Discharge Gas Pipe	Φ, mm	41.28	41.28	41.28	41.28	41.28	41.28	41.28	
		Φ, inch	1 5/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"	
	Oil Equalizing Pipe	Φ, mm	-	-	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	-	-	
Installation Limitation	Max. Length	m	200	200	200	200	200	200		
	Max. Height	m	110.0	110.0	110.0	110.0	110.0	110.0		
Field Wiring	Power Source Wire	mm <sup>2</sup>	-	-	-	-	-	-		
	Transmission Cable	mm <sup>2</sup>	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5		
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A	R410A		
	Factory Charging	kg	29.80	31.00	31.00	31.70	31.70	31.70	32.90	
Sound <sup>3)</sup>	Sound Pressure	dB(A)	70.0	70.0	70.0	70.0	70.0	70.0		
	Sound Power	dB(A)	92.0	92.0	92.0	92.0	93.0	93.0		
External Dimension	Net Weight	kg	206.0 x 2 + 306.0 x 2	241.0 + 206.0 + 306.0 x 2	206.0 + 272.0 + 306.0 x 2	206.0 + 306.0 x 3	206.0 + 306.0 x 3	206.0 + 306.0 x 3	241.0 + 306.0 x 3	
	Shipping Weight	kg	222.0 x 2 + 325.0 x 2	260.0 + 222.0 + 325.0 x 2	222.0 + 291.0 + 325.0 x 2	222.0 + 325.0 x 3	222.0 + 325.0 x 3	222.0 + 325.0 x 3	260.0 + 325.0 x 3	
	Net Dimensions (WxHxD)	mm	(880 x 1,695 x 765) x 2 + (1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 3 + 880 x 1,695 x 765	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 4	
	Shipping Dimensions (WxHxD)	mm	(948 x 1,887 x 832) x 2 + (1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 3 + 948 x 1,887 x 832	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 3	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 3	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 3	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 4	
Operating Temp. Range	Cooling	°C	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0	
	Heating	°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	

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 2) Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.  
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.  
 4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)  
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 \* These products contain R410A which is fluorinated greenhouse gas.

# DVMS LINE UP \_Outdoor Unit



## DVMS Chiller

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

DVMS				DVM S HP	AG042KSVANH/EU	AG056KSVANH/EU	AG070KSVANH/EU	AG042KSVGNH	AG056KSVGNH	AG070KSVGNH
Power Supply				Φ, #, V, Hz	3,4,380,60	3,4,380,60	3,4,380,60			
Mode				-	HEAT PUMP	HEAT PUMP	HEAT PUMP			
Performance	HP				15	20	25			
	RT			usRT	12	16	18			
	Capacity (Nominal)	Cooling		kW	42.0	56.0	65.0			
Heating			kW	42.0	56.0	70				
Power	Power Input	Cooling		kW	10.77	16.47	21.67			
		Heating		kW	10.37	15.14	21.20			
	Current Input	Cooling		A	18.0	27.5	36.50			
		Heating		A	17.3	25.3	35.40			
COP	Nominal Cooling			W/W	3.90	3.40	3.00			
	Nominal Heating			W/W	4.05	3.70	3.30			
Energy Efficiency	ESEER			W/W	5.7	5.4	5.0			
	Type			-	Scroll Inverter	Scroll Inverter	Scroll Inverter			
Compressor	Output			kW x n	6.76x2	6.76x2	6.76x2			
	Oil		Type	-	PVE	PVE	PVE			
Fan	Type			-	Propeller	Propeller	Propeller			
	Output x n			W	630 x 2	630 x 2	630 x 2			
	Air Flow Rate			CMM	364 (182 x 2)	364 (182 x 2)	392 (196 x 2)			
	External Static Pressure		Max.	mmaq	78.5	78.5	78.5			
Water Side Heat Exchanger	Type			-	Brazing Plate	Brazing Plate	Brazing Plate			
	Water Flow (Cooling/Heating)			LPM	120	100	120			
	Pressure Drop			kPa	60	100	120			
	Max Operating Pressure			MPa	1.0	1.0	1.0			
	Connection Type			-	FLANGE	FLANGE	FLANGE			
	Pipe(Inlet/Outlet)			A	40	40	50			
Refrigerant	Q <sup>1</sup> ty			EA	2	2	2			
	Type			-	R410A	R410A	R410A			
Sound	Factory Charging			kg	18	18	18			
	Sound Pressure			dB(A)	60	62	63			
External Dimension	Sound Power			dB(A)	69	72	75			
	Net Weight			kg	446	446	465			
Operating Water Temp. Range	Shipping Weight			kg	468	468	487			
	Cooling			°C	5 ~ 25	5 ~ 25	5 ~ 25			
	Cooling (if using brine)			°C	-10 ~ 25	-10 ~ 25	-10 ~ 25			
Operating Amb. Temp. Range	Heating			°C	25 ~ 55	25 ~ 55	25 ~ 55			
	Cooling			°C	-15 ~ 48	-15 ~ 48	-15 ~ 48			
	Heating			°C	-25 ~ 43	-25 ~ 43	-25 ~ 43			

TBD

\* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.  
 \* If you wish to install an outdoor unit module with a capacity of over 66 HP, then please contact your local Samsung Dealer.  
 1) Nominal cooling capacities are based on: Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.  
 2) Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.  
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.  
 4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)  
 \* PDM kit : Pressure Drop Modulation kit.  
 5) MCA : Minimum Circuit Amps., MFA : Maximum Fuse Amps.  
 \* These products contain R410A which is fluorinated greenhouse gas.

# DVMS LINE UP \_Outdoor Unit



## DVMS WATER

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter) System
- High-Efficient Plate Heat Exchanger
- Long Pipe Length
- Saving Installation Space
- Auto Commissioning Manager
- Optimal Water Flow Controller
- Simultaneous Cooling and Heating
- Geothermal Application

DVMS WATER			AM080FXWANR/EU	AM100FXWANR/EU	AM120FXWANR/EU	AM160FXWANR/EU	AM180FXWANR/EU	AM200FXWANR/EU		
Model Code	DVM S HP		AM080FXWANR/EU	AM100FXWANR/EU	AM120FXWANR/EU	AM160FXWANR/EU	AM180FXWANR/EU	AM200FXWANR/EU		
Power Supply	Φ, #, V, Hz		3,4.380-415.50/60	3,4.380-415.50/60	3,4.380-415.50/60	3,4.380-415.50/60	3,4.380-415.50/60	3,4.380-415.50/60		
Mode	-		"HEAT PUMP & HEAT RECOVERY"	"HEAT PUMP & HEAT RECOVERY"	"HEAT PUMP & HEAT RECOVERY"	"HEAT PUMP & HEAT RECOVERY"	"HEAT PUMP & HEAT RECOVERY"	"HEAT PUMP & HEAT RECOVERY"		
Performance	HP	HP	8.0	10.0	12.0	16.0	18.0	20.0		
	Ton	Ton	6.37	7.96	9.55	12.74	14.33	15.92		
	Capacity (Nominal)	Cooling	kW	22.40	28.00	33.60	44.80	50.40	56.00	
			Btu/h	76,400	95,500	114,600	152,900	172,000	191,100	
		Heating <sup>2)</sup>	kW	25.20	31.50	37.80	50.40	56.70	63.00	
			Btu/h	86,000	107,500	129,000	172,000	193,500	215,000	
Power	Power Input (Nominal)	Cooling <sup>1)</sup>	kW	3.84	5.05	6.46	7.68	8.89	10.77	
			Heating <sup>2)</sup>	kW	4.12	5.25	6.51	8.24	9.37	10.86
			Heating <sup>4)</sup>	kW	4.65	5.70	7.05			
	Current Input (Nominal)	Cooling <sup>1)</sup>	A	6.20	8.10	10.30	12.40	14.30	17.30	
			Heating <sup>2)</sup>	A	6.60	8.40	10.40	13.20	15.00	17.40
	MCA			16.30 (MCA)	20.00 (MCA)	25.00 (MCA)	32.60 (MCA)	36.30 (MCA)	39.80 (MCA)	
MFA			20.00	20.00	30.00	40.00	40.00	40.00		
COP	Nominal Cooling <sup>1)</sup>	-	5.83	5.54	5.20	5.83	5.67	5.20		
	Nominal Heating <sup>2)</sup>	-	6.12	6.00	5.81	6.12	6.05	5.80		
	Nominal Heating <sup>4)</sup>	-	4.65	4.52	4.41					
Compressor	Type	-	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2		
	Output	kW x n	(4.96)	(4.96)	(6.13)	(4.96)x2	(4.96) + (4.96)	(4.96)x2		
	Model Name	-	DS-GB052FAVBSG x 1	DS-GB052FAVBSG x 1	DS-GB066FAVBSG x 1	DS-GB052FAVB x 2	DS-GB052FAVB x 2	DS-GB052FAVBSG x 2		
Oil	Type	-	PVE	PVE	PVE	PVE	PVE	PVE		
	Initial Charge	cc	2300	2300	2300	4600	4600	4600		
Condenser	Type	-	PHE(Stainless Steel Plate)	PHE(Stainless Steel Plate)	PHE(Stainless Steel Plate)	PHE(Stainless Steel Plate)	PHE(Stainless Steel Plate)	PHE(Stainless Steel Plate)		
	Pipe Size	Ø, inch	1 1/4"	1 1/4"	1 1/4"	32.0 x 2	32.0 x 2	1 1/4"		
	Lost Head	kPa	22.0	30.0	43.0	22.0 x 2	22.0 + 30.0	54.0		
	Water Flow Rate	LPM	80.0	96.0	114.0	80.0 x 2	80.0 + 96.0	190.0		
	Max. Pressure	Mpa	1.96	1.96	1.96	1.96	1.96	1.96		
Piping Connections	Liquid Pipe	Φ, mm	9.52	9.52	12.70	12.70	15.88	15.88		
		Φ, inch	3/8"	3/8"	1/2"	1/2"	5/8"	5/8"		
	Discharge Gas Pipe	Φ, mm	19.05	22.22	28.58	28.58	28.58	28.58		
		Φ, inch	3/4"	7/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"		
	Gas Pipe	Φ, mm	15.88	19.05	19.05	22.22	22.22	28.58		
		Φ, inch	5/8"	3/4"	3/4"	7/8"	7/8"	1 1/8"		
Installation Limitation	Max. Length	m	170(190)	170(190)	170(190)	170(190)	170(190)	170(190)		
	Max. Height	m	50.0(40.0)	50.0(40.0)	50.0(40.0)	50.0(40.0)	50.0(40.0)	50.0(40.0)		
Field Wiring	Power Source Wire	mm <sup>2</sup>	2.5	2.5	4.0	-	-	4.0		
	Transmission Cable	mm <sup>2</sup>	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25		
Refrigerant	Type	-	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)		
	Factory Charging	kg	5.50	5.80	6.00	11.00	11.30	9.80		
Sound <sup>3)</sup>	Sound Pressure	dB(A)	48.0	48.0	50.0	-	-	51.0		
	Sound Power	dB(A)	70.0	70.0	70.0	-	-	73.0		
External Dimension	Net Weight	kg	160.0	160.0	160.0	160.0 x 2	160.0 x 2	240.0		
	Shipping Weight	kg	167.0	167.0	167.0	167.0 x 2	167.0 x 2	250.0		
	Net Dimensions (WxHxD)	mm	770 x 1,000 x 545	770 x 1,000 x 545	770 x 1,000 x 545	(770 x 1,000 x 545) x 2	(770 x 1,000 x 545) x 2	1,100 x 1,000 x 545		
	Shipping Dimensions (WxHxD)	mm	840 x 1,200 x 620	840 x 1,200 x 620	840 x 1,200 x 620	(840 x 1,200 x 620) x 2	(840 x 1,200 x 620) x 2	1,170 x 1,200 x 620		
Operating Temp. Range	Cooling	°C	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0		
	Heating	°C	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0		

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1) Nominal cooling capacities are based on:  
Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.

2) Nominal heating capacities are based on:  
Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.

3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

\* These products contain R410A which is fluorinated greenhouse gas.

# DVMS LINE UP \_Outdoor Unit



## DVMS Eco

DIGITAL VARIABLE MULTI

- Top-class Energy Efficiency
- Small Footprint and Volume
- Flexible Piping Design
- Low Noise Level
- New Communication Protocol

DVM SECO			AM040FXMDEH	AM050FXMDEH	AM060FXMDEH	AM040FXMDGH	AM050FXMDGH	
Power Supply	Φ, #, V, Hz		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	3,4,380-415,50	3,4,380-415,50	
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP	HP	4.00	5.00	6.00	4.00	5.00	
		kW	12.10	14.00	15.50	12.10	14.00	
	Capacity (Nominal)	Cooling	Btu/h	41,300	47,800	52,900	41,300	47,800
		Heating	Btu/h	13.50	16.00	18.00	13.50	16.00
Power	Power Input (Nominal)	Cooling <sup>1)</sup>	kW	2.89	3.69	4.31	2.99	3.69
		Heating <sup>2)</sup>	kW	3.02	3.61	4.39	3.02	3.61
	Current Input (Nominal)	Cooling <sup>1)</sup>	A	14.00	17.90	21.00	4.80	6.20
		Heating <sup>2)</sup>	A	15.10	17.20	20.20	5.00	6.00
	MCA	A	22.00 (MCA)	24.00 (MCA)	32.00 (MCA)	10.00 (MCA)	12.00 (MCA)	
	MFA	A	27.50	30.00	40.00	16.10	16.10	
COP	Nominal Cooling <sup>1)</sup>	-	4.19	3.79	3.60	4.05	3.79	
	Nominal Heating <sup>2)</sup>	-	4.47	4.43	4.10	4.47	4.43	
Compressor	Type	-	Twin BLDC Rotary x 1	Twin BLDC Rotary x 1	Twin BLDC Rotary x 1	Twin BLDC Rotary x 1	Twin BLDC Rotary x 1	
	Output	kW x n	(4.12)	(4.12)	(4.12)	(4.12)	(4.12)	
	Model Name	-	UGST450FUEJXSG x 1	UGST450FUEJXSG x 1	UGST450FUEJXSG x 1	UGST450FUEJXSG x 1	UGST450FUEJXSG x 1	
	Oil	Type	PVE	PVE	PVE	POE	POE	
	Initial Charge	cc	1700	1700	1700	1700		
Fan	Type	-	Propeller / BLDC	Propeller / BLDC	Propeller / BLDC	Propeller / BLDC	Propeller / BLDC	
	Output x n	W	125.0 x 2	125.0 x 2	125.0 x 2	125.0 x 2	125.0 x 2	
	Air Flow Rate	CMM	100	100	100	100	100	
		l/s	1,666.67	1,666.67	1,666.67	1,666.67	1,666.67	
Piping Connections	Liquid Pipe	Φ, mm	9.52	9.52	9.52	9.52	9.52	
		Φ, inch	3/8"	3/8"	3/8"	3/8"	3/8"	
	Gas Pipe	Φ, mm	15.88	15.88	19.05	15.88	15.88	
		Φ, inch	5/8"	5/8"	3/4"	5/8"	5/8"	
	Discharge Gas Pipe (HR)	Φ, mm	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	
	Oil Equalizing Pipe	Φ, mm	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	
	Installation Limitation	Max. Length	m	150	150	150	150	
		Max. Height	m	50.0	50.0	50.0	50.0	
Field Wiring	Power Source Wire	mm <sup>2</sup>	-	-	-	-		
	Transmission Cable	mm <sup>2</sup>	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5		
Refrigerant	Type	-	R410A	R410A	R410A	R410A		
	Factory Charging	kg	3.20	3.20	3.30	3.20		
Sound <sup>3)</sup>	Sound Pressure	dB(A)	50.0	51.0	53.0	50.0		
	Sound Power	dB(A)	66.0	67.0	69.0	66.0		
External Dimension	Net Weight	kg	100.0	100.0	103.0	100.0		
	Shipping Weight	kg	105.0	105.0	108.0	105.0		
	Net Dimensions (WxHxD)	mm	940 x 1,210 x 330	940 x 1,210 x 330	940 x 1,210 x 330	940 x 1,210 x 330		
	Shipping Dimensions (WxHxD)	mm	995 x 1,388 x 426	995 x 1,388 x 426	995 x 1,388 x 426	995 x 1,388 x 426		
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0		
	Heating	°C	-20.0 ~ 26.0	-20.0 ~ 26.0	-20.0 ~ 26.0	-20.0 ~ 26.0		

\* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.

1) Nominal cooling capacities are based on:

Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

2) Nominal heating capacities are based on:

Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) MCA : Minimum Circuit Amps., MFA : Maximum Fuse Amps.

\* These products contain R410A which is fluorinated greenhouse gas.

# DVMS LINE UP \_Outdoor Unit



## DVMS Eco

DIGITAL VARIABLE MULTI

- Top-class Energy Efficiency
- Small Footprint and Volume
- Flexible Piping Design
- Low Noise Level
- New Communication Protocol

DVM SECO				AM060FXMDGH	AM080FXMDGH	AM100KXMDGH	AM120KXMDGH	AM140KXMDGH
Power Supply	Φ, #, V, Hz			3,4.380-415,50	3,4.380-415,50	3,4.380-415,50	3,4.380-415,50	3,4.380-415,50
Mode	-			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP	Cooling	HP	6.00	8.00	10.00	12.00	14.00
			kW	15.50	22.40	27.99	33.50	40.00
	Capacity (Nominal)	Heating	Btu/h	52,900	76,400	95,500	114,300	136,500
			kW	18.00	25.00	31.51	37.51	44.99
Power	Power Input (Nominal)	Cooling <sup>1)</sup>	Btu/h	61,400	85,300	107,500	128,000	153,500
			kW	4.31	5.72	7.29	8.77	10.59
		Heating <sup>2)</sup>	kW	4.39	4.88	6.74	7.83	9.88
			A	7.30	9.66	11.51	13.74	16.48
	Current Input (Nominal)	Cooling <sup>1)</sup>	A	6.90	8.24	10.58	12.23	15.55
			MCA	12.00 (MCA)	18.00 (MCA)	21.50 (MCA)	23.50 (MCA)	32.00 (MCA)
		Heating <sup>2)</sup>	A	16.10	25.00	30.00	40.00	50.00
			MFA	16.10	25.00	30.00	40.00	50.00
COP	Nominal Cooling <sup>1)</sup>	-	3.60	3.92	3.84	3.82	3.78	
		-	4.10	5.12	4.68	4.79	4.55	
Compressor	Type	-	Twin BLDC Rotary x 1	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1	
			Output	(4.12)	(4.96)	(5.18)	(6.39)	(6.76)
	Model Name	-	UGST450FUFJXSG x 1	DS-GB052FAVADO x 1	DS-GB052FAVB x 1	DS-GB066FAVB x 1	DS-GB070FAVA x 1	
			Type	POE	PVE	PVE	PVE	PVE
Oil	Initial Charge	cc	1700	1100	1100	1100	1100	
			Type	Propeller / BLDC	Propeller	Propeller	Propeller	Propeller
Fan	Output x n	W	125.0 x 2	180.0 x 2	244.0 x 2	244.0 x 2	244.0 x 2	
			CMM	100	135	165	166	180
	Air Flow Rate	l/s	1,666.67	2,250.00	2,750.00	2,766.67	3,000.00	
			External Static Pressure	Max.	mmAq	-	-	-
Piping Connections	Liquid Pipe	Φ, mm	9.52	9.52	9.52	12.70	12.70	
			Φ, inch	3/8"	3/8"	3/8"	1/2"	1/2"
	Gas Pipe	Φ, mm	19.05	19.05	22.22	28.58	28.58	
			Φ, inch	3/4"	3/4"	7/8"	1 1/8"	1 1/8"
	Discharge Gas Pipe (HR)	Φ, mm	-	-	-	-	-	
			Φ, inch	-	-	-	-	-
	Oil Equalizing Pipe	Φ, mm	-	-	-	-	-	
			Φ, inch	-	-	-	-	-
Installation Limitation	Max. Length	m	150	100	160	160		
		Max. Height	m	50.0	30.0	50.0	50.0	
Field Wiring	Power Source Wire	mm <sup>2</sup>	-	-	-	-		
		Transmission Cable	mm <sup>2</sup>	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	
Refrigerant	Type	-	R410A	R410A	R410A	R410A		
		Factory Charging	kg	3.30	3.70	3.70	4.30	
Sound <sup>3)</sup>	Sound Pressure	dB(A)	53.0	56.0	58.0	59.0		
		Sound Power	dB(A)	69.0	74.0	74.0	76.0	
External Dimension	Net Weight	kg	103.0	135.0	145.0	155.0		
		Shipping Weight	kg	108.0	145.0	158.0	168.0	
		Net Dimensions (WxHxD)	mm	940 x 1,210 x 330	940 x 1,420 x 330	940 x 1,630 x 460	940 x 1,630 x 460	
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 52.0	-5.0 ~ 52.0		
		Heating	°C	-20.0 ~ 26.0	-20.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	

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1) Nominal cooling capacities are based on:

Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

2) Nominal heating capacities are based on:

Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) MCA : Minimum Circuit Amps., MFA : Maximum Fuse Amps.

\* These products contain R410A which is fluorinated greenhouse gas.

# DVMS SPECIFICATION Indoor Units



## 360 Cassette

- Cold Draft Free
- Perfect even cooling
- Stylish design
- New communication Protocol

360 Cassette				360 CST (Square)	360 CST (Circle)	360 CST (Square)	360 CST (Circle)	360 CST (Square)	360 CST (Circle)
Type				AM045KN4DEH	AM045KN4DEH	AM056KN4DEH	AM056KN4DEH	AM071KN4DEH	AM071KN4DEH
Power Supply	Φ, #, V, Hz			1.2.220-240,50	1.2.220-240,50	1.2.220-240,50	1.2.220-240,50	1.2.220-240,50	1.2.220-240,50
Mode				HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	4.50	4.50	5.60	5.60	7.10	7.10
			Btu/h	15,400	15,400	19,100	19,100	24,200	24,200
		Heating	kW	5.00	5.00	6.30	6.30	8.00	8.00
			Btu/h	17,100	17,100	21,500	21,500	27,300	27,300
Power	Power Input (Nominal)	Cooling	W	26.00	26.00	30.00	30.00	34.00	34.00
			Btu/h	26.00	26.00	30.00	30.00	34.00	34.00
	Current Input (Nominal)	Cooling	A	0.18	0.18	0.21	0.21	0.25	0.25
			Btu/h	0.18	0.18	0.21	0.21	0.25	0.25
Fan	Type		mm <sup>2</sup>	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Motor	Output x n	W	65 x 1	65 x 1	65 x 1	65 x 1	65 x 1	65 x 1
	Air Flow Rate	H/M/L (UL)	CMM	14.50/13.50/12.50	14.50/13.50/12.50	16.00/14.50/13.50	16.00/14.50/13.50	18.00/16.00/14.00	18.00/16.00/14.00
			l/s	241.67/225.00/208.33	241.67/225.00/208.33	266.67/241.67/225.00	266.67/241.67/225.00	300.00/266.67/233.33	300.00/266.67/233.33
	External Pressure	Min / Std / Max	mmAq	-	-	-	-	-	-
Pa			-	-	-	-	-	-	-
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35	6.35	9.52	9.52	
		Φ, inch	1/4"	1/4"	1/4"	1/4"	3/8"	3/8"	
	Gas Pipe	Φ, mm	12.70	12.70	12.70	12.70	15.88	15.88	
		Φ, inch	1/2"	1/2"	1/2"	1/2"	5/8"	5/8"	
Drain Pipe		Φ, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	
Field Wiring	Power Source Wire		mm <sup>2</sup>	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5
	Transmission Cable		mm <sup>2</sup>	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	High / Mid / Low	dB(A)	33.0/31.0/29.0	33.0/31.0/29.0	34.0/32.0/29.0	34.0/32.0/29.0	36.0/33.0/30.0	36.0/33.0/30.0
			dB(A)	50.0	50.0	51.0	51.0	53.0	53.0
Dimensions	Net Weight		kg	21.00	21.00	21.00	21.00	21.00	21.00
	Shipping Weight		kg	25.00	25.00	25.00	25.00	25.00	25.00
	Net Dimensions (W×H×D)		mm	947 x 281 x 947	947 x 281 x 947	947 x 281 x 947	947 x 281 x 947	947 x 281 x 947	947 x 281 x 947
			mm	990 x 330 x 990	990 x 330 x 990	990 x 330 x 990	990 x 330 x 990	990 x 330 x 990	990 x 330 x 990
Panel Size	Panel model		-	PC4NUDMAN	PC4NUNMAN	PC4NUDMAN	PC4NUNMAN	PC4NUDMAN	PC4NUNMAN
			kg	3.60	2.70	3.60	2.70	3.60	2.70
	Shipping Weight		kg	6.00	5.10	6.00	5.10	6.00	5.10
			mm	1000 x 66 x 1000	1050 x 94 x 1050	1000 x 66 x 1000	1050 x 94 x 1050	1000 x 66 x 1000	1050 x 94 x 1050
Additional Accessories	Drain pump		- / Model name	-	-	-	-	-	-
		Max. lifting Height / Displacement	mm / liter/h	-	-	-	-	-	-
	Air Filter		-	-	-	-	-	-	-

\* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.  
 \* These products contain R410A which is fluorinated greenhouse gas.

### Optional Accessories



# DVMS SPECIFICATION Indoor Units



## 360 Cassette

- Cold Draft Free
- Perfect even cooling
- Stylish design
- New communication Protocol

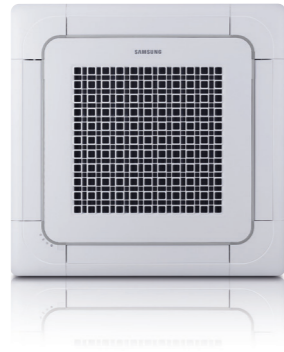
360 Cassette				360 CST (Square)	360 CST (Circle)	360 CST (Square)	360 CST (Square)	360 CST (Circle)	360 CST (Square)	360 CST (Circle)	
Type				AM090KN4DEH	AM090KN4DEH	AM112KN4DEH	AM056KN4DEH	AM056KN4DEH	AM071KN4DEH	AM071KN4DEH	
Model Code				AM090KN4DEH	AM090KN4DEH	AM112KN4DEH	AM056KN4DEH	AM056KN4DEH	AM071KN4DEH	AM071KN4DEH	
Power Supply	Φ, #, V, Hz			1.2,220-240,50	1.2,220-240,50	1.2,220-240,50	1.2,220-240,50	1.2,220-240,50	1.2,220-240,50	1.2,220-240,50	
Mode				HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	
Performance	Capacity (Nominal)	Cooling	kW	9.00	9.00	11.20	5.60	5.60	7.10	7.10	
			Btu/h	30,700	30,700	38,200	19,100	19,100	24,200	24,200	24,200
		Heating	kW	10.00	10.00	12.50	6.30	6.30	8.00	8.00	8.00
			Btu/h	34,100	34,100	42,700	21,500	21,500	27,300	27,300	27,300
Power	Power Input (Nominal)	Cooling	W	55.00	55.00	53.00	30.00	30.00	34.00	34.00	
		Heating	W	55.00	55.00	53.00	30.00	30.00	34.00	34.00	
	Current Input (Nominal)	Cooling	A	0.42	0.42	0.41	0.21	0.21	0.25	0.25	
		Heating	A	0.42	0.42	0.41	0.21	0.21	0.25	0.25	
Fan	Type		mm <sup>2</sup>	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	
	Motor	Output x n	W	65 x 1	65 x 1	97 x 1	65 x 1	65 x 1	65 x 1	65 x 1	
	Air Flow Rate	H/M/L (UL)	CMM	22.00/18.50/16.00	22.00/18.50/16.00	25.50/21.00/17.50	16.00/14.50/13.50	16.00/14.50/13.50	18.00/16.00/14.00	18.00/16.00/14.00	
			l/s	366.67/308.33/266.67	366.67/308.33/266.67	425.00/350.00/291.67	266.67/241.67/225.00	266.67/241.67/225.00	300.00/266.67/233.33	300.00/266.67/233.33	
	External Pressure	Min / Std / Max	mmAq	-	-	-	-	-	-	-	
		Pa	-	-	-	-	-	-	-		
Piping Connections	Liquid Pipe	Φ, mm	9.52	9.52	9.52	6.35	6.35	9.52	9.52		
		Φ, inch	3/8"	3/8"	3/8"	1/4"	1/4"	3/8"	3/8"		
	Gas Pipe	Φ, mm	15.88	15.88	15.88	12.70	12.70	15.88	15.88		
		Φ, inch	5/8"	5/8"	5/8"	1/2"	1/2"	5/8"	5/8"		
Drain Pipe		Φ, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)		
Field Wiring	Power Source Wire		mm <sup>2</sup>	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5		
	Transmission Cable		mm <sup>2</sup>	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5		
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A		
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED		
Sound	Sound Pressure	High / Mid / Low	dB(A)	40.0/36.0/32.0	40.0/36.0/32.0	40.0/36.0/32.0	34.0/32.0/29.0	34.0/32.0/29.0	36.0/33.0/30.0	36.0/33.0/30.0	
		Cooling	dB(A)	57.0	57.0	58.0	51.0	51.0	53.0	53.0	
Dimensions	Net Weight		kg	21.00	21.00	24.00	21.00	21.00	21.00		
	Shipping Weight		kg	25.00	25.00	29.00	25.00	25.00	25.00		
	Net Dimensions (W×H×D)		mm	947 x 281 x 947	947 x 281 x 947	947 x 365 x 947	947 x 281 x 947	947 x 281 x 947	947 x 281 x 947		
		Shipping Dimensions (W×H×D)		mm	990 x 330 x 990	990 x 330 x 990	990 x 414 x 990	990 x 330 x 990	990 x 330 x 990		
Panel Size	Panel model		-	PC4NUDMAN	PC4NUNMAN	PC4NUDMAN	PC4NUDMAN	PC4NUNMAN	PC4NUDMAN		
	Panel Net Weight		kg	3.60	2.70	3.60	3.60	2.70	3.60		
	Shipping Weight		kg	6.00	5.10	6.00	6.00	5.10	6.00		
	Net Dimensions (W×H×D)		mm	1000 x 66 x 1000	1050 x 94 x 1050	1000 x 66 x 1000	1000 x 66 x 1000	1050 x 94 x 1050	1000 x 66 x 1000		
Shipping Dimensions (W×H×D)			mm	1093 x 85 x 1083	1093 x 85 x 1083	1093 x 85 x 1083	1093 x 85 x 1083	1093 x 85 x 1083			
Additional Accessories	Drain pump	Drain pump	- / Model name	-	-	-	-	-	-		
	Air Filter	Max. lifting Height / Displacement	mm / liter/h	-	-	-	-	-	-		

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 \* These products contain R410A which is fluorinated greenhouse gas.

### Optional Accessories



# DVMS SPECIFICATION \_Indoor Units



## 4Way Cassette

- Compact and Light Unit
- Virus Doctor (Optional)
- No Overflowing Drain Water
- New Communication Protocol

4Way Cassette				AM045FN4DEH	AM056FN4DEH	AM071FN4DEH	AM090FN4DEH	AM112FN4DEH	AM128FN4DEH	AM140FN4DEH
Power Supply		Φ, #, V, Hz		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode		-		HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	4.50	5.60	7.10	9.00	11.20	12.80	14.00
			Btu/h	15,400	19,100	24,200	30,700	38,200	43,700	47,800
		Heating	kW	5.00	6.30	8.00	10.00	12.50	13.80	16.00
			Btu/h	17,100	21,500	27,300	34,100	42,700	47,100	54,600
Power	Power Input (Nominal)	Cooling	W	32.00	32.00	45.00	62.00	78.00	73.00	89.00
		Heating	W	32.00	32.00	45.00	62.00	78.00	73.00	89.00
	Current Input (Nominal)	Cooling	A	0.22	0.22	0.31	0.43	0.55	0.51	0.62
		Heating	A	0.22	0.22	0.31	0.43	0.55	0.51	0.62
Fan	Motor	Type	-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
		Output x n	W	-	-	-	-	-	-	-
	Air Flow Rate	CMM		14.50/13.50/12.50	15.00/14.00/13.00	17.00/15.50/14.50	19.50/18.00/16.50	26.00/24.00/22.00	28.00/26.00/23.00	30.00/28.00/26.00
		H/M/L (UL)		241.67/225.00/208.33	250.00/233.33/216.67	283.33/258.33/241.67	325.00/300.00/275.00	433.33/400.00/366.67	466.67/433.33/383.33	500.00/466.67/433.33
External Pressure	mmAq		-	-	-	-	-	-	-	
	Pa		-	-	-	-	-	-	-	
Piping Connections	Liquid Pipe	Φ, mm		6.35	6.35	9.52	9.52	9.52	9.52	9.52
		Φ, inch		1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"
	Gas Pipe	Φ, mm		12.70	12.70	15.88	15.88	15.88	15.88	15.88
		Φ, inch		1/2"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"
Drain Pipe	Φ, mm		VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	
Field Wiring	Power Source Wire	mm <sup>2</sup>		1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	
	Transmission Cable	mm <sup>2</sup>		0.75~1.50	0.75~1.50	0.75~1.50	0.75~1.50	0.75~1.50	0.75~1.50	
Refrigerant	Type	-		R410A	R410A	R410A	R410A	R410A	R410A	
	Control Method	-		EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	
Sound	Sound Pressure	High / Mid / Low	dB(A)	33.0/32.0/30.0	33.0/32.0/30.0	35.0/34.0/33.0	39.0/36.0/33.0	40.0/38.0/35.0	42.0/40.0/35.0	44.0/41.0/35.0
		Cooling	dB(A)	49.0	50.0	54.0	57.0	57.0	58.0	60.0
Dimensions	Net Weight	kg		15.50	15.50	15.50	15.50	17.00	19.00	19.00
	Shipping Weight	kg		19.50	19.50	19.50	19.50	20.00	22.50	22.50
	Net Dimensions (W×H×D)	mm		840 x 204 x 840	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840	840 x 246 x 840	840 x 288 x 840	840 x 288 x 840
	Shipping Dimensions (W×H×D)	mm		898 x 275 x 898	898 x 275 x 898	898 x 275 x 898	898 x 275 x 898	898 x 316 x 898	898 x 357 x 898	898 x 357 x 898
Panel Size	Panel model	-		PC4NUSKAN	PC4NUSKAN	PC4NUSKAN	PC4NUSKAN	PC4NUSKAN	PC4NUSKAN	PC4NUSKAN
	Panel Net Weight	kg		5.80	5.80	5.80	5.80	5.80	5.80	5.80
	Shipping Weight	kg		8.40	8.40	8.40	8.40	8.40	8.40	8.40
	Net Dimensions (W×H×D)	mm		950 x 45 x 950	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950
Shipping Dimensions (W×H×D)	mm		1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005	
Additional Accessories	Drain pump	Drain pump	- / Model name	-	-	-	-	-	-	-
		Max. lifting Height / Displacement	mm / liter/h	-	-	-	-	-	-	-
Air Filter		-		-	-	-	-	-	-	

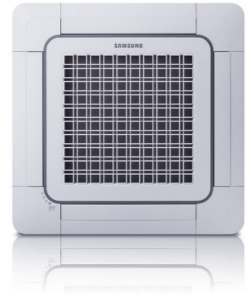
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### Optional Accessories





# DVMS SPECIFICATION \_Indoor Units



## 4Way Cassette (600x600)

- Compact and Light Unit
- Virus Doctor (Optional)
- Motion Detect Sensor (Optional)
- No Overflowing Drain Water
- New Communication Protocol

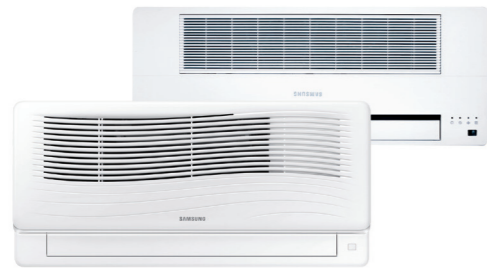
4Way Cassette (600x600)				AM015HNNDEH	AM022FNNDDEH	AM028FNNDDEH	AM036FNNDDEH	AM045FNNDDEH	AM056FNNDDEH	AM060FNNDDEH
Model Code										
Power Supply		Φ, #, V, Hz		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode		-		HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	1.50	2.20	3.60	4.50	5.60	6.30	6.00
			Btu/h	5,100	7,500	9,600	12,300	15,400	19,100	20,500
		Heating	kW	1.70	2.50	3.20	4.00	5.00	6.30	6.80
			Btu/h	5,800	8,500	10,900	13,600	17,100	21,500	23,200
Power	Power Input (Nominal)	Cooling	W	18.00	18.00	18.00	20.00	23.00	28.00	31.00
			Heating	18.00	18.00	18.00	20.00	23.00	28.00	31.00
	Current Input (Nominal)	Cooling	A	0.17	0.17	0.17	0.19	0.22	0.27	0.30
			Heating	0.17	0.17	0.17	0.19	0.22	0.27	0.30
Fan	Motor	Type	-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
		Output x n	W	65 x 1	65 x 1	65 x 1	65 x 1	65 x 1	65 x 1	65 x 1
	Air Flow Rate	H/M/L (UL)	CMM	8.20/7.00/6.30	9.00/7.70/6.50	10.00/8.50/7.50	10.50/9.50/8.00	11.50/10.20/9.00	13.00/11.00/9.50	13.50/12.00/10.20
			l/s	136.67/116.67/105.00	150.00/128.33/108.33	166.67/141.67/125.00	175.00/158.33/133.33	191.67/170.00/150.00	216.67/183.33/158.33	225.00/200.00/170.00
External Pressure	Min / Std / Max	mmAq	-	-	-	-	-	-	-	
		Pa	-	-	-	-	-	-	-	
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35	6.35	6.35	6.35	6.35	
		Φ, inch	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	
	Gas Pipe	Φ, mm	12.70	12.70	12.70	12.70	12.70	12.70	12.70	
		Φ, inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	
Drain Pipe	Φ, mm	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)		
Field Wiring	Power Source Wire	mm <sup>2</sup>	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5		
	Transmission Cable	mm <sup>2</sup>	0.75~1.50	0.75~1.50	0.75~1.50	0.75~1.50	0.75~1.50	0.75~1.50		
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A	R410A		
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED		
Sound	Sound Pressure	High / Mid / Low	dB(A)	30.0/28.0/23.0	32.0/29.0/25.0	33.0/30.0/26.0	34.0/30.0/26.0	36.0/34.0/32.0	39.0/36.0/33.0	40.0/38.0/35.0
		Cooling	dB(A)	46.0	47.0	50.0	51.0	53.0	56.0	57.0
Dimensions	Net Weight	kg	12.00	12.00	12.00	12.00	12.00	12.00		
	Shipping Weight	kg	14.00	14.00	14.00	14.00	14.00	14.00		
	Net Dimensions (WxHxD)	mm	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575		
	Shipping Dimensions (WxHxD)	mm	623 x 298 x 653	623 x 298 x 653	623 x 298 x 653	623 x 298 x 653	623 x 298 x 653	623 x 298 x 653		
Panel Size	Panel model	-	PC4SUSMAN	PC4SUSMAN	PC4SUSMAN	PC4SUSMAN	PC4SUSMAN	PC4SUSMAN		
	Panel Net Weight	kg	2.70	2.70	2.70	2.70	2.70	2.70		
	Shipping Weight	kg	4.20	4.20	4.20	4.20	4.20	4.20		
	Net Dimensions (WxHxD)	mm	670 x 45 x 670	670 x 45 x 670	670 x 45 x 670	670 x 45 x 670	670 x 45 x 670	670 x 45 x 670		
Shipping Dimensions (WxHxD)	mm	714 x 106 x 724	714 x 106 x 724	714 x 106 x 724	714 x 106 x 724	714 x 106 x 724	714 x 106 x 724			
Additional Accessories	Drain pump	Drain pump	- / Model name	-	-	-	-	-	-	
		Max. lifting Height / Displacement	mm / liter/h	-	-	-	-	-	-	
Air Filter			-	-	-	-	-	-		

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 \* These products contain R410A which is fluorinated greenhouse gas.

### Optional Accessories



# DVMS SPECIFICATION Indoor Units



## 1Way Cassette

- Fluid Pattern Design
- Slim and Compact Design
- Virus Doctor (Option)
- Quiet Operation
- No Overflowing Drain Water
- New Communication Protocol

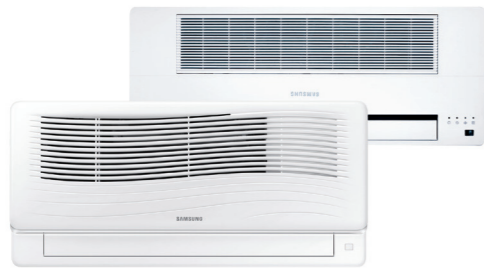
1Way Cassette				AM017HN1DEH	AM022HN1DEH	AM022FN1DEH	AM028FN1DEH	AM036FN1DEH
Model Code								
Power Supply	Φ, #, V, Hz		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode			HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	1.70	2.20	2.20	2.80	3.60
			Btu/h	5,800	7,500	7,500	9,600	12,300
		Heating	kW	1.90	2.50	2.50	3.20	4.00
			Btu/h	6,500	8,500	8,500	10,900	13,600
Power	Power Input (Nominal)	Cooling	W	24.00	25.00	40.00	45.00	50.00
			Heating	24.00	25.00	40.00	45.00	50.00
	Current Input (Nominal)	Cooling	A	0.14	0.15	0.20	0.23	0.25
			Heating	0.14	0.15	0.20	0.23	0.25
Fan	Motor	Type	-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
		Output x n	W	27 x 1	27 x 1	17 x 1	17 x 1	17 x 1
	Air Flow Rate	H/M/L (UL)	CMM	4.80/4.30/4.10	5.10/4.60/4.30	6.00/5.00/4.00	7.00/6.00/5.00	8.00/7.00/6.00
			l/s	80.00/71.67/68.33	85.00/76.67/71.67	100.00/83.33/66.67	116.67/100.00/83.33	133.33/116.67/100.00
External Pressure	Min / Std / Max	mmAq	-	-	-	-	-	
		Pa	-	-	-	-	-	
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35	6.35	6.35	
		Φ, inch	1/4"	1/4"	1/4"	1/4"	1/4"	
	Gas Pipe	Φ, mm	12.70	12.70	12.70	12.70	12.70	
		Φ, inch	1/2"	1/2"	1/2"	1/2"	1/2"	
Drain Pipe	Φ, mm	VP20 (OD 25, ID 20)	VP20 (OD 25, ID 20)	VP20 (OD 25, ID 20)	VP20 (OD 25, ID 20)	VP20 (OD 25, ID 20)		
Field Wiring	Power Source Wire	mm <sup>2</sup>	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	
	Transmission Cable	mm <sup>2</sup>	0.75~1.50	0.75~1.50	0.75~1.50	0.75~1.50	0.75~1.50	
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A	
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	
Sound	Sound Pressure	High / Mid / Low	dB(A)	27.0/24.0/21.0	27.0/25.0/23.0	27.0/25.0/23.0	29.0/27.0/24.0	35.0/31.0/27.0
		Cooling	dB(A)	43.0	46.0	51.0	53.0	58.0
Dimensions	Net Weight	kg	8.00	8.00	10.50	10.50	10.50	
	Shipping Weight	kg	10.80	10.80	13.00	13.00	13.00	
	Net Dimensions (W×H×D)	mm	740 x 135 x 360	740 x 135 x 360	970 x 135 x 410	970 x 135 x 410	970 x 135 x 410	
	Shipping Dimensions (W×H×D)	mm	895 x 223 x 435	895 x 223 x 435	1164 x 212 x 478	1164 x 212 x 478	1164 x 212 x 478	
Panel Size	Panel model	-	PC1MWSKAN	PC1MWSKAN	PC1NWSMAN	PC1NWSMAN	PC1NWSMAN	
	Panel Net Weight	kg	2.60	2.60	5.50	5.50	5.50	
	Shipping Weight	kg	4.20	4.20	7.20	7.20	7.20	
	Net Dimensions (W×H×D)	mm	900 x 25 x 420	900 x 25 x 420	1198 x 25 x 500	1198 x 25 x 500	1198 x 25 x 500	
Shipping Dimensions (W×H×D)	mm	958 x 112 x 482	958 x 112 x 482	1262 x 122 x 566	1262 x 122 x 566	1262 x 122 x 566		
Additional Accessories	Drain pump	Drain pump	- / Model name	-	-	-	-	
		Max. lifting Height / Displacement	mm / liter/h	-	-	-	-	
Air Filter			-	-	-	-	-	

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### Optional Accessories

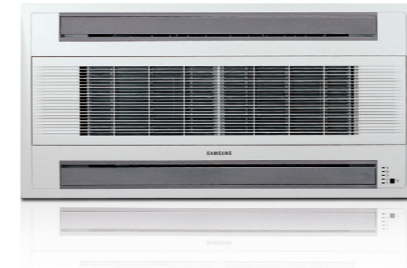


# DVMS SPECIFICATION Indoor Units



## 1Way Cassette

- Fluid Pattern Design
- Slim and Compact Design
- Virus Doctor (Option)
- Quiet Operation
- No Overflowing Drain Water
- New Communication Protocol



## 2Way Cassette

- Standard Formula for Easy Installation
- Twin Cross Flow Fan
- Small Size, Big Performance
- New Communication Protocol

1Way Cassette				AM056JN1DEH	AM071JN1DEH
Model Code					
Power Supply		Φ, #, V, Hz		1,2,220-240,50	1,2,220-240,50
Mode		-		HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	5.60	7.10
			Btu/h	19,100	24,200
		Heating	kW	6.30	8.00
			Btu/h	21,500	27,300
Power	Power Input (Nominal)	Cooling	W	55.00	80.00
		Heating	W	55.00	80.00
	Current Input (Nominal)	Cooling	A	0.28	0.40
		Heating	A	0.28	0.40
Fan	Motor	Type	-	Crossflow Fan	Crossflow Fan
		Output x n	W	54 x 1	54 x 1
	Air Flow Rate	H/M/L (UL)	CMM	16.00/14.00/12.50	17.00/15.50/14.00
			l/s	266.67/233.33/208.33	283.33/258.33/233.33
External Pressure	Min / Std / Max	mmAq	-	-	
		Pa	-	-	
Piping Connections	Liquid Pipe	Φ, mm	6.35	9.52	
		Φ, inch	1/4"	3/8"	
	Gas Pipe	Φ, mm	12.70	15.88	
		Φ, inch	1/2"	5/8"	
Field Wiring	Power Source Wire	mm <sup>2</sup>	1.5 ~ 2.5	1.5 ~ 2.5	
		mm <sup>2</sup>	0.75 ~ 1.50	0.75 ~ 1.50	
Refrigerant	Type	-	R410A	R410A	
	Control Method	-	EEV INCLUDED	EEV INCLUDED	
Sound	Sound Pressure	High / Mid / Low	dB(A)	36.0/33.0/31.0	39.0/37.0/34.0
		Cooling	dB(A)	58.0	60.0
Dimensions	Net Weight	kg	14.50	14.50	
		kg	18.50	18.50	
	Shipping Dimensions (W×H×D)	mm	1200 x 138 x 450	1200 x 138 x 450	
		mm	1435 x 224 x 525	1435 x 224 x 525	
Panel Size	Panel model	-	PC1BWSMAN	PC1BWSMAN	
		kg	6.30	6.30	
	Shipping Weight	kg	8.30	8.30	
		mm	1410 x 23 x 500	1410 x 23 x 500	
Additional Accessories	Drain pump	Drain pump - / Model name	-	-	
		Max. lifting Height / Displacement	mm / liter/h	-	-
Air Filter		-		-	

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2Way Cassette				AM056FN2DEH	AM071FN2DEH
Model Code					
Power Supply		Φ, #, V, Hz		1,2,220-240,50	1,2,220-240,50
Mode		-		HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	5.60	7.10
			Btu/h	19,100	24,200
		Heating	kW	6.30	8.00
			Btu/h	21,500	27,300
Power	Power Input (Nominal)	Cooling	W	70.00	75.00
		Heating	W	70.00	75.00
	Current Input (Nominal)	Cooling	A	0.38	0.40
		Heating	A	0.38	0.40
Fan	Motor	Type	-	Crossflow Fan	Crossflow Fan
		Output x n	W	14 x 2	14 x 2
	Air Flow Rate	H/M/L (UL)	CMM	14.00/13.00/12.00	15.00/14.00/13.00
			l/s	233.33/216.67/200.00	250.00/233.33/216.67
External Pressure	Min / Std / Max	mmAq	-	-	
		Pa	-	-	
Piping Connections	Liquid Pipe	Φ, mm	6.35	9.52	
		Φ, inch	1/4"	3/8"	
	Gas Pipe	Φ, mm	12.70	15.88	
		Φ, inch	1/2"	5/8"	
Field Wiring	Power Source Wire	mm <sup>2</sup>	1.5 ~ 2.5	1.5 ~ 2.5	
		mm <sup>2</sup>	0.75 ~ 1.50	0.75 ~ 1.50	
Refrigerant	Type	-	R410A	R410A	
	Control Method	-	EEV INCLUDED	EEV INCLUDED	
Sound	Sound Pressure	High / Mid / Low	dB(A)	38.0/37.0/35.0	41.0/39.0/37.0
		Cooling	dB(A)	62.0	65.0
Dimensions	Net Weight	kg	21.00	22.00	
		kg	25.00	26.00	
	Shipping Dimensions (W×H×D)	mm	890 x 230 x 575	890 x 230 x 575	
		mm	1077 x 299 x 642	1077 x 299 x 642	
Panel Size	Panel model	-	PC2NUSMEN	PC2NUSMEN	
		kg	4.00	4.00	
	Shipping Weight	kg	8.00	8.00	
		mm	1030 x 25 x 650	1030 x 25 x 650	
Additional Accessories	Drain pump	Drain pump - / Model name	-	-	
		Max. lifting Height / Displacement	mm / liter/h	-	-
Air Filter		-		-	

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### Optional Accessories



### Optional Accessories



# DVMS SPECIFICATION \_Indoor Units

## HSP Duct



- High External Static Pressure
- Strong and Large Coverage Area
- Silent Operation with the Static Pressure Control
- Easy to Maintain
- New Communication Protocol

HSP Duct				AM112FNHDEH	AM128FNHDEH	AM140FNHDEH	AM220FNHDEH	AM280FNHDEH
Power Supply		Φ, #, V, Hz		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode		-		HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	11.20	12.80	14.00	22.40	28.00
			Btu/h	38,200	43,700	47,800	76,400	95,500
		Heating	kW	12.50	13.80	16.00	25.00	31.50
			Btu/h	42,700	47,100	54,600	85,300	107,500
Power	Power Input (Nominal)	Cooling	W	305.00	333.00	385.00	530.00	790.00
		Heating	W	305.00	333.00	385.00	530.00	790.00
	Current Input (Nominal)	Cooling	A	2.35	2.58	3.00	3.80	5.90
		Heating	A	2.35	2.58	3.00	3.80	5.90
Fan	Motor	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
		Output x n	W	183 x 2	183 x 2	183 x 2	400 x 1	400 x 1
	Air Flow Rate	CMM		32.00/27.00/23.00	35.00/31.00/28.00	39.00/33.00/28.00	58.00/52.00/47.00	72.00/65.00/58.00
		H/M/L (UL)		533.33/450.00/383.33	583.33/516.67/466.67	650.00/550.00/466.67	966.67/866.67/783.33	1,200.00/1,083.33/966.67
External Pressure	mmAq		5.00/10.00/20.00	5.00/10.00/20.00	5.00/10.00/20.00	5.00/15.00/25.00	5.00/15.00/28.00	
	Pa		49.03/98.07/196.13	49.03/98.07/196.13	49.03/98.07/196.13	49.03/147.10/245.17	49.03/147.10/274.59	
Piping Connections	Liquid Pipe	Φ, mm		9.52	9.52	9.52	9.52	9.52
		Φ, inch		3/8"	3/8"	3/8"	3/8"	3/8"
	Gas Pipe	Φ, mm		15.88	15.88	15.88	19.05	22.22
		Φ, inch		5/8"	5/8"	5/8"	3/4"	7/8"
Drain Pipe	Φ, mm		VP25 (OD 32JD 25)	VP25 (OD 32JD 25)	VP25 (OD 32JD 25)	VP25 (OD 32JD 25)	VP25 (OD 32JD 25)	
Field Wiring	Power Source Wire	mm <sup>2</sup>		1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5
	Transmission Cable	mm <sup>2</sup>		0.75~1.50	0.75~1.50	0.75~1.50	0.75~1.50	0.75~1.50
Refrigerant	Type	-		R410A	R410A	R410A	R410A	R410A
	Control Method	-		EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	High / Mid / Low	dB(A)	43.0/41.0/39.0	45.0/43.0/42.0	46.0/45.0/44.0	45.0/43.0/41.0	48.0/46.0/43.0
		Cooling	dB(A)	72.0	74.0	75.0	76.0	79.0
Dimensions	Net Weight	kg		62.00	62.00	62.00	89.00	89.00
	Shipping Weight	kg		70.00	70.00	70.00	99.00	99.00
	Net Dimensions (W×H×D)	mm		1200 x 360 x 650	1200 x 360 x 650	1200 x 360 x 650	1240 x 470 x 1040	1240 x 470 x 1040
	Shipping Dimensions (W×H×D)	mm		1447 x 425 x 769	1447 x 425 x 769	1447 x 425 x 769	1507 x 558 x 1155	1507 x 558 x 1155
	Panel model	-		-	-	-	-	-
Panel Size	Panel Net Weight	kg		-	-	-	-	-
	Shipping Weight	kg		-	-	-	-	-
	Net Dimensions (W×H×D)	mm		-	-	-	-	-
	Shipping Dimensions (W×H×D)	mm		-	-	-	-	-
	Drain pump	Drain pump	- / Model name		MDP-M07SSGU2D	MDP-M07SSGU2D	MDP-M07SSGU2D	MDP-N047SNC1D
Additional Accessories	Max. lifting Height / Displacement	mm / liter/h		-	-	-	-	-
	Air Filter	-		-	-	-	-	-

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### Optional Accessories



# DVMS SPECIFICATION Indoor Units



## Duct S (HSP)

- The Slimmest and The Lightest Design
- 3-Way Service
- Wi-Fi Control (Optional)
- Virus Doctor (Optional)
- Automatic ESP Adjustment
- Easier Drain Pump Installation
- High Efficient Heat Exchanger
- New Communication Protocol



## Big Duct

- The Slimmest and The Lightest Design
- 3-Way Service
- Wi-Fi Control (Optional)
- Virus Doctor (Optional)
- Automatic ESP Adjustment
- Easier Drain Pump Installation
- High Efficient Heat Exchanger
- New Communication Protocol

Duct S (HSP)				AM112HNHPKH	AM128HNHPKH	AM140HNHPKH
Power Supply		Φ, #, V, Hz		1.2,220-240,50	1.2,220-240,50	1.2,220-240,50
Mode				HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	11.20	12.80	14.00
		Btu/h		38,200	43,700	47,800
	Heating	kW		12.50	13.80	16.00
		Btu/h		42,700	47,100	54,600
Power	Power Input (Nominal)	Cooling	W	205.00	230.00	260.00
		Heating		205.00	230.00	260.00
	Current Input (Nominal)	Cooling	A	1.20	1.40	1.50
		Heating		1.20	1.40	1.50
Fan	Motor	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan
		Output x n	W	350 x 1	350 x 1	350 x 1
	Air Flow Rate	H/M/L (UL)	CMM	35.00/29.00/22.00	38.00/32.00/25.00	42.00/34.00/25.00
			l/s	583.33/483.33/366.67	633.33/533.33/416.67	700.00/566.67/416.67
External Pressure		mmAq	3.00/6.20/20.00	3.00/6.20/20.00	3.00/6.20/20.00	
	Min / Std / Max	Pa	29.42/60.80/196.13	29.42/60.80/196.13	29.42/60.80/196.13	
Piping Connections	Liquid Pipe	Φ, mm		9.52	9.52	9.52
		Φ, inch		3/8"	3/8"	3/8"
	Gas Pipe	Φ, mm		15.88	15.88	15.88
		Φ, inch		5/8"	5/8"	5/8"
Drain Pipe	Φ, mm		VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	
Field Wiring	Power Source Wire	mm <sup>2</sup>		1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	mm <sup>2</sup>		0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type			R410A	R410A	R410A
	Control Method			EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	High / Mid / Low	dB(A)	38.0/35.0/32.0	39.0/36.0/32.0	40.0/37.0/32.0
	Sound Power	Cooling	dB(A)	63.0	63.0	65.0
Dimensions	Net Weight		kg	46.50	46.50	46.50
	Shipping Weight		kg	52.50	52.50	52.50
	Net Dimensions (W×H×D)		mm	1300 x 300 x 700	1300 x 300 x 700	1300 x 300 x 700
	Shipping Dimensions (W×H×D)		mm	1529 x 370 x 779	1529 x 370 x 779	1529 x 370 x 779
Panel Size	Panel model			-	-	-
	Panel Net Weight		kg	-	-	-
	Shipping Weight		kg	-	-	-
	Net Dimensions (W×H×D)		mm	-	-	-
Additional Accessories	Drain pump	Drain pump - / Model name		MDP-G075SP	MDP-G075SP	MDP-G075SP
	Air Filter	Max. lifting Height / Displacement	mm / liter/h	-	-	-

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Big Duct				AM180JNHFKH	AM224JNHFKH
Power Supply		Φ, #, V, Hz		1.2,220-240,50	1.2,220-240,50
Mode				HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	18.00	22.40
		Btu/h		61,400	76,400
	Heating	kW		20.00	25.00
		Btu/h		68,200	85,300
Power	Power Input (Nominal)	Cooling	W	340.00	530.00
		Heating		340.00	530.00
	Current Input (Nominal)	Cooling	A	1.90	2.90
		Heating		1.90	2.90
Fan	Motor	Type		Sirocco	Sirocco
		Output x n	W	630 x 1	630 x 1
	Air Flow Rate	H/M/L (UL)	CMM	58.00/50.00/43.00	72.00/61.00/50.00
			l/s	966.67/833.33/716.67	1,200.00/1,016.67/833.33
External Pressure		mmAq	5.00/7.34/20.00	5.00/7.34/20.00	
	Min / Std / Max	Pa	49.03/71.98/196.13	49.03/71.98/196.13	
Piping Connections	Liquid Pipe	Φ, mm		9.52	9.52
		Φ, inch		3/8"	3/8"
	Gas Pipe	Φ, mm		19.05	19.05
		Φ, inch		3/4"	3/4"
Drain Pipe	Φ, mm		VP25 (OD 25, ID 20)	VP25 (OD 25, ID 20)	
Field Wiring	Power Source Wire	mm <sup>2</sup>		-	-
	Transmission Cable	mm <sup>2</sup>		0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type			R410A	R410A
	Control Method			EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	High / Mid / Low	dB(A)	43.0/39.0/35.0	44.0/40.0/36.0
	Sound Power	Cooling	dB(A)	80.0	81.0
Dimensions	Net Weight		kg	82.50	82.50
	Shipping Weight		kg	92.00	92.00
	Net Dimensions (W×H×D)		mm	1350 x 450 x 910	1350 x 450 x 910
	Shipping Dimensions (W×H×D)		mm	1612 x 519 x 984	1612 x 519 x 984
Panel Size	Panel model			-	-
	Panel Net Weight		kg	-	-
	Shipping Weight		kg	-	-
	Net Dimensions (W×H×D)		mm	-	-
Additional Accessories	Drain pump	Drain pump - / Model name		MDP-G075SP	MDP-G075SP
	Air Filter	Max. lifting Height / Displacement	mm / liter/h	-	-

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### Optional Accessories

<p>Individual Controllers</p> <p>MWR-WE10N MWR-SH10N MWR-SH00N MR-EH00 MRK-A10N</p>	<p>Drain Pump</p> <p>MDP-G075SP (External Type) MDP-G075SQ (Internal Type)</p>	<p>Individual Controllers</p> <p>MWR-WE10N MWR-SH10N MWR-SH00N MR-EH00 MRK-A10N</p>	<p>Drain Pump</p> <p>MDP-G075SP (External Type) MDP-G075SQ (Internal Type)</p>
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# DVMS SPECIFICATION Indoor Units

## MSP Duct



- Narrow Width
- Strong and Large Coverage Area
- Silent Operation with the Static Pressure Control
- Easy to Maintain
- New Communication Protocol

MSP Duct			AM022FNMDEH	AM028FNMDEH	AM036FNMDEH	AM045FNMDEH	AM056FNMDEH	AM071FNMDEH	AM090FNMDEH	AM112FNMDEH
Power Supply	Φ, #, V, Hz		1,2.220-240.50	1,2.220-240.50	1,2.220-240.50	1,2.220-240.50	1,2.220-240.50	1,2.220-240.50	1,2.220-240.50	1,2.220-240.50
Mode			HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	2.20	2.80	3.60	4.50	5.60	7.10	9.00
		Btu/h	7,500	9,600	12,300	15,400	19,100	24,200	30,700	38,200
Power	Power Input (Nominal)	Cooling	kW	2.50	3.20	4.00	5.00	6.30	8.00	10.00
		Btu/h	8,500	10,900	13,600	17,100	21,500	27,300	34,100	42,700
Fan	Motor	Cooling	W	80.00	80.00	85.00	125.00	130.00	190.00	240.00
		Heating	W	80.00	80.00	85.00	125.00	130.00	190.00	240.00
Fan	Air Flow Rate	Cooling	A	0.40	0.40	0.55	1.15	1.10	1.25	1.30
		Heating	A	0.40	0.40	0.55	1.15	1.10	1.25	1.30
Fan	Output x n	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
		W		69 x 1	69 x 1	112 x 1	219 x 1	124 x 1	124 x 1	130 x 1
Fan	Air Flow Rate	CMM		8.50/9.20/7.50	10.00/9.20/7.50	12.00/10.20/8.80	14.00/12.00/10.50	14.50/13.00/11.50	18.50/17.00/15.50	19.50/18.00/16.50
		l/s		141.67/125.00/105.00	166.67/153.33/125.00	200.00/170.00/146.67	233.33/200.00/175.00	241.67/216.67/191.67	308.33/283.33/258.33	325.00/300.00/275.00
Fan	External Pressure	mmAq		0.00/2.00/6.00	0.00/2.00/6.00	0.00/2.00/6.00	0.00/4.00/8.00	0.00/4.00/8.00	0.00/4.00/8.00	4.00/6.00/8.00
		Pa		0.00/19.61/58.84	0.00/19.61/58.84	0.00/19.61/58.84	0.00/39.23/78.45	0.00/39.23/78.45	0.00/39.23/78.45	39.23/58.84/78.45
Piping Connections	Liquid Pipe	Φ, mm		6.35	6.35	6.35	6.35	6.35	9.52	9.52
		Φ, inch		1/4"	1/4"	1/4"	1/4"	1/4"	3/8"	3/8"
Piping Connections	Gas Pipe	Φ, mm		12.70	12.70	12.70	12.70	15.88	15.88	15.88
		Φ, inch		1/2"	1/2"	1/2"	1/2"	5/8"	5/8"	5/8"
Piping Connections	Drain Pipe	Φ, mm		VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
		mm <sup>2</sup>		1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
Field Wiring	Power Source Wire	mm <sup>2</sup>		0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
		mm <sup>2</sup>		0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type			R410A	R410A	R410A	R410A	R410A	R410A	R410A
				EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	High / Mid / Low		23.0/21.0/19.0	24.0/22.0/19.0	29.0/27.0/24.0	32.0/30.0/28.0	35.0/33.0/31.0	39.0/35.0/31.0	40.0/37.0/34.0
		Cooling		47.0	48.0	60.0	63.0	66.0	71.0	71.0
Dimensions	Net Weight			23.50	23.50	23.50	29.00	29.00	34.00	36.00
		kg		28.00	28.00	28.00	33.00	33.00	39.00	42.00
Dimensions	Shipping Weight			900 x 199 x 600	900 x 199 x 600	900 x 199 x 600	900 x 260 x 480	900 x 260 x 480	900 x 260 x 480	1150 x 260 x 480
		mm		1150 x 280 x 710	1150 x 280 x 710	1150 x 280 x 710	1170 x 340 x 595	1170 x 340 x 595	1170 x 340 x 595	1420 x 340 x 595
Panel Size	Panel model			-	-	-	-	-	-	-
		kg		-	-	-	-	-	-	-
Panel Size	Shipping Weight			-	-	-	-	-	-	-
		mm		-	-	-	-	-	-	-
Additional Accessories	Drain pump	- / Model name		MDP-E07SSEE3D	MDP-E07SSEE3D	MDP-E07SSEE3D	MDP-M07SSGU3D	MDP-M07SSGU3D	MDP-M07SSGU3D	MDP-M07SSGU1D
		mm / liter/h		-	-	-	-	-	-	-
Additional Accessories	Air Filter			-	-	-	-	-	-	-
				-	-	-	-	-	-	-

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### Optional Accessories



# DVMS SPECIFICATION \_Indoor Units



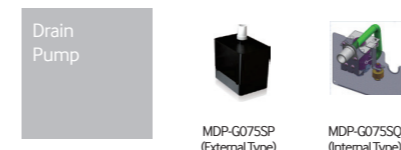
## Duct S (MSP)

- The Slimmest and The Lightest Design
- 3-Way Service
- Wi-Fi Control (Optional)
- Virus Doctor (Optional)
- Automatic ESP Adjustment
- Easier Drain Pump Installation
- High Efficient Heat Exchanger
- New Communication Protocol

Duct S (MSP)				AM036HNMPKH	AM045HNMPKH	AM056HNMPKH	AM071HNMPKH	AM090HNMPKH	AM112HNMPKH
Power Supply		Φ, #, V, Hz		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode		-		HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	3.60	4.50	5.60	7.10	9.00	11.20
			Btu/h	12,300	15,400	19,100	24,200	30,700	38,200
		Heating	kW	4.00	5.00	6.30	8.00	10.00	12.50
			Btu/h	13,600	17,100	21,500	27,300	34,100	42,700
Power	Power Input (Nominal)	Cooling	W	50.00	60.00	70.00	120.00	145.00	165.00
			Heating	50.00	60.00	70.00	120.00	145.00	165.00
	Current Input (Nominal)	Cooling	A	0.50	0.60	0.70	1.00	1.20	1.40
			Heating	0.50	0.60	0.70	1.00	1.20	1.40
Fan	Motor	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
		Output x n	W	153 x 1	153 x 1	153 x 1	153 x 1	153 x 1	244 x 1
	Air Flow Rate	H/M/L (UL)	CMM	12.00/9.50/8.00	14.00/11.00/8.00	16.00/13.50/11.00	22.00/19.00/16.00	29.00/25.00/22.00	35.00/29.00/22.00
			l/s	200.00/158.33/133.33	233.33/183.33/133.33	266.67/225.00/183.33	366.67/316.67/266.67	483.33/416.67/366.67	583.33/483.33/366.67
External Pressure	Min / Std / Max	mmAq	0.00/2.50/15.00	0.00/3.00/15.00	0.00/3.00/15.00	0.00/3.00/15.00	0.00/4.00/15.00	0.00/5.20/15.00	
		Pa	0.00/24.52/147.10	0.00/29.42/147.10	0.00/29.42/147.10	0.00/29.42/147.10	0.00/39.23/147.10	0.00/50.99/147.10	
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35	9.52	9.52	9.52	
		Φ, inch	1/4"	1/4"	1/4"	3/8"	3/8"	3/8"	
	Gas Pipe	Φ, mm	12.70	12.70	12.70	15.88	15.88	15.88	
		Φ, inch	1/2"	1/2"	1/2"	5/8"	5/8"	5/8"	
Drain Pipe	Φ, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)		
Field Wiring	Power Source Wire	mm <sup>2</sup>	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	
	Transmission Cable	mm <sup>2</sup>	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A	R410A	
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	
Sound	Sound Pressure	High / Mid / Low	dB(A)	32.0/29.0/26.0	32.0/30.0/27.0	33.0/30.0/27.0	37.0/33.0/29.0	38.0/35.0/32.0	38.0/35.0/32.0
		Cooling	dB(A)	47.0	49.0	49.0	57.0	58.0	62.0
Dimensions	Net Weight	kg	25.50	25.50	25.50	25.50	32.50	38.50	
	Shipping Weight	kg	30.00	30.00	30.00	30.00	38.00	44.50	
	Net Dimensions (W×H×D)	mm	850 x 250 x 700	850 x 250 x 700	850 x 250 x 700	850 x 250 x 700	1200 x 250 x 700	1300 x 300 x 700	
	Shipping Dimensions (W×H×D)	mm	1064 x 320 x 784	1064 x 320 x 784	1064 x 320 x 784	1064 x 320 x 784	1429 x 320 x 779	1529 x 370 x 779	
Panel Size	Panel model	-	-	-	-	-	-	-	
	Panel Net Weight	kg	-	-	-	-	-	-	
	Shipping Weight	kg	-	-	-	-	-	-	
	Net Dimensions (W×H×D)	mm	-	-	-	-	-	-	
Additional Accessories	Drain pump	Drain pump	- / Model name	MDP-G075SP	MDP-G075SP	MDP-G075SP	MDP-G075SP	MDP-G075SP	MDP-G075SP
		Max. lifting Height / Displacement	mm / liter/h	-	-	-	-	-	-
Air Filter	-	-	-	-	-	-	-	-	

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### Optional Accessories

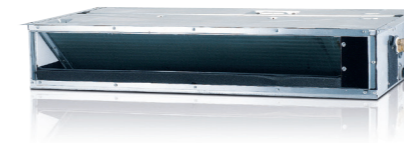


# DVMS SPECIFICATION Indoor Units



## Duct S (MSP)

- The Slimmest and The Lightest Design
- 3-Way Service
- Wi-Fi Control (Optional)
- Virus Doctor (Optional)
- Automatic ESP Adjustment
- Easier Drain Pump Installation
- High Efficient Heat Exchanger
- New Communication Protocol



## LSP Duct

- Flexible Installation
- Easier Drain Pump Installation
- Slim Design
- Easy to Maintain
- New Communication Protocol

Duct S (MSP)				AM128HNMPKH	AM140HNMPKH
Model Code					
Power Supply		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	
Mode		-	HP/HR	HP/HR	
Performance	Capacity (Nominal)	Cooling	kW	12.80	14.00
			Btu/h	43,700	47,800
		Heating	kW	13.80	16.00
			Btu/h	47,100	54,600
Power	Power Input (Nominal)	Cooling	W	175.00	215.00
		Heating	W	175.00	215.00
	Current Input (Nominal)	Cooling	A	1.50	1.70
		Heating	A	1.50	1.70
Fan	Motor	Type	-	Sirocco Fan	Sirocco Fan
		Output x n	W	244 x 1	244 x 1
	Air Flow Rate	H/M/L (UL)	CMM	38.00/32.00/25.00	42.00/34.00/25.00
			l/s	633.33/533.33/416.67	700.00/566.67/416.67
External Pressure	Min / Std / Max	mmAq	0.00/5.20/15.00	0.00/5.20/15.00	
		Pa	0.00/50.99/147.10	0.00/50.99/147.10	
Piping Connections	Liquid Pipe	Φ, mm	9.52	9.52	
		Φ, inch	3/8"	3/8"	
	Gas Pipe	Φ, mm	15.88	15.88	
		Φ, inch	5/8"	5/8"	
Drain Pipe	Φ, mm	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)		
	Power Source Wire	mm <sup>2</sup>	1.5~2.5	1.5~2.5	
Field Wiring	Transmission Cable	mm <sup>2</sup>	0.75~1.5	0.75~1.5	
		Type	-	R410A	
Refrigerant	Control Method	-	EEV INCLUDED	EEV INCLUDED	
		Sound Pressure	High / Mid / Low	dB(A)	39.0/36.0/32.0
Sound	Sound Power	Cooling	dB(A)	62.0	64.0
		Net Weight	kg	38.50	38.50
Dimensions	Shipping Weight	kg	44.50	44.50	
		Net Dimensions (W×H×D)	mm	1300 x 300 x 700	1300 x 300 x 700
	Shipping Dimensions (W×H×D)	mm	1529 x 370 x 779	1529 x 370 x 779	
		Panel model	-	-	
Panel Size	Panel Net Weight	kg	-	-	
		Shipping Weight	kg	-	-
	Net Dimensions (W×H×D)	mm	-	-	
		Shipping Dimensions (W×H×D)	mm	-	-
Additional Accessories	Drain pump	Drain pump - / Model name	MDP-G075SP	MDP-G075SP	
		Max. lifting Height / Displacement	mm / liter/h	-	-
Air Filter	-	-	-		

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LSP Duct					AM017FNLDEH	AM022FNLDEH	AM028FNLDEH/EU
Model Code							
Power Supply		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode		-	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	1.70	2.20	2.80	
			Btu/h	5,800	7,500	9,600	
		Heating	kW	1.90	2.50	3.20	
			Btu/h	6,500	8,500	10,900	
Power	Power Input (Nominal)	Cooling	W	55.00	55.00	60.00	
		Heating	W	55.00	55.00	60.00	
	Current Input (Nominal)	Cooling	A	0.30	0.30	0.32	
		Heating	A	0.30	0.30	0.32	
Fan	Motor	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan	
		Output x n	W	41 x 1	69 x 1	-	
	Air Flow Rate	H/M/L (UL)	CMM	5.50/4.30/3.20	7.00/6.10/5.30	7.50/6.60/5.60	
			l/s	91.67/71.67/53.33	116.67/101.67/88.33	125.00/110.00/93.33	
External Pressure	Min / Std / Max	mmAq	0.00/1.00/3.00	0.00/1.00/3.00	0.00/1.00/3.00		
		Pa	0.00/9.81/29.42	0.00/9.81/29.42	0.00/9.81/29.42		
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35		
		Φ, inch	1/4"	1/4"	1/4"		
	Gas Pipe	Φ, mm	12.70	12.70	12.70		
		Φ, inch	1/2"	1/2"	1/2"		
Drain Pipe	Φ, mm	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)			
	Power Source Wire	mm <sup>2</sup>	1.5~2.5	1.5~2.5	1.5~2.5		
Field Wiring	Transmission Cable	mm <sup>2</sup>	0.75~1.50	0.75~1.50	0.75~1.50		
		Type	-	R410A	R410A		
Refrigerant	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED		
		Sound Pressure	High / Mid / Low	dB(A)	23.0/22.0/20.0	26.0/24.0/21.0	28.0/26.0/23.0
Sound	Sound Power	Cooling	dB(A)	49.0	49.0	49.0	
		Net Weight	kg	19.00	19.00	19.00	
Dimensions	Shipping Weight	kg	23.00	23.00	23.00		
		Net Dimensions (W×H×D)	mm	700 x 199 x 600	700 x 199 x 600	700 x 199 x 600	
	Shipping Dimensions (W×H×D)	mm	950 x 270 x 710	950 x 270 x 710	950 x 270 x 710		
		Panel model	-	-			
Panel Size	Panel Net Weight	kg	-	-			
		Shipping Weight	kg	-	-		
	Net Dimensions (W×H×D)	mm	-	-			
		Shipping Dimensions (W×H×D)	mm	-	-		
Additional Accessories	Drain pump	Drain pump - / Model name	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D		
		Max. lifting Height / Displacement	mm / liter/h	-	-	-	
Air Filter	-	-	-				

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### Optional Accessories



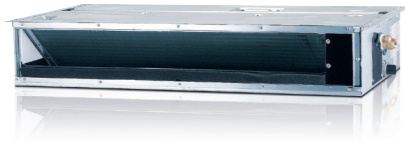
### Optional Accessories





# DVMS SPECIFICATION Indoor Units

## LSP Duct



- Flexible Installation
- Easier Drain Pump Installation
- Slim Design
- Easy to Maintain
- New Communication Protocol

LSP Duct				AM036FNLDEH/EU	AM045FNLDEH/EU	AM056FNLDEH/EU	AM071FNLDEH/EU	AM090FNLDEH/EU	AM112FNLDEH/EU	AM128FNLDEH/EU	AM140FNLDEH/EU
Power Supply	Φ, #, V, Hz			1,2.220-240,50	1,2.220-240,50	1,2.220-240,50	1,2.220-240,50	1,2.220-240,50	1,2.220-240,50	1,2.220-240,50	1,2.220-240,50
Mode				HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	3.60	4.50	5.60	7.10	9.00	11.20	12.80	14.00
			Btu/h	12,300	15,400	19,100	24,200	30,700	38,200	43,700	47,800
		Heating	kW	4.00	5.00	6.30	8.00	10.00	12.50	13.80	16.00
			Btu/h	13,600	17,100	21,500	27,300	34,100	42,700	47,100	54,600
Power	Power Input (Nominal)	Cooling	W	65.00	90.00	95.00	120.00	170.00	170.00	200.00	220.00
			W	65.00	90.00	95.00	120.00	170.00	170.00	200.00	220.00
	Current Input (Nominal)	Cooling	A	0.33	0.52	0.53	0.60	0.96	0.96	1.28	1.43
			A	0.33	0.52	0.53	0.60	0.96	0.96	1.28	1.43
Fan	Motor	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
		Output x n	W	-	-	-	-	-	-	-	-
	Air Flow Rate	H/M/L (UL)	CMM	7.50/6.60/5.60	11.00/9.60/8.30	12.00/10.50/9.00	16.50/15.00/13.50	29.00/27.00/25.00	31.20/29.00/27.00	34.00/32.00/30.00	36.00/34.00/32.00
			l/s	125.00/110.00/93.33	183.33/160.00/138.33	200.00/175.00/150.00	275.00/250.00/225.00	483.33/450.00/416.67	520.00/483.33/450.00	566.67/533.33/500.00	600.00/566.67/533.33
	External Pressure	Min / Std / Max	mmAq	0.00/1.00/3.00	0.00/2.00/4.00	0.00/2.00/4.00	0.00/2.00/4.00	0.00/3.00/6.00	0.00/3.00/6.00	0.00/3.00/6.00	0.00/3.00/6.00
			Pa	0.00/9.81/29.42	0.00/19.61/39.23	0.00/19.61/39.23	0.00/19.61/39.23	0.00/29.42/58.84	0.00/29.42/58.84	0.00/29.42/58.84	0.00/29.42/58.84
Piping Connections	Liquid Pipe	Φ, mm		6.35	6.35	6.35	9.52	9.52	9.52	9.52	9.52
		Φ, inch		1/4"	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"
	Gas Pipe	Φ, mm		12.70	12.70	12.70	15.88	15.88	15.88	15.88	15.88
		Φ, inch		1/2"	1/2"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"
	Drain Pipe	Φ, mm		VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Field Wiring	Power Source Wire	mm <sup>2</sup>		1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5
	Transmission Cable	mm <sup>2</sup>		0.75~1.50	0.75~1.50	0.75~1.50	0.75~1.50	0.75~1.50	0.75~1.50	0.75~1.50	0.75~1.50
Refrigerant	Type			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Control Method			EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	High / Mid / Low	dB(A)	32.0/30.0/27.0	35.0/31.0/26.0	36.0/34.0/31.0	38.0/36.0/33.0	37.0/36.0/34.0	37.0/36.0/34.0	37.0/36.0/34.0	39.0/38.0/36.0
		Cooling	dB(A)	51.0	53.0	55.0	57.0	66.0	66.0	66.0	68.0
Dimensions	Net Weight	kg		19.50	23.50	23.50	30.00	44.00	44.00	46.00	46.00
	Shipping Weight	kg		23.50	28.00	28.00	35.00	52.00	52.00	54.00	54.00
	Net Dimensions (W×H×D)	mm		700 x 199 x 600	900 x 199 x 600	900 x 199 x 600	1100 x 199 x 600	1300 x 295 x 690	1300 x 295 x 690	1300 x 295 x 690	1300 x 295 x 690
	Shipping Dimensions (W×H×D)	mm		950 x 270 x 710	1150 x 280 x 710	1150 x 280 x 710	1350 x 280 x 710	1575 x 370 x 835	1575 x 370 x 835	1575 x 370 x 835	1575 x 370 x 835
Panel Size	Panel model			-	-	-	-	-	-	-	-
	Panel Net Weight	kg		-	-	-	-	-	-	-	-
	Shipping Weight	kg		-	-	-	-	-	-	-	-
	Net Dimensions (W×H×D)	mm		-	-	-	-	-	-	-	-
	Shipping Dimensions (W×H×D)	mm		-	-	-	-	-	-	-	-
Additional Accessories	Drain pump	- / Model name		MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D
		Max. lifting Height / Displacement	mm / liter/h	-	-	-	-	-	-	-	-
	Air Filter			-	-	-	-	-	-	-	-

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### Optional Accessories



# DVMS SPECIFICATION Indoor Units

## AR5000



- Entirely New Design for Powerful Performance
- Eliminates the virus twice by Filter and Virus Doctor
- Secure the easy Installation and pipe connection

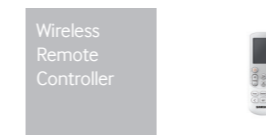
AR5000				AM015JNADKH	AM022JNADKH	AM028JNADKH	AM036JNADKH	AM045JNADKH	AM056JNADKH	AM071JNADKH
Power Supply	Φ, #, V, Hz		1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60
Mode			HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	1.50	2.20	2.80	3.60	4.50	5.60	7.10
			Btu/h	5,100	7,500	9,600	12,300	15,400	19,100	24,200
		Heating	kW	1.70	2.50	3.20	4.00	5.00	6.30	8.00
			Btu/h	5,800	8,500	10,900	13,600	17,100	21,500	27,300
Power	Power Input (Nominal)	Cooling	W	14.00	15.00	16.00	20.00	31.00	27.00	41.00
		Heating	W	16.00	18.00	24.00	28.00	41.00	37.00	53.00
	Current Input (Nominal)	Cooling	A	0.12	0.13	0.13	0.15	0.24	0.21	0.31
		Heating	A	0.13	0.15	0.19	0.20	0.31	0.29	0.41
Fan	Motor	Type	-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
		Output x n	W	27 x 1	27 x 1	27 x 1	27 x 1	27 x 1	27 x 1	27 x 1
	Air Flow Rate	H/M/L (UL)	CMM	4.40/4.20/3.80	5.40/4.70/4.00	5.70/5.00/4.30	7.10/5.70/4.60	8.90/7.50/6.00	11.80/10.00/8.20	14.80/12.40/10.00
			l/s	73.33/70.00/63.33	90.00/78.33/66.67	95.00/83.33/71.67	118.33/95.00/76.67	148.33/125.00/100.00	196.67/166.67/136.67	246.67/206.67/166.67
External Pressure	Min / Std / Max	mmAq	-	-	-	-	-	-	-	-
		Pa	-	-	-	-	-	-	-	-
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35	6.35	6.35	6.35	6.35	9.52
		Φ, inch	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	3/8"
	Gas Pipe	Φ, mm	12.70	12.70	12.70	12.70	12.70	12.70	12.70	15.88
		Φ, inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	5/8"
Drain Pipe	Φ, mm	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	
Field Wiring	Power Source Wire	mm <sup>2</sup>	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5
	Transmission Cable	mm <sup>2</sup>	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Control Method	-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure	High / Mid / Low	dB(A)	26.0/24.0/21.0	33.0/28.0/23.0	35.0/30.0/25.0	36.0/32.0/29.0	40.0/37.0/33.0	39.0/35.0/32.0	44.0/40.0/36.0
	Sound Power	Cooling	dB(A)	44.0	50.0	53.0	54.0	57.0	57.0	61.0
Dimensions	Net Weight		kg	7.90	7.90	7.80	9.50	9.50	14.30	14.30
	Shipping Weight		kg	9.50	9.50	9.20	11.40	11.40	16.70	16.70
	Net Dimensions (W×H×D)		mm	750 x 249 x 246	750 x 249 x 246	750 x 249 x 246	826 x 261 x 261	826 x 261 x 261	1065 x 301 x 294	1065 x 301 x 294
	Shipping Dimensions (W×H×D)		mm	800 x 298 x 302	800 x 298 x 302	800 x 298 x 302	886 x 317 x 335	886 x 317 x 335	1123 x 354 x 384	1123 x 354 x 384
	Panel model		-	-	-	-	-	-	-	-
Panel Size	Panel Net Weight		kg	-	-	-	-	-	-	-
	Shipping Weight		kg	-	-	-	-	-	-	-
	Net Dimensions (W×H×D)		mm	-	-	-	-	-	-	-
	Shipping Dimensions (W×H×D)		mm	-	-	-	-	-	-	-
	Drain pump	Drain pump	- / Model name	-	-	-	-	-	-	-
Additional Accessories	Max. lifting Height / Displacement	mm / liter/h	-	-	-	-	-	-	-	-
	Air Filter		-	-	-	-	-	-	-	-

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 \* These products contain R410A which is fluorinated greenhouse gas.

### Optional Accessories



### Standard Accessories



# DVMS SPECIFICATION Indoor Units

## AR5000



- Entirely New Design for Powerful Performance
- Eliminates the virus twice by Filter and Virus Doctor
- Secure the easy Installation and pipe connection

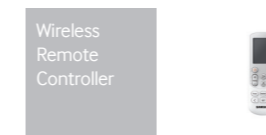
AR5000				AM015JNVDKH	AM022JNVDKH	AM028JNVDKH	AM036JNVDKH	AM045JNVDKH	AM056JNVDKH	AM071JNVDKH	AM082JNVDKH
Power Supply	Φ, #, V, Hz			1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60
Mode				HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	1.50	2.20	2.80	3.60	4.50	5.60	7.10	8.20
			Btu/h	5,100	7,500	9,600	12,300	15,400	19,100	24,200	28,000
		Heating	kW	1.70	2.50	3.20	4.00	5.00	6.30	8.00	8.50
			Btu/h	5,800	8,500	10,900	13,600	17,100	21,500	27,300	29,000
Power	Power Input (Nominal)	Cooling	W	14.00	15.00	16.00	20.00	31.00	27.00	41.00	55.00
			Heating	16.00	18.00	24.00	28.00	41.00	37.00	53.00	72.00
	Current Input (Nominal)	Cooling	A	0.12	0.13	0.13	0.15	0.24	0.21	0.31	0.42
			Heating	0.13	0.15	0.19	0.20	0.31	0.29	0.41	0.55
Fan	Motor	Type	-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
		Output x n	W	27 x 1	27 x 1	27 x 1	27 x 1	27 x 1	27 x 1	27 x 1	27 x 1
	Air Flow Rate	H/M/L (UL)	CMM	4.40/4.20/3.80	5.40/4.70/4.00	5.70/5.00/4.30	7.10/5.70/4.60	8.90/7.50/6.00	11.80/10.00/8.20	14.80/12.40/10.00	16.70/14.30/12.40
			l/s	73.33/70.00/63.33	90.00/78.33/66.67	95.00/83.33/71.67	118.33/95.00/76.67	148.33/125.00/100.00	196.67/166.67/136.67	246.67/206.67/166.67	278.33/238.33/206.67
External Pressure	Min / Std / Max	mmAq	-	-	-	-	-	-	-	-	-
		Pa	-	-	-	-	-	-	-	-	-
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35	6.35	6.35	6.35	6.35	9.52	9.52
		Φ, inch	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	3/8"	3/8"
	Gas Pipe	Φ, mm	12.70	12.70	12.70	12.70	12.70	12.70	12.70	15.88	15.88
		Φ, inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	5/8"	5/8"
Drain Pipe	Φ, mm	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	
Field Wiring	Power Source Wire	mm <sup>2</sup>	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5
		Transmission Cable	mm <sup>2</sup>	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	High / Mid / Low	dB(A)	28.0/25.0/24.0	33.0/29.0/25.0	36.0/31.0/25.0	37.0/34.0/30.0	41.0/38.0/34.0	39.0/36.0/33.0	44.0/41.0/36.0	47.0/43.0/40.0
		Cooling	dB(A)	44.0	50.0	53.0	54.0	57.0	57.0	61.0	65.0
Dimensions	Net Weight	kg	8.10	8.10	8.20	9.80	9.60	14.60	14.60	14.60	14.60
		Shipping Weight	kg	9.70	9.70	9.80	11.70	11.20	17.00	17.00	17.00
	Net Dimensions (W×H×D)	mm	750 x 249 x 246	750 x 249 x 246	750 x 249 x 246	826 x 261 x 261	826 x 261 x 261	1065 x 301 x 294	1065 x 301 x 294	1065 x 301 x 294	1065 x 301 x 294
		Shipping Dimensions (W×H×D)	mm	800 x 298 x 302	800 x 298 x 302	800 x 298 x 302	886 x 317 x 335	886 x 317 x 335	1123 x 354 x 384	1123 x 354 x 384	1123 x 354 x 384
Panel Size	Panel model	-	-	-	-	-	-	-	-	-	-
		Panel Net Weight	kg	-	-	-	-	-	-	-	-
	Shipping Weight	kg	-	-	-	-	-	-	-	-	-
		Net Dimensions (W×H×D)	mm	-	-	-	-	-	-	-	-
Shipping Dimensions (W×H×D)	mm	-	-	-	-	-	-	-	-	-	
	mm	-	-	-	-	-	-	-	-	-	
Additional Accessories	Drain pump	Drain pump	- / Model name	-	-	-	-	-	-	-	-
		Max. lifting Height / Displacement	mm / liter/h	-	-	-	-	-	-	-	-
Air Filter	-	-	-	-	-	-	-	-	-	-	

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### Optional Accessories



### Standard Accessories



# DVMS SPECIFICATION \_Indoor Units



## Neo Forte

- Clean-cut Front Panel
- Silver Accent Line
- Bottom Opening Front Panel
- New Communication Protocol

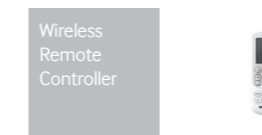
Neo Forte				AM015HNTDEH	AM022FNTDEH	AM028FNTDEH	AM036FNTDEH	AM056FNTDEH	AM071FNTDEH
Power Supply		Φ, #, V, Hz		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode		-		HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	1.50	2.20	2.80	3.60	5.60	6.80
			Btu/h	5,100	7,500	9,600	12,300	19,100	23,200
		Heating	kW	1.70	2.50	3.20	4.00	6.30	7.00
			Btu/h	5,800	8,500	10,900	13,600	21,500	23,900
Power	Power Input (Nominal)	Cooling	W	25.00	25.00	25.00	30.00	45.00	50.00
		Heating	W	25.00	25.00	25.00	30.00	45.00	50.00
	Current Input (Nominal)	Cooling	A	0.16	0.16	0.16	0.18	0.27	0.30
		Heating	A	0.16	0.16	0.16	0.18	0.27	0.30
Fan	Motor	Type	-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
		Output x n	W	23 x 1	23 x 1	23 x 1	23 x 1	40 x 1	40 x 1
	Air Flow Rate	H/M/L (UL)	CMM	5.40/5.10/4.80	7.80/6.80/5.80	7.80/6.80/5.80	9.30/8.30/7.30	12.00/10.50/9.00	14.00/12.50/11.00
			l/s	90.00/85.00/80.00	130.00/113.33/96.67	130.00/113.33/96.67	155.00/138.33/121.67	200.00/175.00/150.00	233.33/208.33/183.33
External Pressure	Min / Std / Max	mmAq	-	-	-	-	-	-	
		Pa	-	-	-	-	-	-	
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35	6.35	6.35	9.52	
		Φ, inch	1/4"	1/4"	1/4"	1/4"	1/4"	3/8"	
	Gas Pipe	Φ, mm	12.70	12.70	12.70	12.70	12.70	15.88	
		Φ, inch	1/2"	1/2"	1/2"	1/2"	1/2"	5/8"	
Drain Pipe		Φ, mm	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE		
Field Wiring	Power Source Wire		mm <sup>2</sup>	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	
		Transmission Cable	mm <sup>2</sup>	0.75~1.50	0.75~1.50	0.75~1.50	0.75~1.50	0.75~1.50	
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	
	Control Method		-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	
Sound	Sound Pressure	High / Mid / Low	dB(A)	26.0/25.0/24.0	30.0/28.0/26.0	30.0/28.0/26.0	36.0/32.0/28.0	42.0/39.0/35.0	44.0/41.0/35.0
		Cooling	dB(A)	43.0	48.0	48.0	53.0	57.0	59.0
Dimensions	Net Weight		kg	8.80	8.00	8.00	8.00	13.00	13.00
		Shipping Weight	kg	11.00	11.00	11.00	11.00	16.00	16.00
	Net Dimensions (W×H×D)		mm	825 x 285 x 189	825 x 285 x 189	825 x 285 x 189	825 x 285 x 189	1065 x 298 x 218	1065 x 298 x 218
		Shipping Dimensions (W×H×D)	mm	910 x 353 x 263	904 x 353 x 263	910 x 358 x 258	910 x 358 x 258	1137 x 377 x 299	1137 x 377 x 299
Panel Size	Panel Net Weight		kg	-	-	-	-	-	
		Shipping Weight	kg	-	-	-	-	-	
	Net Dimensions (W×H×D)		mm	-	-	-	-	-	
		Shipping Dimensions (W×H×D)	mm	-	-	-	-	-	
Additional Accessories	Drain pump	Drain pump	- / Model name	-	-	-	-	-	
		Max. lifting Height / Displacement	mm / liter/h	-	-	-	-	-	
Air Filter			-	-	-	-	-		

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### Optional Accessories



### Standard Accessories



# DVMS SPECIFICATION \_Indoor Units



## Neo Forte

- Clean-cut Front Panel
- Silver Accent Line
- Bottom Opening Front Panel
- New Communication Protocol

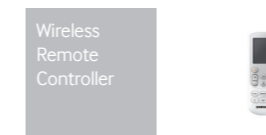
Neo Forte				AM015HNQDEH	AM022FNQDEH	AM028FNQDEH	AM036FNQDEH	AM045FNQDEH	AM056FNQDEH	AM071FNQDEH
Power Supply		Φ, #, V, Hz		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode		-		HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	1.50	2.20	3.60	4.50	5.60	6.80	8.80
			Btu/h	5,100	7,500	12,300	15,400	19,100	23,200	
		Heating	kW	1.70	2.50	4.00	5.00	6.30	7.00	
			Btu/h	5,800	8,500	13,600	17,100	21,500	23,900	
Power	Power Input (Nominal)	Cooling	W	25.00	25.00	25.00	30.00	40.00	45.00	50.00
		Heating	W	25.00	25.00	25.00	30.00	40.00	45.00	50.00
	Current Input (Nominal)	Cooling	A	0.16	0.16	0.16	0.18	0.24	0.27	0.30
		Heating	A	0.16	0.16	0.16	0.18	0.24	0.27	0.30
Fan	Motor	Type	-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
		Output x n	W	23 x 1	23 x 1	23 x 1	23 x 1	40 x 1	40 x 1	40 x 1
	Air Flow Rate	H/M/L (UL)	CMM	5.40/5.10/4.80	7.80/6.80/5.80	7.80/6.80/5.80	9.30/8.30/7.30	11.70/10.20/8.70	13.00/10.50/9.00	14.00/12.50/11.00
			l/s	90.00/85.00/80.00	130.00/113.33/96.67	130.00/113.33/96.67	155.00/138.33/121.67	195.00/170.00/145.00	216.67/175.00/150.00	233.33/208.33/183.33
External Pressure	Min / Std / Max	mmAq	-	-	-	-	-	-	-	-
		Pa	-	-	-	-	-	-	-	-
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35	6.35	6.35	6.35	6.35	9.52
		Φ, inch	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	3/8"
	Gas Pipe	Φ, mm	12.70	12.70	12.70	12.70	12.70	12.70	12.70	15.88
		Φ, inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	5/8"
Drain Pipe	Φ, mm	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	
Field Wiring	Power Source Wire	mm <sup>2</sup>	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5
		Transmission Cable	mm <sup>2</sup>	0.75~1.50	0.75~1.50	0.75~1.50	0.75~1.50	0.75~1.50	0.75~1.50	0.75~1.50
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	High / Mid / Low	dB(A)	26.0/25.0/24.0	31.0/29.0/26.0	31.0/29.0/26.0	37.0/33.0/29.0	39.0/37.0/34.0	42.0/39.0/35.0	45.0/40.0/35.0
		Cooling	dB(A)	43.0	49.0	49.0	54.0	55.0	58.0	60.0
Dimensions	Net Weight	kg	8.80	8.30	8.30	8.30	13.50	13.50	13.50	13.50
		Shipping Weight	kg	11.30	11.30	11.30	11.30	16.50	16.50	16.50
	Net Dimensions (W×H×D)	mm	825 x 285 x 189	825 x 285 x 189	825 x 285 x 189	825 x 285 x 189	1065 x 298 x 218	1065 x 298 x 218	1065 x 298 x 218	1065 x 298 x 218
		Shipping Dimensions (W×H×D)	mm	910 x 358 x 258	904 x 353 x 263	904 x 353 x 263	904 x 353 x 263	1137 x 377 x 299	1137 x 377 x 299	1137 x 377 x 299
Panel Size	Panel model	-	-	-	-	-	-	-	-	-
		Panel Net Weight	kg	-	-	-	-	-	-	-
	Shipping Weight	kg	-	-	-	-	-	-	-	-
		Net Dimensions (W×H×D)	mm	-	-	-	-	-	-	-
Shipping Dimensions (W×H×D)	mm	-	-	-	-	-	-	-	-	
	mm	-	-	-	-	-	-	-	-	
Additional Accessories	Drain pump	Drain pump	- / Model name	-	-	-	-	-	-	-
		Max. lifting Height / Displacement	mm / liter/h	-	-	-	-	-	-	-
Air Filter	-	-	-	-	-	-	-	-	-	

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### Optional Accessories



### Standard Accessories



# DVMS SPECIFICATION \_Indoor Units



## Console

- Slim & Smart Design
- 2Way Air Outlet
- Silent Operation
- New Communication Protocol

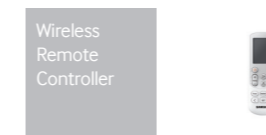
Neo Forte				AM022KNJDEH	AM028FNJDEH	AM036FNJDEH	AM045KNJDEH	AM056FNJDEH
Power Supply	Φ, #, V, Hz			1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode				HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	2.20	2.80	3.60	4.50	5.60
			Btu/h	7,500	9,600	12,300	15,400	19,100
		Heating	kW	2.50	3.20	4.00	5.00	6.30
			Btu/h	8,500	10,900	13,600	17,100	21,500
Power	Power Input (Nominal)	Cooling	W	16.00	30.00	35.00	36.00	62.00
			Heating	16.00	30.00	35.00	36.00	62.00
	Current Input (Nominal)	Cooling	A	0.13	0.25	0.29	0.30	0.49
			Heating	0.13	0.25	0.29	0.30	0.49
Fan	Motor	Type	-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
		Output x n	W	37 x 1	37 x 1	37 x 1	37 x 1	37 x 1
	Air Flow Rate	H/M/L (UL)	CMM	6.30/5.40/4.90	7.00/6.00/5.00	8.50/7.50/6.50	11.30/9.80/8.20	13.00/11.50/10.00
			l/s	105.00/90.00/81.67	116.67/100.00/83.33	141.67/125.00/108.33	188.33/163.33/136.67	216.67/191.67/166.67
External Pressure	Min / Std / Max	mmAq	-	-	-	-	-	
		Pa	-	-	-	-	-	
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35	6.35	6.35	
		Φ, inch	1/4"	1/4"	1/4"	1/4"	1/4"	
	Gas Pipe	Φ, mm	12.70	12.70	12.70	12.70	12.70	
		Φ, inch	1/2"	1/2"	1/2"	1/2"	1/2"	
Drain Pipe		Φ, mm	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	
Field Wiring	Power Source Wire		mm <sup>2</sup>	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5
	Transmission Cable		mm <sup>2</sup>	0.75~1.50	0.75~1.50	0.75~1.50	0.75~1.50	0.75~1.50
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	High / Mid / Low	dB(A)	34.0/32.0/30.0	38.0/36.0/34.0	39.0/37.0/34.0	42.0/39.0/36.0	43.0/40.0/37.0
			Cooling	dB(A)	52.0	58.0	59.0	63.0
Dimensions	Net Weight		kg	15.50	16.00	16.00	16.00	16.00
	Shipping Weight		kg	20.50	21.00	21.00	21.00	21.00
	Net Dimensions (W×H×D)		mm	720 x 620 x 199	720 x 620 x 199	720 x 620 x 199	720 x 620 x 199	720 x 620 x 199
	Shipping Dimensions (W×H×D)		mm	810 x 710 x 295	810 x 710 x 295	810 x 710 x 295	810 x 710 x 295	810 x 710 x 295
	Panel model		-	-	-	-	-	-
Panel Size	Panel Net Weight		kg	-	-	-	-	-
	Shipping Weight		kg	-	-	-	-	-
	Net Dimensions (W×H×D)		mm	-	-	-	-	-
	Shipping Dimensions (W×H×D)		mm	-	-	-	-	-
	Additional Accessories	Drain pump	Drain pump	- / Model name	-	-	-	-
	Max. lifting Height / Displacement	mm / liter/h	-	-	-	-	-	-
	Air Filter		-	-	-	-	-	-

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 \* These products contain R410A which is fluorinated greenhouse gas.

### Optional Accessories



### Standard Accessories



# DVMS SPECIFICATION \_Indoor Units



## Ceiling

- 2Way Installation
- Compact but Powerful
- New Communication Protocol



## Big Ceiling

- Powerful Cooling
- Long wind distance
- Virus Doctor (Option)
- Easy to maintain
- New Communication Protocol

Ceiling				AM056FNCDEH	AM071FNCDEH
Model Code					
Power Supply		Φ, #, V, Hz		1,2,220-240,50	1,2,220-240,50
Mode		-		HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	5.60	7.10
		Btu/h	19,100	24,200	
	Heating	kW	6.30	8.00	
		Btu/h	21,500	27,300	
Power	Power Input (Nominal)	Cooling	W	72.00	80.00
		Heating	W	72.00	77.00
	Current Input (Nominal)	Cooling	A	0.33	0.35
		Heating	A	0.28	0.29
Fan	Motor	Type	-	Sirocco Fan	Sirocco Fan
		Output x n	W	60 x 1	120 x 1
	Air Flow Rate	H/M/L (UL)	CMM	14.00/13.00/12.00	18.00/16.50/15.00
		l/s	233.33/216.67/200.00	300.00/275.00/250.00	
External Pressure	Min / Std / Max	mmAq	-	-	
	Pa	-	-	-	
Piping Connections	Liquid Pipe	Φ, mm	6.35	9.52	
		Φ, inch	1/4"	3/8"	
	Gas Pipe	Φ, mm	12.70	15.88	
		Φ, inch	1/2"	5/8"	
Field Wiring	Drain Pipe	Φ, mm	ID 18 HOSE	ID 18 HOSE	
	Power Source Wire	mm <sup>2</sup>	1.5 ~ 2.5	1.5 ~ 2.5	
Refrigerant	Transmission Cable	mm <sup>2</sup>	0.75 ~ 1.50	0.75 ~ 1.50	
	Type	-	R410A	R410A	
Sound	Control Method	-	EEV NOT INCLUDED	EEV NOT INCLUDED	
		Sound Pressure	High / Mid / Low	dB(A)	40.0/37.0/34.0
	Sound Power	Cooling	dB(A)	60.0	63.0
Dimensions	Net Weight	kg	21.00	21.00	
	Shipping Weight	kg	25.50	25.50	
	Net Dimensions (W×H×D)	mm	1000 x 650 x 200	1000 x 650 x 200	
	Shipping Dimensions (W×H×D)	mm	1080 x 730 x 300	1080 x 730 x 300	
Panel Size	Panel model	-	-	-	
	Panel Net Weight	kg	-	-	
	Shipping Weight	kg	-	-	
	Net Dimensions (W×H×D)	mm	-	-	
Additional Accessories	Shipping Dimensions (W×H×D)	mm	-	-	
	Drain pump	Drain pump - / Model name	-	-	
	Max. lifting Height / Displacement	mm / liter/h	-	-	
	Air Filter	-	-	-	

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Big Ceiling				AM112JNCDKH	AM140JNCDKH
Model Code					
Power Supply		Φ, #, V, Hz		1,2,220-240,50/60	1,2,220-240,50/60
Mode		-		HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	11.20	14.00
		Btu/h	38,200	47,800	
	Heating	kW	12.50	16.00	
		Btu/h	42,700	54,600	
Power	Power Input (Nominal)	Cooling	W	92.00	160.00
		Heating	W	80.00	160.00
	Current Input (Nominal)	Cooling	A	0.94	1.45
		Heating	A	0.83	1.45
Fan	Motor	Type	-	Sirocco Fan	Sirocco Fan
		Output x n	W	260 x 1	355 x 1
	Air Flow Rate	H/M/L (UL)	CMM	29.30/23.90/18.50	36.40/30.80/26.00
		l/s	488.33/398.33/308.33	606.67/513.33/433.33	
External Pressure	Min / Std / Max	mmAq	-	-	
	Pa	-	-	-	
Piping Connections	Liquid Pipe	Φ, mm	9.52	9.52	
		Φ, inch	3/8"	3/8"	
	Gas Pipe	Φ, mm	15.88	15.88	
		Φ, inch	5/8"	5/8"	
Field Wiring	Drain Pipe	Φ, mm	VP25 (OD 25, ID 20)	VP25 (OD 25, ID 20)	
	Power Source Wire	mm <sup>2</sup>	1.5 ~ 2.5	1.5 ~ 2.5	
Refrigerant	Transmission Cable	mm <sup>2</sup>	0.75 ~ 1.50	0.75 ~ 1.50	
	Type	-	R410A	R410A	
Sound	Control Method	-	EEV INCLUDED	EEV INCLUDED	
		Sound Pressure	High / Mid / Low	dB(A)	45.0/41.0/37.0
	Sound Power	Cooling	dB(A)	61.0	63.0
Dimensions	Net Weight	kg	33.50	42.50	
	Shipping Weight	kg	39.50	48.50	
	Net Dimensions (W×H×D)	mm	1350 x 675 x 235	1650 x 675 x 235	
	Shipping Dimensions (W×H×D)	mm	1439 x 758 x 321	1739 x 758 x 321	
Panel Size	Panel model	-	-	-	
	Panel Net Weight	kg	-	-	
	Shipping Weight	kg	-	-	
	Net Dimensions (W×H×D)	mm	-	-	
Additional Accessories	Shipping Dimensions (W×H×D)	mm	-	-	
	Drain pump	Drain pump - / Model name	-	-	
	Max. lifting Height / Displacement	mm / liter/h	-	-	
	Air Filter	-	-	-	

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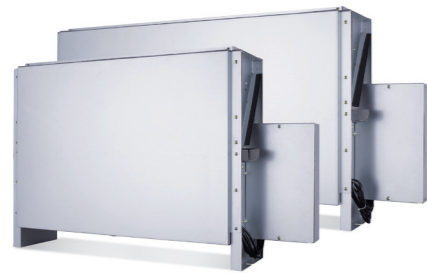
### Optional Accessories



### Optional Accessories



# DVMS SPECIFICATION Indoor Units



## Concealed Floor Standing

- Ideal for installation beneath a window
- Ideal for perimeter refurbishments
- New Communication Protocol



## ERV Plus

- Slim Design
- Virus Doctor (Optional)
- Direct Expansion (DX) Coil
- New Diamond Type Element
- New Communication Protocol

Concealed Floor Standing				AM036FNFDEH	AM056FNFDEH	AM071FNFDEH
Model Code						
Power Supply		Φ, #, V, Hz		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode				HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	3.60	5.60	7.10
			Btu/h	12,300	19,100	24,200
		Heating	kW	4.00	6.30	8.00
			Btu/h	13,600	21,500	27,300
Power	Power Input (Nominal)	Cooling	W	50.00	110.00	110.00
		Heating	W	50.00	110.00	110.00
	Current Input (Nominal)	Cooling	A	0.24	0.53	0.53
		Heating	A	0.24	0.53	0.53
Fan	Motor	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan
		Output x n	W	-	-	-
	Air Flow Rate	CMM		10.00/8.50/6.00	15.50/14.00/11.00	15.50/14.00/11.00
		H/M/L (UL) l/s		166.67/141.67/100.00	258.33/233.33/183.33	258.33/233.33/183.33
External Pressure	mmAq		-	-	-	
	Pa		-	-	-	
Piping Connections	Liquid Pipe	Φ, mm		6.35	6.35	9.52
		Φ, inch		1/4"	1/4"	3/8"
	Gas Pipe	Φ, mm		12.70	12.70	15.88
		Φ, inch		1/2"	1/2"	5/8"
Field Wiring	Power Source Wire	mm <sup>2</sup>		1.5~2.5	1.5~2.5	1.5~2.5
	Transmission Cable	mm <sup>2</sup>		0.75~1.50	0.75~1.50	0.75~1.50
Refrigerant	Type			R410A	R410A	R410A
	Control Method			EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	High / Mid / Low	dB(A)	37.0/32.0/27.0	40.0/36.0/32.0	40.0/36.0/32.0
	Sound Power	Cooling	dB(A)	64.0	67.0	67.0
Dimensions	Net Weight		kg	23.00	28.50	28.50
	Shipping Weight		kg	27.00	33.30	33.30
	Net Dimensions (W×H×D)		mm	945 x 600 x 220	1225 x 600 x 220	1225 x 600 x 220
	Shipping Dimensions (W×H×D)		mm	1035 x 690 x 310	1335 x 690 x 310	1335 x 690 x 310
Panel Size	Panel model			-	-	-
	Panel Net Weight		kg	-	-	-
	Shipping Weight		kg	-	-	-
	Net Dimensions (W×H×D)		mm	-	-	-
Additional Accessories	Drain pump	Drain pump - / Model name		-	-	-
	Air Filter	Max. lifting Height / Displacement	mm / liter/h	-	-	-

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ERV Plus				AM050FNKDEH	AM100FNKDEH
Model Code					
Power Supply		Φ, #, V, Hz		1,2,208-230,60	1,2,208-230,60
Mode				HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling <sup>2)</sup>	kW	3.60	7.10
			Btu/h	12,300	24,200
		Heating <sup>2)</sup>	kW	4.00	8.00
			Btu/h	13,600	27,300
Power	Power Input (Nominal)	Cooling <sup>1)</sup>	W	220.00	510.00
		Heating <sup>1)</sup>	W	220.00	510.00
	Current Input (Nominal)	Cooling <sup>1)</sup>	A	1.70	3.70
		Heating <sup>1)</sup>	A	1.70	3.70
Fan	Motor	Type	-	Sirocco Fan / BLDC	Sirocco Fan / BLDC
		Output x n	W	60 x 2	70 x 2
	Air Flow Rate	CMM		8.33/8.33/6.00	16.67/16.67/11.50
		H/M/L (UL) l/s		138.83/138.83/100.00	277.83/277.83/191.67
External Pressure	mmAq		8.70/10.20/16.32	7.60/9.20/15.30	
	Pa		85.32/100.03/160.04	74.53/90.02/150.04	
Piping Connections	Liquid Pipe	Φ, mm		6.35	6.35
		Φ, inch		1/4"	1/4"
	Gas Pipe	Φ, mm		12.70	12.70
		Φ, inch		1/2"	1/2"
Field Wiring	Power Source Wire	mm <sup>2</sup>		1.5~2.5	1.5~2.5
	Transmission Cable	mm <sup>2</sup>		0.75~1.50	0.75~1.50
Refrigerant	Type			R410A	R410A
	Control Method			EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	High / Mid / Low	dB(A)	36.0/32.0/28.0	36.0/34.0/31.0
	Sound Power	Cooling	dB(A)	67.0	67.0
Dimensions	Net Weight		kg	61.00	90.00
	Shipping Weight		kg	75.20	107.50
	Net Dimensions (W×H×D)		mm	1553 x 270 x 1000	1763 x 340 x 1135
	Shipping Dimensions (W×H×D)		mm	1847 x 349 x 1300	2027 x 428 x 1424
Panel Size	Panel model			-	-
	Panel Net Weight		kg	-	-
	Shipping Weight		kg	-	-
	Net Dimensions (W×H×D)		mm	-	-
Additional Accessories	Drain pump	Drain pump - / Model name		-	-
	Air Filter	Max. lifting Height / Displacement	mm / liter/h	-	-

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### Optional Accessories



### Optional Accessories





# DVMS SPECIFICATION \_Outdoor Units



## DVM S Hydro

DIGITAL VARIABLE MULTI

- 50°C or 80°C Hot Water Supply
- Integrated Control System
- New Communication Protocol

DVM S Hydro Unit(HE)				AM160FNBDEH	AM160FNBDEH(60Hz)	AM320FNBDEH	AM320FNBDEH(60Hz)	AM500FNBDEH	AM500FNBDEH(60Hz)
Power Supply		Φ, #, V, Hz		1,2,220-240,50	1,2,208-230,60	1,2,220-240,50	1,2,208-230,60	1,2,220-240,50	1,2,208-230,60
Mode				HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling <sup>2)</sup>	kW	14.00	14.00	28.00	28.00	44.80	44.80
			Btu/h	47,800	47,800	95,500	95,500	152,900	152,900
		Heating <sup>2)</sup>	kW	16.00	16.00	31.50	31.50	50.40	50.40
			Btu/h	54,600	54,600	107,500	107,500	172,000	172,000
Power	Power Input (Nominal)	Cooling <sup>1)</sup>	W	10.00	10.00	10.00	10.00	10.00	10.00
			Heating <sup>2)</sup>	10.00	10.00	10.00	10.00	10.00	10.00
	Current Input (Nominal)	Cooling <sup>1)</sup>	A	0.05	0.05	0.05	0.05	0.05	0.05
			Heating <sup>2)</sup>	0.05	0.05	0.05	0.05	0.05	0.05
Fan	Type		-	-	-	-	-	-	-
	Motor	Output x n	W	-	-	-	-	-	-
	Air Flow Rate	H/M/L (UL)	CMM	-	-	-	-	-	-
			l/s	-	-	-	-	-	-
	External Pressure	Min / Std / Max	mmAq	-	-	-	-	-	-
Pa			-	-	-	-	-	-	
Piping Connections	Liquid Pipe	Φ, mm	9.52	9.52	9.52	9.52	12.70	12.70	
		Φ, inch	3/8"	3/8"	3/8"	3/8"	1/2"	1/2"	
	Gas Pipe	Φ, mm	15.88	15.88	22.22	22.22	28.58	28.58	
		Φ, inch	5/8"	5/8"	7/8"	7/8"	1 1/8"	1 1/8"	
	Drain Pipe	Φ, mm	-	-	-	-	-	-	
Field Wiring	Power Source Wire	mm <sup>2</sup>	2.5~2.5	2.5~2.5	2.5~2.5	2.5~2.5	2.5~2.5	2.5~2.5	
	Transmission Cable	mm <sup>2</sup>	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	
	Control Method		EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	
Sound <sup>3)</sup>	Sound Pressure	High / Mid / Low	dB(A)	27.0/-/-	27.0/-/-	28.0/-/-	28.0/-/-	31.0/-/-	31.0/-/-
		Cooling	dB(A)	-	-	-	-	-	-
Dimensions	Net Weight	kg	29.00	29.00	33.00	33.00	40.00	40.00	
	Shipping Weight	kg	31.00	31.00	35.00	35.00	42.00	42.00	
	Net Dimensions (W×H×D)	mm	518 x 627 x 330	518 x 627 x 330	518 x 627 x 330	518 x 627 x 330	518 x 627 x 330	518 x 627 x 330	
	Shipping Dimensions (W×H×D)	mm	652 x 700 x 426	652 x 700 x 426	652 x 700 x 426	652 x 700 x 426	652 x 700 x 426	652 x 700 x 426	
	Panel model		-	-	-	-	-	-	
Panel Size	Panel Net Weight	kg	-	-	-	-	-	-	
	Shipping Weight	kg	-	-	-	-	-	-	
	Net Dimensions (W×H×D)	mm	-	-	-	-	-	-	
	Shipping Dimensions (W×H×D)	mm	-	-	-	-	-	-	
Additional Accessories	Drain pump	- / Model name	-	-	-	-	-	-	
		Max. lifting Height / Displacement	mm / liter/h	-	-	-	-	-	
	Air Filter		-	-	-	-	-	-	

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<sup>1)</sup> Nominal cooling capacities are based on; Water temperature: 23°C inlet, 18°C outlet / Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature: 35°C DB, 24°C WB.  
<sup>2)</sup> Nominal heating capacities are based on; Hydro (HD) Water temperature: 30°C inlet, 35°C outlet  
 Hydro (HT) Water temperature: 30°C inlet, 35°C outlet  
 Hydro (HE, HT) Indoor temperature: 20°C DB / Outdoor temperature: 7°C DB, 6°C WB  
<sup>3)</sup> Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.  
 \* These products contain R410A which is fluorinated greenhouse gas.

### Optional Accessories



# DVMS SPECIFICATION \_Outdoor Units



## DVM S Hydro

DIGITAL VARIABLE MULTI

- 50°C or 80°C Hot Water Supply
- Integrated Control System
- New Communication Protocol

DVM S Hydro Unit(HT)				AM160FNBFEF	AM160FNBFEF(60Hz)	AM160FNBFGF	AM160FNBFGF(60Hz)	AM250FNBFEF	AM250FNBFEF(60Hz)	AM250FNBFGF	AM250FNBFGF(60Hz)
Power Supply	Φ, #, V, Hz			1,2,220-240,50	1,2,208-230,60	3,4,380-415,50	3,4,380,60	1,2,220-240,50	1,2,208-230,60	3,4,380-415,50	3,4,380,60
Mode				HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling <sup>2)</sup>	kW	-	-	-	-	-	-	-	-
			Btu/h	-	-	-	-	-	-	-	-
		Heating <sup>2)</sup>	kW	16.00	16.00	16.00	16.00	25.00	25.00	25.00	25.00
			Btu/h	54,600	54,600	54,600	54,600	85,300	85,300	85,300	85,300
Power	Power Input (Nominal)	Cooling <sup>1)</sup>	W	-	-	-	-	-	-	-	-
		Heating <sup>2)</sup>	W	3100.00	3100.00	3100.00	3100.00	5000.00	5000.00	5000.00	5000.00
	Current Input (Nominal)	Cooling <sup>1)</sup>	A	-	-	-	-	-	-	-	-
		Heating <sup>2)</sup>	A	14.30	14.30	4.85	4.85	23.10	23.10	7.85	7.85
Fan	Type			-	-	-	-	-	-	-	-
	Motor	Output x n	W	-	-	-	-	-	-	-	-
	Air Flow Rate		CMM	-	-	-	-	-	-	-	-
			l/s	-	-	-	-	-	-	-	-
	External Pressure		mmAq	-	-	-	-	-	-	-	-
		Pa	-	-	-	-	-	-	-	-	
Piping Connections	Liquid Pipe	Φ, mm		9.52	9.52	9.52	9.52	9.52	9.52	9.52	9.52
		Φ, inch		3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
	Gas Pipe	Φ, mm		15.88	15.88	15.88	15.88	15.88	15.88	15.88	15.88
		Φ, inch		5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
Drain Pipe	Φ, mm		-	-	-	-	-	-	-	-	
Field Wiring	Power Source Wire	mm <sup>2</sup>		4~4	4~4	2.5~2.5	2.5~2.5	4~4	4~4	2.5~2.5	2.5~2.5
	Transmission Cable	mm <sup>2</sup>		0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5
Refrigerant	Type			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Control Method			EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound <sup>3)</sup>	Sound Pressure	High / Mid / Low	dB(A)	42.0/-/-	42.0/-/-	42.0/-/-	42.0/-/-	42.0/-/-	42.0/-/-	42.0/-/-	42.0/-/-
	Sound Power	Cooling	dB(A)	-	-	-	-	-	-	-	-
Dimensions	Net Weight		kg	104.00	104.00	104.00	104.00	104.00	104.00	104.00	104.00
	Shipping Weight		kg	107.00	107.00	107.00	107.00	107.00	107.00	107.00	107.00
	Net Dimensions (W×H×D)		mm	518 x 1210 x 330	518 x 1210 x 330	518 x 1210 x 330	518 x 1210 x 330	518 x 1210 x 330	518 x 1210 x 330	518 x 1210 x 330	518 x 1210 x 330
	Shipping Dimensions (W×H×D)		mm	652 x 1289 x 426	652 x 1289 x 426	652 x 1289 x 426	652 x 1289 x 426	652 x 1286 x 426	652 x 1286 x 426	652 x 1286 x 426	652 x 1286 x 426
Panel Size	Panel model			-	-	-	-	-	-	-	-
	Panel Net Weight		kg	-	-	-	-	-	-	-	-
	Shipping Weight		kg	-	-	-	-	-	-	-	-
	Net Dimensions (W×H×D)		mm	-	-	-	-	-	-	-	-
Additional Accessories	Drain pump			-	-	-	-	-	-	-	-
	Max. lifting Height / Displacement	mm / liter/h		-	-	-	-	-	-	-	-
Air Filter				-	-	-	-	-	-	-	

\* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.  
 \*1) Nominal cooling capacities are based on ; Water temperature : 23°C inlet, 18°C outlet / Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, 24°C WB.  
 \*2) Nominal heating capacities are based on ; Hydro (H) Water temperature : 30°C inlet, 35°C outlet  
 Hydro (HT) Water temperature : 30°C inlet, 35°C outlet  
 Hydro (HE, HT) Indoor temperature : 20°C DB / Outdoor temperature : 7°C DB, 6°C WB  
 \*3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.  
 \* These products contain R410A which is fluorinated greenhouse gas.

### Optional Accessories



# DVMS SPECIFICATION \_Indoor Units



## OAP Duct

- Flexible Installation
- Highly Efficient BLDC Motor
- Quiet Operation
- Flexible Static - Pressure Control



## PAC

### Medium

- Powerful and clean cooling
- 4Way Auto swing
- Full touch panel control
- Auto shutter

### Large

- 18m long-range air flow
- Duct installation for a large space

OAP Duct (Outdoor Air Processing Duct)				AM140JNEPEH	AM280JNEPEH
Model Code					
Power Supply		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	
Mode			HP/HR	HP/HR	
Performance	Capacity (Nominal)	Cooling <sup>2)</sup>	kW	14.00	28.00
			Btu/h	47,800	95,500
		Heating <sup>2)</sup>	kW	8.90	17.40
			Btu/h	30,400	59,400
Power	Power Input (Nominal)	Cooling <sup>1)</sup>	W	220.00	370.00
		Heating <sup>2)</sup>		220.00	370.00
	Current Input (Nominal)	Cooling <sup>1)</sup>	A	1.60	3.00
		Heating <sup>2)</sup>		1.60	3.00
Fan	Type			Sirocco Fan	Sirocco Fan
	Motor	Output x n	W	183 x 1	400 x 1
	Air Flow Rate	H/M/L (UL)	CMM	18.00/-/-	35.00/-/-
			l/s	300.00/-/-	583.33/-/-
	External Pressure	Min / Std / Max	mmAq	5.00/20.39/25.00	10.00/25.49/27.50
		Pa	49.03/199.96/245.17	98.07/249.97/269.68	
Piping Connections	Liquid Pipe	Φ, mm	9.52	9.52	
		Φ, inch	3/8"	3/8"	
	Gas Pipe	Φ, mm	15.88	22.22	
		Φ, inch	5/8"	7/8"	
Drain Pipe	Φ, mm	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)		
Field Wiring	Power Source Wire	mm <sup>2</sup>	1.5 ~ 2.5	1.5 ~ 2.5	
	Transmission Cable	mm <sup>2</sup>	0.75 ~ 1.5	0.75 ~ 1.5	
Refrigerant	Type		R410A	R410A	
	Control Method		EEV INCLUDED	EEV INCLUDED	
Sound	Sound Pressure	High / Mid / Low	dB(A)	42.0/-/-	47.0/-/-
	Sound Power	Cooling	dB(A)	65.0	69.0
Dimensions	Net Weight		kg	51.00	85.00
	Shipping Weight		kg	61.00	95.00
	Net Dimensions (W×H×D)		mm	1110 x 390 x 650	1240 x 470 x 1040
	Shipping Dimensions (W×H×D)		mm	1335 x 512 x 829	1507 x 558 x 1155
	Panel model			-	-
Panel Size	Panel Net Weight		kg	-	-
	Shipping Weight		kg	-	-
	Net Dimensions (W×H×D)		mm	-	-
	Shipping Dimensions (W×H×D)		mm	-	-
Additional Accessories	Drain pump	- / Model name		MDP-N047SNCOD	MDP-N047SNC1D
	Max. lifting Height / Displacement	mm / liter/h		-	-
	Air Filter			-	-

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PAC				AM140JNPDKH	AM280JNPDKH
Model Code					
Power Supply		Φ, #, V, Hz	1,2,220-240,50/60	1,2,220-240,50	
Mode			HP/HR	HP/HR	
Performance	Capacity (Nominal)	Cooling	T1 (kW)	14.00	28.00
			T3 (kW)	47,800	95,500
		Heating	T1 (kW)	16.00	31.50
			T3 (kW)	54,600	107,500
Power	Power Input (Nominal)	Cooling	T1 (W)	190.00	955.00
		Heating	T3 (W)	190.00	955.00
	Current Input (Nominal)	Cooling	T1 (A)	0.90	4.73
		Heating	T3 (A)	0.90	4.73
Fan	Type			Sirocco Fan	Sirocco Fan
	Motor	Output x n	W	154 x 1	700 x 1
	Air Flow Rate	H/M/L (UL)	CMM	35.00/30.50/27.50	70.00/60.00/50.00
			l/s	583.33/508.33/458.33	1,166.67/1,000.00/833.33
	External Pressure	Min / Std / Max	mmAq	9.52	9.52
		Pa	3/8"	3/8"	
Piping Connections	Liquid Pipe	Φ, mm	15.88	22.22	
		Φ, inch	5/8"	7/8"	
	Gas Pipe	Φ, mm	ID 18 HOSE	ID 18 HOSE	
		Φ, inch	2.5	2.5	
Drain Pipe	Φ, mm	VCTF 0.75 ~ 1.5	VCTF 0.75 ~ 1.5		
Field Wiring	Power Source Wire	mm <sup>2</sup>	R410A	R410A	
	Transmission Cable	mm <sup>2</sup>	EEV INCLUDED	EEV INCLUDED	
Refrigerant	Type		54.0/-/47.0	58.0/-/54.0	
	Control Method		-	-	
Sound	Sound Pressure	High	dB(A)	48.00	115.00
	Net Weight		kg	55.00	130.00
Dimensions	Shipping Weight		kg	610 x 1850 x 400	1100 x 1800 x 485
	Net Dimensions (W×H×D)		mm	705 x 1963 x 493	1177 x 1950 x 563
	Shipping Dimensions (W×H×D)		mm	-	-
	Panel model			-	-
	Panel Net Weight		kg	-	-
Panel Size	Shipping Weight		kg	-	-
	Net Dimensions (W×H×D)		mm	-	-
	Shipping Dimensions (W×H×D)		mm	-	-
	Shipping Dimensions (W×H×D)		mm	-	-
Additional Accessories	Drain pump	- / Model name		-	-
	Max. lifting Height / Displacement	mm / liter/h		-	-
	Air Filter			-	-

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### Optional Accessories

Individual Controllers



MWR-WE10N

Drain Pump



MDP-N047SNC1D

### Optional Accessories

Individual Controllers



MWR-WE10N



MWR-SH10N

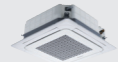
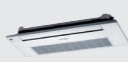


















MWR-SH00N

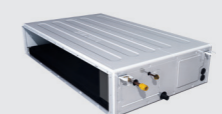
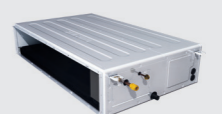















MR-EH00




# CAC LINE UP & FEATURE \_Indoor Unit






CASSETTE					
MODEL					
		4Way S	4Way S (600x600)	Slim 1Way	360Cassette
CAPACITY (kW)	2.6		●	●	
	3.5		●	●	
	5.2	●	●		
	6.0		●		
	7.1	●	●		●
	9.0	●			●
	10.0	●			●
	12.0				● (12.0)
12.5	●				
14.0	●			●	
FEATURES	 Powerful Airflow	●	●	●	●
	 Ceiling Dust Prevention	●	●	●	●
	 Fresh Air Intake	●	●		●
	 High Lift-up Drain Pump	●	●	●	●
	 Sub Duct	●	●		
	 Virus Doctor (Optional)	●	●		●
	 Motion Detect Seosor (Optional)		●		
	 Smart Wi-Fi (Optional)	●	●		●

CONSOLE & CEILING		
MODEL		
	Console	Ceiling (AC4000)
CAPACITY	2.8	●
	3.6	●
	5.6	●
	7.1	
	10	●
	12	●
	14	●
16	●	
FEATURES	 Virus Doctor	●
	 Interior Design	●
	 Anti-virus Filter	●
	 Lightweight Unit	●
	 Flexible Pipe Installation	●

DUCT			
MODEL	Delux MSP	Delux LSP	Premium HSP
			
	Duct S		Duct S (AC6000)
CAPACITY (kW)	2.6		●
	3.5	●	●
	5	●	●
	6	●	
	7.1	●	●
	9	●	
	10	●	
	12	●	
	14	●	
	18		
20			●
25			(TBD)
FEATURES	 The Slimmest Design	●	●
	 High Efficient H.EX	●	●
	 Auto E.S.P Adjustment	●	●
	 3-way Service	●	●
	 Smart Pressure Control	●	●
	 Easier drain pump installation	●	●
	 High Lift-up Drain Pump	●	●
	 Pre Filter	●	●
	 Easy Filter Cleaning	●	●
	 Virus Doctor (Optional)	●	●
 Smart Wi-Fi (Optional)	●	●	
 Zone Control (Optional)	●	●	

# CAC LINE UP & FEATURE \_Indoor Unit

WALL-MOUNTED		
MODEL		Maldives
CAPACITY	2.6	●
	3.5	●
	5.2	●
	7.1	●
FEATURES	 Deodorizing Filter	●
	 good sleep	●

CAC Nordic				
MODEL				
		4way Cassette Nordic (600x600)	4way Cassette Nordic	Duct S Nordic
CAPACITY (kW)	2.6	●		
	3.5	●		●
	7.1			●
	10 (1ph)			●
	10 (3ph)			●
FEATURES	 Motion Detect Seosor (Optional)	●		
	 Smart Wi-Fi (Optional)	●	●	●

# CAC SPECIFICATION Indoor Units

## 360 Cassette



- Cold Draft Free
- Perfect even cooling
- Stylish design
- New communication Protocol

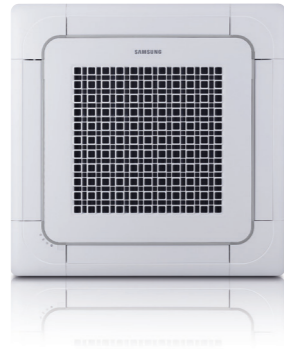
360 Cassette			Indoor Unit	AC071KN4DKH	AC090KN4DKH	AC100KN4DKH	AC100KN4DKH	AC120KN4DKH	AC120KN4DKH	AC140KN4DKH	AC140KN4DKH		
Model Code		Outdoor Unit	AC071KX4DKH	AC090KX4DKH	AC100KX4DKH	AC100KX4DNH	AC120KX4DKH	AC120KX4DNH	AC140KX4DKH	AC140KX4DNH	AC140KX4DNH		
Mode	Mode		HEAT PUMP		HEAT PUMP		HEAT PUMP		HEAT PUMP		HEAT PUMP		
	Capacity	Cooling (Min / Std / Max)	2.20/7.10/8.00		3.00/9.00/11.30		3.00/10.00/12.00		3.50/12.00/13.50		3.50/13.40/15.50		
		Heating (Min / Std / Max)	1.90/8.00/9.00		2.20/10.00/13.90		2.20/11.20/15.50		3.50/13.00/15.50		3.50/15.50/18.00		
	Power	Power Input (Nominal)	0.35/2.49/3.95		0.60/2.82/4.46		0.60/3.40/4.70		0.90/4.70/5.30		0.80/4.18/6.44		
		Current Input (Nominal)	2.00/11.10/17.00		3.00/12.70/19.40		3.00/15.10/20.40		4.30/20.50/23.00		3.70/18.20/28.00		
	System	MCA	19.50 (MCA)		24.50 (MCA)		24.50 (MCA)		26.50 (MCA)		33.50 (MCA)		
		MFA	21.45		26.95		26.95		29.15		36.85		
		EER (Nominal Cooling)	2.85		3.19		2.94		2.55		3.21		
		COP (Nominal Heating)	3.33		3.77		3.56		3.25		3.60		
		Energy Efficiency	Energy Grade (C)	SEER 6.2 (A++)		SEER 6.8 (A++)		SEER 6.8 (A++)		SEER 5.7 (A+)		SEER 5.7 (A+)	
		Energy Grade (H)	SCOP 4.1 (A+)		SCOP 4.3 (A+)		SCOP 4.3 (A+)		SCOP 4.1 (A+)		SCOP 3.61		
Piping Connections		Liquid Pipe	φ, mm 6.35		φ, mm 9.52		φ, mm 9.52		φ, mm 9.52		φ, mm 9.52		
		Gas Pipe	φ, mm 15.88		φ, mm 15.88		φ, mm 15.88		φ, mm 15.88		φ, mm 15.88		
Field Wiring		Installation Limitation	Max Length (Outdoor to indoor)		50		50		50		75		
		Max Height (Between ID/OD)	30.0		30.0		30.0		30.0		30.0		
Refrigerant	Power Source Wire	2.5~4		2.5~4		2.5~4		1.5~2.5		1.5~2.5			
	Transmission Cable	0.75~1		0.75~1.25		0.75~1.25		0.75~1.25		0.75~1.25			
Indoor Unit	Type	R410A		R410A		R410A		R410A		R410A			
	Control Method	-		-		-		-		-			
	Factory Charging	1.50		3.00		3.00		3.00		3.50			
	Power Supply	φ, #, V, Hz	1.2,220-240,50		1.2,220-240,50		1.2,220-240,50		1.2,220-240,50		1.2,220-240,50		
	Fan	Type	Turbo Fan		Turbo Fan		Turbo Fan		Turbo Fan		Turbo Fan		
		Motor Output	W		-		-		-		-		
	Drain	Number of Unit	EA		EA		EA		EA		EA		
		Air Flow Rate	High / Mid / Low	17.50/15.90/14.30		30.10/24.40/19.80		31.20/25.50/19.80		32.50/25.50/19.80		32.40/27.10/22.80	
	Sound	External Static Pressure	Min / Std / Max	mmAq 291.67/265.00/238.33		501.67/406.67/330.00		520.00/425.00/330.00		541.67/425.00/330.00		541.67/425.00/330.00	
		Drain Pipe	φ, mm	VP25 (OD 32, ID 25)		VP25 (OD 32, ID 25)		VP25 (OD 32, ID 25)		VP25 (OD 32, ID 25)		VP25 (OD 32, ID 25)	
Panel Size	Sound Pressure	High / Mid / Low	36.0 / 33.0 / 29.0		43.0 / 38.0 / 33.0		44.0 / 39.0 / 33.0		45.0 / 40.0 / 35.0		45.0 / 41.0 / 37.0		
	Sound Power	Cooling	53.0		60.0		61.0		61.0		61.0		
Additional Accessories	Net Weight	21.00		24.00		24.00		24.00		25.50			
	Shipping Weight	25.00		28.50		28.50		28.50		30.00			
Operating Temp. Range	Net Dimensions (WxHxD)	mm 947 x 281 x 947		mm 947 x 365 x 947		mm 947 x 365 x 947		mm 947 x 365 x 947		mm 947 x 365 x 947			
	Shipping Dimensions (WxHxD)	mm 990 x 330 x 990		mm 990 x 414 x 990		mm 990 x 414 x 990		mm 990 x 414 x 990		mm 990 x 414 x 990			
Outdoor Unit	Panel model	PC4NUDMAN		PC4NUDMAN		PC4NUDMAN		PC4NUDMAN		PC4NUDMAN			
	Panel Net Weight	kg 3.6		kg 3.6		kg 3.6		kg 3.6		kg 3.6			
Operating Temp. Range	Shipping Weight	kg 6.0		kg 6.0		kg 6.0		kg 6.0		kg 6.0			
	Net Dimensions (WxHxD)	mm 1000 x 66 x 1000		mm 1000 x 66 x 1000		mm 1000 x 66 x 1000		mm 1000 x 66 x 1000		mm 1000 x 66 x 1000			
Operating Temp. Range	Shipping Dimensions (WxHxD)	mm 1093 x 85 x 1083		mm 1093 x 85 x 1083		mm 1093 x 85 x 1083		mm 1093 x 85 x 1083		mm 1093 x 85 x 1083			
	Drain pump	Drain pump	-		-		-		-		-		
Operating Temp. Range	Max Lifting Height / Displacement	mm/liter/h		-		-		-		-			
	Air Filter	-		-		-		-		-			
Operating Temp. Range	Power Supply	φ, #, V, Hz	1.2,220-240,50		1.2,220-240,50		1.2,220-240,50		1.2,220-240,50		1.2,220-240,50		
	Type	BLDC Rotary		BLDC Rotary		Twin BLDC Rotary		Twin BLDC Rotary		Twin BLDC Rotary			
Operating Temp. Range	Model	UG4T200FUE4		UG8T300FUE4		UG8T300FUE4		UG8T300FUE4		UG8T300FUE4			
	Output	kW 1.79		kW 9.17		kW 9.17		kW 4.12		kW 4.12			
Operating Temp. Range	Oil	Type POE		Type POE		Type POE		Type PVE		Type PVE			
	Initial Charge	cc		cc		cc		cc		cc			
Operating Temp. Range	Fan	Air Flow Rate	Cooling	CMM 58.50		CMM 78.00		CMM 78.00		CMM 111.00			
		Heating	i/s 975.00		i/s 1,300.00		i/s 1,300.00		i/s 1,850.00		i/s 1,850.00		
Operating Temp. Range	Sound	Sound Pressure	Cooling / Heating	dB(A) 49.0 / 51.0		dB(A) 52.0 / 54.0		dB(A) 54.0 / 56.0		dB(A) 53.0 / 54.0			
		Sound Power	Cooling	65.0		69.0		70.0		69.0			
Operating Temp. Range	External Dimension	Net Weight	kg 50.50		kg 72.00		kg 72.00		kg 80.00		kg 92.50		
		Shipping Weight	kg 55.00		kg 77.00		kg 77.00		kg 85.00		kg 102.50		
Operating Temp. Range	Operating Temp. Range	Net Dimensions (WxHxD)	mm 880 x 798 x 310		mm 940 x 998 x 330		mm 940 x 998 x 330		mm 940 x 998 x 330		mm 940 x 1210 x 330		
		Shipping Dimensions (WxHxD)	mm 1023 x 911 x 413		mm 995 x 1096 x 426		mm 995 x 1096 x 426		mm 995 x 1096 x 426		mm 995 x 1338 x 426		
Operating Temp. Range	Operating Temp. Range	Cooling	°C -15~50		°C -15~50		°C -15~50		°C -15~50		°C -15~50		
		Heating	°C -20~24		°C -20~24		°C -20~24		°C -20~24		°C -20~24		

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 \* These products contain R410A which is fluorinated greenhouse gas.

### Optional Accessories



# CAC SPECIFICATION Indoor Units



## 4Way Cassette

- Virus Doctor (Optional)
- Surround Flow
- Individual Blade Control
- Fan Speed Adjustment for High Ceiling

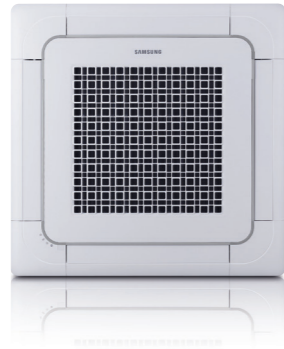
4Way Cassette			Indoor Unit	AC052FB4DEH	AC090FB4DEH	AC071FB4DEH	AC100FB4DEH	AC100FB4DEH	NS1254DXEA	NS1254DXEA	NS1404DXEA
Model Code	Indoor Unit	Outdoor Unit	AC052FCADGH	AC090FCADGH	AC071FCADGH	AC100FCADGH	AC100FCADGH	AC100FCADGH	RC125DHXEB	RC125DHXGA	RC140DHXEB
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Capacity	Cooling (Min / Std / Max)	kW	1.00/5.10/6.00	3.00/9.00/10.00	2.20/7.10/8.00	3.20/10.00/12.00	4.00/10.00/12.00	3.50/12.50/14.00	3.50/12.50/14.00	3.50/12.50/14.00	3.50/14.00/15.50
	Heating (Min / Std / Max)	Btu/h	3,400/17,400/20,500	10,200/30,700/34,100	7,500/24,200/27,300	10,900/34,100/40,900	13,600/34,100/40,900	11,900/42,700/47,800	11,900/42,700/47,800	11,900/42,700/47,800	11,900/47,800/52,900
Power	Cooling (Min / Std / Max)	kW	1.00/5.70/7.00	2.20/10.00/13.90	1.90/8.00/9.00	2.20/11.20/15.50	3.50/11.20/15.50	3.00/14.00/16.20	3.00/14.00/16.20	3.00/14.00/16.20	3.50/16.00/18.00
	Heating (Min / Std / Max)	Btu/h	3,400/19,400/23,900	7,500/34,100/47,400	6,500/27,300/30,700	7,500/38,200/52,900	11,900/38,200/52,900	10,200/47,800/55,300	10,200/47,800/55,300	10,200/47,800/55,300	11,900/54,600/61,400
System	Energy Efficiency	Energy Grade (C)	SEER 6.4(A++)	SEER 5.6(A+)	SEER 6.4(A++)	SEER 5.6(A+)	SEER 5.6(A+)	SEER 5.6(A+)	SEER 5.6(A+)	SEER 5.6(A+)	SEER 5.6(A+)
	Energy Efficiency	Energy Grade (H)	SCOP 4.0(A+)	SCOP 3.8(A)	SCOP 3.9(A)	SCOP 3.8(A)	SCOP 3.8(A)	SCOP 3.8(A)	SCOP 3.8(A)	SCOP 3.8(A)	SCOP 3.8(A)
Piping Connections	Liquid Pipe	Φ, mm	6.35	9.52	6.35	9.52	9.52	9.52	9.52	9.52	9.52
	Gas Pipe	Φ, mm	12.70	15.88	15.88	15.88	15.88	15.88	15.88	15.88	15.88
Field	Power Source Wire	m	2.5~4.0	2.5~4.0	2.5~4.0	2.5~4.0	2.5~4.0	2.5~4.0	2.5~4.0	2.5~4.0	2.5~4.0
	Transmission Cable	m	0.75~1.0	0.75~1.25	0.75~1.0	0.75~1.25	0.75~1.25	0.75~1.25	0.75~1.25	0.75~1.25	0.75~1.25
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Control Method		-	-	-	-	-	-	-	-	-
Power Supply	Type	Φ, #, V, Hz	1.40	3.00	1.80	3.00	3.10	2.90	2.90	2.90	3.40
	Motor	Output	W	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Fan	Air Flow Rate	High / Mid / Low	17.00/15.50/13.00	24.50/21.00/17.50	19.50/16.50/14.50	28.00/25.50/22.00	28.00/25.50/22.00	30.00/24.00/19.00	30.00/24.00/19.00	30.00/24.00/19.00	32.00/28.00/22.00
	External Static Pressure	Min / Std / Max	283.33/258.33/216.67	408.33/350.00/291.67	325.00/275.00/241.67	466.67/425.00/366.67	466.67/425.00/366.67	500.00/400.00/316.67	500.00/400.00/316.67	500.00/400.00/316.67	533.33/466.67/366.67
Drain	Drain Pipe	Φ, mm	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)
	Sound Pressure	High / Mid / Low	35.0 / 32.0 / 29.0	40.0 / 36.0 / 32.0	37.0 / 35.0 / 30.0	44.0 / 39.0 / 34.0	44.0 / 39.0 / 34.0	44.0 / 40.0 / 36.0	44.0 / 40.0 / 36.0	44.0 / 40.0 / 36.0	45.0 / 41.5 / 38.0
External Dimension	Net Weight	kg	15.50	16.00	15.00	16.00	16.00	18.00	18.00	18.00	20.00
	Shipping Weight	kg	19.50	20.50	20.00	20.50	20.50	23.00	23.00	23.00	25.00
Panel Size	Net Dimensions (WxHxD)	mm	840 x 204 x 840	840 x 246 x 840	840 x 204 x 840	840 x 246 x 840	840 x 246 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
	Shipping Dimensions (WxHxD)	mm	898 x 275 x 898	898 x 316 x 898	898 x 274 x 898	898 x 316 x 898	898 x 316 x 898	898 x 357 x 898	898 x 357 x 898	898 x 357 x 898	898 x 357 x 898
Additional Accessories	Drain pump	Max Lifting Height / Displacement	-	-	-	-	-	-	-	-	-
	Air Filter		-	-	-	-	-	-	-	-	-
Compressor	Type	Φ, #, V, Hz	1.2,220-240.50	1.2,220-240.50	1.2,220-240.50	1.2,220-240.50	3.4,380-415.50	1.2,220-240.50	3.4,380-415.50	1.2,220-240.50	1.2,220-240.50
	Model		Twin BLDC Rotary UG4T150FUDJQ	Twin BLDC Rotary UG8T300FUBJUSG	Twin BLDC Rotary UG4T200FUAE4SG	Twin BLDC Rotary UG8T300FUBJUSG	Twin BLDC Rotary UG5T450FUFJXSG	Twin BLDC Rotary UG5T450FUFJXSG	Twin BLDC Rotary UG5T450FUFJXSG	Twin BLDC Rotary UG5T450FUFJXSG	Twin BLDC Rotary UG5T450FUFJXSG
Fan	Air Flow Rate	Cooling	-	63.50	50.00	68.00	68.00	90.50	90.50	90.50	90.50
	Sound Pressure	Cooling / Heating	48.0 / 49.0	51.0 / 52.0	49.0 / 51.0	52.0 / 54.0	52.0 / 54.0	51.0 / 52.0	51.0 / 52.0	51.0 / 52.0	52.0 / 54.0
External Dimension	Net Weight	kg	38.50	72.00	55.00	72.00	81.00	88.00	91.00	88.00	88.00
	Shipping Weight	kg	42.50	77.00	59.00	77.00	86.00	98.00	101.00	98.00	98.00
Operating Temp. Range	Cooling	°C	-15~46	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50
	Heating	°C	-15~24	-20~24	-20~24	-20~24	-20~24	-20~24	-20~24	-20~24	-20~24

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### Optional Accessories

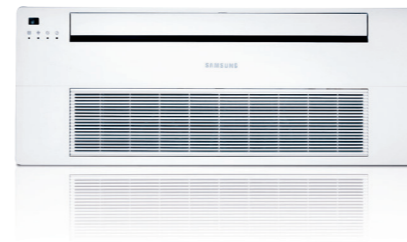


# CAC SPECIFICATION Indoor Units



## 4Way Cassette

- Virus Doctor (Optional)
- Surround Flow
- Individual Blade Control
- Fan Speed Adjustment for High Ceiling



## 1Way Cassette

- Slim and Compact Design
- Quiet Operation
- No Overflowing Drain Water

4Way Cassette			
Model Code		Indoor Unit	NS1404DXEA
		Outdoor Unit	RC140DXGA
Mode		HEAT PUMP	
Capacity	Cooling (Min / Std / Max)	kW	3.50/14.00/15.50
	Heating (Min / Std / Max)	Btu/h	11,900/47,800/52,900
Power	Cooling (Min / Std / Max)	kW	3.50/16.00/18.00
	Heating (Min / Std / Max)	Btu/h	11,900/54,600/61,400
System	Power Input (Nominal)	kW	0.80/4.36/5.40
	Current Input (Nominal)	A	0.70/4.43/6.16
	MCA	A	2.10/7.50/12.00
	MFA	A	2.10/7.40/16.10
	EER (Nominal Cooling)	-	13.00 (MCA)
	COP (Nominal Heating)	-	15.00
Energy Efficiency	Energy Grade	Energy Grade (C)	3.21
	Energy Grade	Energy Grade (H)	3.61
Piping Connections	Liquid Pipe	Φ, mm	9.52
	Gas Pipe	Φ, inch	3/8"
	Installation Limitation	Max. Length (Outdoor to indoor)	15.88
	Max. Height (Between ID/OD)	m	5/8"
Field Wiring	Power Source Wire	-	75
	Transmission Cable	-	30.0
Refrigerant	Type	-	1.5 ~ 2.5
	Control Method	-	0.75 ~ 1.25
Power Supply	Factory Charging	-	R410A
	Control Method	-	-
Fan	Motor	Output	3.40
	Number of Unit	EA	1.2,220-240,50
Drain	Air Flow Rate	High / Mid / Low	Turbo Fan
	External Static Pressure	Min / Std / Max	1.00
Sound	Sound Pressure	High / Mid / Low	32.00/28.00/22.00
	Sound Power	Cooling	533.33/466.67/366.67
External Dimension	Net Weight	kg	-
	Shipping Weight	kg	20.00
Panel Size	Net Dimensions (WxHxD)	mm	25.00
	Shipping Dimensions (WxHxD)	mm	840 x 288 x 840
Additional Accessories	Panel model	-	898 x 357 x 898
	Panel Net Weight	kg	PC4NUSKE
Power Supply	Shipping Weight	kg	5.90
	Shipping Dimensions (WxHxD)	mm	8.40
Compressor	Net Dimensions (WxHxD)	mm	950 x 45 x 950
	Shipping Dimensions (WxHxD)	mm	1005 x 100 x 1005
Fan	Drain pump	Drain pump	-
	Max. Lifting Height / Displacement	mm/liter/h	-
Outdoor Unit	Air Filter	-	-
	Type	Φ, #, V, Hz	3,4,380-415,50
Compressor	Type	-	Twin BLDC Rotary
	Model	-	UGST450FUFJXSG
Fan	Output	kW	4.12
	Oil	Type	POE
Sound	Initial Charge	cc	-
	Air Flow Rate	Cooling	CMM
External Dimension	Sound Pressure	Cooling / Heating	90.50
	Sound Power	Cooling	1,508.33
Panel Size	Net Weight	kg	52.0 / 54.0
	Shipping Weight	kg	-
Additional Accessories	Net Weight	kg	91.00
	Shipping Weight	kg	101.00
Power Supply	Net Dimensions (WxHxD)	mm	940 x 1210 x 330
	Shipping Dimensions (WxHxD)	mm	995 x 1388 x 426
Compressor	Cooling	°C	-15 ~ 50
	Heating	°C	-20 ~ 24

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### Optional Accessories



1Way Cassette			
Model Code		Indoor Unit	AC026FB1DEH
		Outdoor Unit	AC035FCDEH
Mode		HEAT PUMP	
Capacity	Cooling (Min / Std / Max)	kW	0.98/2.60/3.50
	Heating (Min / Std / Max)	Btu/h	3,300/8,900/11,900
Power	Cooling (Min / Std / Max)	kW	0.95/4.00/4.75
	Heating (Min / Std / Max)	Btu/h	3,200/13,600/16,200
System	Power Input (Nominal)	kW	0.25/0.74/1.12
	Current Input (Nominal)	A	0.21/0.91/1.30
	MCA	A	1.60/3.40/5.20
	MFA	A	1.40/4.30/6.40
	EER (Nominal Cooling)	-	10.30 (MCA)
	COP (Nominal Heating)	-	12.50
Energy Efficiency	Energy Grade	Energy Grade (C)	3.51
	Energy Grade	Energy Grade (H)	3.63
Piping Connections	Liquid Pipe	Φ, mm	SEER 5.60 (A+)
	Gas Pipe	Φ, inch	SCOP 3.80 (A)
	Installation Limitation	Max. Length (Outdoor to indoor)	6.35
	Max. Height (Between ID/OD)	m	1/4"
Field Wiring	Power Source Wire	-	9.52
	Transmission Cable	-	3/8"
Refrigerant	Type	-	20
	Control Method	-	15.0
Power Supply	Factory Charging	-	1.5 ~ 1.5
	Control Method	-	0.75 ~ 1.25
Fan	Motor	Output	R410A
	Number of Unit	EA	-
Drain	Air Flow Rate	High / Mid / Low	0.95
	External Static Pressure	Min / Std / Max	1.2,220-240,50
Sound	Sound Pressure	High / Mid / Low	Crossflow Fan
	Sound Power	Cooling	20.00
External Dimension	Net Weight	kg	1.00
	Shipping Weight	kg	8.00/7.00/6.00
Panel Size	Net Dimensions (WxHxD)	mm	133.33/133.33/108.00
	Shipping Dimensions (WxHxD)	mm	-
Additional Accessories	Panel model	-	-
	Panel Net Weight	kg	VP20 (OD 25, ID 20)
Power Supply	Shipping Weight	kg	VP20 (OD 25, ID 20)
	Shipping Dimensions (WxHxD)	mm	30.0 / 27.5 / 25.0
Compressor	Net Weight	kg	52.0
	Shipping Weight	kg	9.90
Fan	Net Dimensions (WxHxD)	mm	12.50
	Shipping Dimensions (WxHxD)	mm	970 x 135 x 410
Sound	Panel model	-	1173 x 231 x 487
	Panel Net Weight	kg	PSSMA
External Dimension	Shipping Weight	kg	3.10
	Shipping Dimensions (WxHxD)	mm	4.50
Panel Size	Net Dimensions (WxHxD)	mm	1180 x 25 x 460
	Shipping Dimensions (WxHxD)	mm	1259 x 144 x 539
Additional Accessories	Drain pump	Drain pump	-
	Max. Lifting Height / Displacement	mm/liter/h	-
Power Supply	Air Filter	-	-
	Type	Φ, #, V, Hz	1,2,220-240,50
Compressor	Type	-	Single BLDC Rotary
	Model	-	UG4C090LUDJR
Fan	Output	kW	0.86
	Oil	Type	POE
Sound	Initial Charge	cc	-
	Air Flow Rate	Cooling	CMM
External Dimension	Sound Pressure	Cooling / Heating	29.00
	Sound Power	Cooling	483.33
Panel Size	Net Weight	kg	47.0 / 47.0
	Shipping Weight	kg	60.0
Additional Accessories	Net Weight	kg	33.00
	Shipping Weight	kg	37.00
Power Supply	Net Dimensions (WxHxD)	mm	790 x 548 x 285
	Shipping Dimensions (WxHxD)	mm	926 x 655 x 382
Compressor	Cooling	°C	-10 ~ 46
	Heating	°C	-15 ~ 24

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### Optional Accessories





# CAC SPECIFICATION Indoor Units



## 4Way Cassette (600x600)

- Compact and Light Unit
- Virus Doctor (Optional)
- Motion Detect Sensor (Optional)
- No Overflowing Drain Water

4Way Cassette (600x600)			AC026FBNDEH	AC035FBNDEH	AC052FBNDEH	AC060FBNDEH	AC071FBNDEH
Model Code	Indoor Unit	Outdoor Unit	AC026FCADEH	AC035FCADEH	AC052FCADEH	AC060FCADEH	AC071FCADEH
Mode	-	-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Capacity	Cooling (Min / Std / Max)	kW	0.99/3.50/4.20	0.99/3.50/4.20	1.30/5.00/5.90	1.80/5.80/6.50	2.00/6.80/7.50
		Btu/h	3,400/8,900/11,900	3,400/8,900/11,900	4,400/17,100/20,100	6,100/19,800/22,200	6,800/23,200/25,600
Power	Power Input (Nominal)	kW	0.98/3.30/4.60	0.98/3.30/4.60	1.30/5.50/7.50	1.60/7.00/9.00	1.60/7.50/10.00
	Current Input (Nominal)	A	3,300/11,300/17,100	3,300/11,300/17,100	4,400/18,900/25,600	5,500/23,900/30,700	5,500/25,600/34,100
Energy Efficiency	Energy Grade	Energy Grade (C)	SEER 6.70 (A++)	SEER 6.50 (A++)	SEER 6.30 (A++)	SEER 6.20 (A++)	SEER 6.10 (A++)
		Energy Grade (H)	SCOP 4.00 (A+)	SCOP 4.00 (A+)	SCOP 3.80 (A)	SCOP 3.80 (A)	SCOP 3.80 (A)
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35	6.35	6.35
	Gas Pipe	Φ, inch	1/4"	1/4"	1/4"	1/4"	1/4"
Field Wiring	Power Source Wire	m	2.5	2.5	2.5	2.5	2.5
	Transmission Cable	-	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A
	Control Method	-	-	-	-	-	-
Power Supply	Type	-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Motor Output	W	65.00	65.00	65.00	65.00	65.00
Fan	Air Flow Rate	CMM	8.50/7.50/6.50	9.50/8.00/6.50	12.00/10.50/9.00	11.00/10.00/9.00	11.50/10.50/9.50
	External Static Pressure	mmAq	141.67/125.00/108.33	158.33/133.33/108.33	200.00/175.00/150.00	183.33/166.67/150.00	191.67/175.00/158.33
Sound	Sound Pressure	dB(A)	33.0 / 31.0 / 27.0	35.0 / 33.0 / 29.0	39.0 / 37.0 / 34.0	41.0 / 38.0 / 35.0	42.0 / 40.0 / 36.0
	Sound Power	dB(A)	48.0	50.0	53.0	56.0	58.0
External Dimension	Net Weight	kg	13.00	13.00	13.70	14.00	14.00
	Shipping Weight	kg	13.00	13.00	13.70	14.00	14.00
Panel Size	Net Dimensions (WxHxD)	mm	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
	Shipping Dimensions (WxHxD)	mm	623 x 298 x 653	623 x 298 x 653	623 x 298 x 653	623 x 298 x 653	623 x 298 x 653
Additional Accessories	Drain pump	-	-	-	-	-	-
	Max Lifting Height / Displacement	mm/liter/h	-	-	-	-	-
Compressor	Type	-	Single BLDC Rotary	Single BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Model	-	UG4C090LUDJR	UG4C090LUDJR	UG4T150FUDJQ	UG4T200FUA45G	UG4T200FUA45G
Oil	Initial Charge	cc	0.86	0.86	1.37	1.79	1.79
	Type	-	POE	POE	POE	POE	POE
Sound	Sound Pressure	dB(A)	46.0 / 47.0	47.0 / 48.0	48.0 / 49.0	49.0 / 50.0	49.0 / 51.0
	Sound Power	dB(A)	60.0	62.0	64.0	66.0	66.0
External Dimension	Net Weight	kg	33.00	33.00	38.50	55.00	55.00
	Shipping Weight	kg	37.00	37.00	42.50	59.00	59.00
Operating Temp. Range	Cooling	°C	-10~46	-10~46	-15~46	-15~46	-15~50
	Heating	°C	-15~24	-15~24	-15~24	-20~24	-20~24

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### Optional Accessories



# CAC SPECIFICATION Indoor Units



## Duct S (MSP)

- The Slimmest and The Lightest Design
- 3-Way Service
- Wi-Fi Control (Optional)
- Zone Control (Optional)
- Automatic ESP Adjustment
- Easier Drain Pump Installation
- High Efficient Heat Exchanger
- Virus Doctor (Optional)

Duct S (MSP)			AC035HBMCKH	AC052HBMCKH	AC060HBMCKH	AC071HBMCKH	AC090HBMCKH	AC090HBMCKH
Model Code	Indoor Unit	Outdoor Unit	AC035HCADKH	AC052HCADKH	AC060HCADKH	AC071HCADKH	AC090HCADKH	AC090HCADNH
Mode	-	-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Capacity	Cooling (Min / Std / Max)	kW	1.10/3.50/4.00	1.20/5.00/6.00	1.80/6.00/7.50	2.00/7.10/8.00	2.60/9.00/11.50	2.60/9.00/11.50
	Heating (Min / Std / Max)	Btu/h	3,800/11,900/13,600	4,100/17,100/20,500	6,100/20,500/25,600	6,800/24,200/27,300	8,900/30,700/39,200	8,900/30,700/39,200
Power	Power Input (Nominal)	kW	1.10/4.00/4.60	1.10/6.00/7.20	1.50/7.00/8.50	1.50/8.00/9.00	2.80/10.00/15.50	2.80/10.00/15.50
	Current Input (Nominal)	A	3,800/13,600/15,700	3,800/20,500/24,600	5,100/23,900/29,000	5,100/27,300/30,700	9,600/34,100/52,900	9,600/34,100/52,900
System	MCA	A	18.70 (MCA)	22.70 (MCA)	22.70 (MCA)	22.70 (MCA)	26.70 (MCA)	14.70 (MCA)
	MFA	A	20.60	25.00	25.00	25.00	30.00	16.20
Energy Efficiency	EER (Nominal Cooling)	-	3.18	3.21	3.41	3.21	3.21	3.21
	COP (Nominal Heating)	-	3.92	3.61	3.70	3.48	3.61	3.70
Piping Connections	Liquid Pipe	φ, mm	6.35	6.35	6.35	6.35	9.52	9.52
	Gas Pipe	φ, mm	1/4"	1/4"	1/4"	1/4"	3/8"	3/8"
Field Wiring	Power Source Wire	m	15.0	20.0	30.0	30.0	30.0	30.0
	Transmission Cable	m	2.5	2.5	2.5	2.5	4	2.5
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A	R410A
	Control Method	-	-	-	-	-	-	-
Fan	Power Supply	φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
	Motor Output	W	153.00	153.00	153.00	153.00	153.00	153.00
Drain	Air Flow Rate	CMM	12.00/9.50/8.00	16.00/13.50/11.00	21.00/19.00/16.00	22.00/19.00/16.00	29.00/25.00/22.00	29.00/25.00/22.00
	External Static Pressure	mmAq	200.00/158.33/133.33	266.67/225.00/183.33	350.00/300.00/250.00	366.67/316.67/266.67	483.33/416.67/366.67	483.33/416.67/366.67
Sound	Sound Pressure	Pa	0.00/24.52/147.10	0.00/29.42/147.10	0.00/3.00/4.00	0.00/3.00/4.00	0.00/4.00/15.00	0.00/4.00/15.00
	Sound Power	dB(A)	32.0 / 29.0 / 26.0	33.0 / 30.0 / 27.0	37.0 / 33.0 / 29.0	37.0 / 33.0 / 29.0	38.0 / 35.0 / 32.0	38.0 / 35.0 / 32.0
Panel Size	Net Weight	kg	24.50	24.50	24.50	24.50	32.00	32.00
	Shipping Weight	kg	28.50	28.50	28.50	28.50	37.00	37.00
Additional Accessories	Drain pump	-	MDP-G075SP	MDP-G075SP	MDP-G075SP	MDP-G075SP	MDP-G075SP	MDP-G075SP
	Max Lifting Height / Displacement	mm/liter/h	-	-	-	-	-	-
Compressor	Power Supply	φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	3,4,380-415,50
	Model	-	BLDC Rotary UG9A090FLAER	Twin BLDC Rotary UG4T150LNEQ	Twin BLDC Rotary UG4T200LNE4	Twin BLDC Rotary UG4T200LNE4	Twin BLDC Rotary UG8T300LNBJU	Twin BLDC Rotary UG8T300FUCJU
Fan	Output	kW	0.84	1.42	1.85	1.85	2.82	2.82
	Oil Initial Charge	cc	POE	POE	POE	POE	PVE	POE
Sound	Air Flow Rate	CMM	37.00	44.00	52.00	54.00	63.00	63.00
	Sound Pressure	dB(A)	616.67	733.33	866.67	900.00	1,050.00	1,050.00
External Dimension	Sound Power	dB(A)	47.0 / 47.0	48.0 / 48.0	49.0 / 50.0	49.0 / 51.0	52.0 / 54.0	52.0 / 54.0
	Net Weight	kg	63.0	64.0	65.0	65.0	68.0	68.0
Operating Temp. Range	Shipping Weight	kg	29.50	45.00	55.00	55.00	70.00	72.00
	Shipping Dimensions (WxHxD)	mm	32.00	48.00	59.00	59.00	74.00	76.00
Additional Accessories	Net Dimensions (WxHxD)	mm	720 x 548 x 265	880 x 638 x 310	880 x 798 x 310	880 x 798 x 310	940 x 998 x 330	940 x 998 x 330
	Shipping Dimensions (WxHxD)	mm	844 x 622 x 353	1024 x 750 x 414	1023 x 891 x 413	1023 x 891 x 413	995 x 1096 x 426	995 x 1096 x 426
Additional Accessories	Cooling	°C	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50
	Heating	°C	-20~24	-20~24	-20~24	-20~24	-20~24	-20~24

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### Optional Accessories



### Zone Control Accessories



# CAC SPECIFICATION Indoor Units



## Duct S (MSP)

- The Slimmest and The Lightest Design
- 3-Way Service
- Wi-Fi Control (Optional)
- Zone Control (Optional)
- Automatic ESP Adjustment
- Easier Drain Pump Installation
- High Efficient Heat Exchanger
- Virus Doctor (Optional)

Duct S (MSP)			AC100HBMDKH	AC100HBMDKH	AC120HBMDKH	AC120HBMDKH	AC140HBMDKH	AC140HBMDKH	
Model Code	Indoor Unit	Outdoor Unit	AC100HCADNH	AC100HCADKH	AC120HCADNH	AC120HCADKH	AC140HCADNH	AC140HCADKH	
Mode	-	-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Capacity	Cooling (Min / Std / Max)	kW	2.80/10.00/12.00	2.80/10.00/12.00	3.00/12.00/13.50	3.00/12.00/13.50	4.60/14.00/15.40	4.60/14.00/15.40	
		Btu/h	9,600/34,100/40,900	9,600/34,100/40,900	10,200/40,900/46,100	10,200/40,900/46,100	15,700/47,800/52,500	15,700/47,800/52,500	
Power	Heating (Min / Std / Max)	kW	2.90/11.20/15.50	2.90/11.20/15.50	2.50/13.00/17.00	2.50/13.00/17.00	3.70/16.00/18.00	3.70/16.00/18.00	
		Btu/h	9,900/38,200/52,900	9,900/38,200/52,900	8,500/44,400/58,000	8,500/44,400/58,000	12,600/54,600/61,400	12,600/54,600/61,400	
System	Power Input (Nominal)	kW	0.75/3.22/5.00	0.75/3.22/5.00	0.90/4.40/5.40	0.90/4.40/5.40	1.00/4.63/5.50	1.00/4.63/5.50	
	Current Input (Nominal)	A	1.60/5.40/7.50	1.60/5.40/7.50	1.90/7.00/8.60	1.90/7.00/8.60	2.10/7.50/9.50	2.10/7.50/9.50	
Energy Efficiency	MCA	A	14.70 (MCA)	14.70 (MCA)	15.00 (MCA)	15.00 (MCA)	17.00 (MCA)	17.00 (MCA)	
	EER (Nominal Cooling)	-	3.11	3.11	2.73	2.73	3.02	3.02	
Piping Connections	COP (Nominal Heating)	-	3.61	3.61	3.71	3.71	3.61	3.61	
	Energy Grade	Energy Grade (C)	SEER 5.6 (A+)	SEER 5.6 (A+)	SEER 5.3 (A)	SEER 5.3 (A)	-	-	
Field Wiring	Energy Grade	Energy Grade (H)	SCOP 4.0 (A+)	SCOP 4.0 (A+)	SCOP 4.0 (A)	SCOP 4.0 (A)	-	-	
	Liquid Pipe	φ, mm	9.52	9.52	9.52	9.52	9.52	9.52	
Refrigerant	Gas Pipe	φ, inch	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	
	Installation Limitation	φ, mm	15.88	15.88	15.88	15.88	15.88	15.88	
Power Supply	Max Length (Outdoor to indoor)	m	50	50	50	50	75	75	
	Max Height (Between ID/OD)	m	30.0	30.0	30.0	30.0	30.0	30.0	
Fan	Power Source Wire	-	2.5	4	2.5	4	2.5	4	
	Transmission Cable	-	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25	
Drain	Type	-	R410A	R410A	R410A	R410A	R410A	R410A	
	Control Method	-	-	-	-	-	-	-	
Additional Accessories	Factory Charging	kg	2.60	2.60	2.70	2.70	2.80	2.80	
	Φ, #, V, Hz	-	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	
Indoor Unit	Type	-	Sirocco Fan (BLDC)	Sirocco Fan (BLDC)	Sirocco Fan (BLDC)	Sirocco Fan (BLDC)	Sirocco Fan (BLDC)	Sirocco Fan (BLDC)	
	Motor Output	W	153.00	153.00	244.00	244.00	244.00	244.00	
Sound	Number of Unit	EA	1.00	1.00	1.00	1.00	1.00	1.00	
	Air Flow Rate	High / Mid / Low	CMM	32.00/27.00/22.00	32.00/27.00/22.00	38.00/32.00/25.00	38.00/32.00/25.00	42.00/34.00/25.00	42.00/34.00/25.00
External Dimension	External Static Pressure	Min / Std / Max	mmAq	533.33/450.00/366.67	533.33/450.00/366.67	633.33/533.33/416.67	633.33/533.33/416.67	700.00/566.67/416.67	700.00/566.67/416.67
	Drain Pipe	φ, mm	VP20 (OD 25, ID 20)	VP20 (OD 25, ID 20)	VP20 (OD 25, ID 20)	VP20 (OD 25, ID 20)	VP20 (OD 25, ID 20)	VP20 (OD 25, ID 20)	
Panel Size	Sound Pressure	High / Mid / Low	dB(A)	38.0 / 35.0 / 32.0	38.0 / 35.0 / 32.0	39.0 / 36.0 / 33.0	39.0 / 36.0 / 33.0	40.0 / 37.0 / 33.0	40.0 / 37.0 / 33.0
	Sound Power	Cooling	dB(A)	61.0	61.0	65.0	65.0	66.0	66.0
Additional Accessories	Net Weight	kg	32.00	32.00	36.00	36.00	36.00	36.00	
	Shipping Weight	kg	37.00	37.00	42.00	42.00	42.00	42.00	
Operating Temp. Range	Net Dimensions (WxHxD)	mm	1200 x 250 x 700	1200 x 250 x 700	1300 x 300 x 700	1300 x 300 x 700	1300 x 300 x 700	1300 x 300 x 700	
	Shipping Dimensions (WxHxD)	mm	1450 x 320 x 780	1450 x 320 x 780	1550 x 370 x 780	1550 x 370 x 780	1550 x 370 x 780	1550 x 370 x 780	
Outdoor Unit	Panel model	-	-	-	-	-	-	-	
	Panel Net Weight	kg	-	-	-	-	-	-	
Compressor	Shipping Weight	kg	-	-	-	-	-	-	
	Net Dimensions (WxHxD)	mm	-	-	-	-	-	-	
Power Supply	Shipping Dimensions (WxHxD)	mm	-	-	-	-	-	-	
	Drain pump	Drain pump	-	-	-	-	-	-	
Fan	Max Lifting Height / Displacement	mm/liter/h	-	-	-	-	-	-	
	Air Filter	-	-	-	-	-	-	-	
Compressor	Type	φ, #, V, Hz	3,4,380-415,50	1,2,220-240,50	3,4,380-415,50	1,2,220-240,50	3,4,380-415,50	1,2,220-240,50	
	Model	-	Twin BLDC Rotary UG8T300FUCJU	Twin BLDC Rotary UG8T300LNBJU	Twin BLDC Rotary UG8T450FUFJXSG	Twin BLDC Rotary UG8T450FUFJXSG	Twin BLDC Rotary UG8T450FUFJXSG	Twin BLDC Rotary UG8T450FUFJXSG	
Sound	Output	kW	2.82	2.82	4.12	4.12	4.12	4.12	
	Type	-	POE	PVE	POE	PVE	POE	PVE	
External Dimension	Initial Charge	cc	-	-	-	-	-	-	
	Air Flow Rate	Cooling	CMM	68.00	68.00	70.00	70.00	100.00	100.00
Operating Temp. Range	Sound Pressure	Cooling / Heating	dB(A)	1,133.33	1,133.33	1,166.67	1,166.67	1,666.67	1,666.67
	Sound Power	Cooling	dB(A)	52.0 / 54.0	52.0 / 54.0	54.0 / 56.0	54.0 / 58.0	53.0 / 54.0	53.0 / 54.0
Power Supply	Net Weight	kg	72.00	70.00	79.00	77.00	90.00	88.00	
	Shipping Weight	kg	76.00	74.00	84.00	82.00	100.00	98.00	
Compressor	Net Dimensions (WxHxD)	mm	940 x 998 x 330	940 x 998 x 330	940 x 998 x 330	940 x 998 x 330	940 x 1210 x 330	940 x 1210 x 330	
	Shipping Dimensions (WxHxD)	mm	995 x 1096 x 426	995 x 1096 x 426	995 x 1096 x 426	995 x 1096 x 426	995 x 1388 x 426	995 x 1388 x 426	
Fan	Cooling	°C	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50	
	Heating	°C	-20~24	-20~24	-20~24	-20~24	-20~24	-20~24	

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### Optional Accessories



### Zone Control Accessories



# CAC SPECIFICATION \_Indoor Units



## Big Duct

- The Slimmest and The Lightest Design
- 3-Way Service
- Easier Drain Pump Installation
- Virus Doctor (Option)
- New Communication Protocol

Big Duct			Indoor Unit	AC180JNHPKH	AC180JXAPNH	AC200JNHPKH	AC200JXAPNH	
Model Code	Indoor Unit							
	Outdoor Unit							
Mode	Mode			HEAT PUMP		HEAT PUMP		
	Capacity	Cooling (Min / Std / Max)	kW	6.00/18.00/20.00		6.20/20.00/22.50		
Capacity		Heating (Min / Std / Max)	Btu/h	20,500/61,400/68,200		21,200/68,200/76,800		
			kW	4.80/20.00/22.50		5.00/22.00/25.00		
Power		Power Input (Nominal)	kW	1.30/5.45/7.30		1.40/6.23/11.00		
		Current Input (Nominal)	A	1.20/5.54/7.60		2.30/6.09/11.50		
System		MCA	A	18.60 (MCA)		25.00 (MCA)		
		MFA	A	20.46		31.25		
Energy Efficiency		EER (Nominal Cooling)	-	3.30		3.21		
		COP (Nominal Heating)	-	3.61		3.61		
Piping Connections		Energy Grade	Energy Grade (C)	-		-		
			Energy Grade (H)	-		-		
Field Wiring		Liquid Pipe	Φ, mm	9.52		9.52		
			Φ, inch	3/8"		3/8"		
Refrigerant		Gas Pipe	Φ, mm	19.05		19.05		
			Φ, inch	3/4"		3/4"		
Power Supply		Installation Limitation	Max Length (Outdoor to indoor)	75		75		
			Max Height (Between ID/OD)	30.0		30.0		
Fan		Field Power Source Wire	-	-		-		
		Transmission Cable	-	-		-		
Indoor Unit		Type	-	R410A		R410A		
		Control Method	-	-		-		
Additional Accessories		Factory Charging	kg	4.60		-		
		Power Supply	Φ, #, V, Hz	1,2,220-240,50		1,2,220-240,50		
Outdoor Unit		Type	-	Sirocco Fan		Sirocco Fan		
		Motor Output	W	500.00		500.00		
Fan		Number of Unit	EA	1.00		1.00		
		Air Flow Rate	High / Mid / Low	CMM	71.00/60.00/50.00		72.00/61.00/51.00	
Drain		External Static Pressure	Min / Std / Max	mmAq	1,183.33/1,000.00/833.33		1,200.00/1,016.67/850.00	
		Sound Pressure	High / Mid / Low	Pa	5.00/6.12/20.00		5.00/7.34/20.00	
Sound		Sound Power	Cooling	dB(A)	49.03/60.02/196.13		49.03/71.98/196.13	
		Net Weight		kg	82.50		80.00	
External Dimension		Shipping Weight		kg	92.00		92.00	
		Net Dimensions (WxHxD)		mm	1350 x 450 x 910		1350 x 450 x 910	
Panel Size		Shipping Dimensions (WxHxD)		mm	1612 x 519 x 984		1612 x 519 x 984	
		Panel model		-			-	
Additional Accessories		Panel Net Weight		kg	-		-	
		Shipping Weight		kg	-		-	
Power Supply		Net Dimensions (WxHxD)		mm	-		-	
		Shipping Dimensions (WxHxD)		mm	-		-	
Compressor		Drain pump	Drain pump		MDP-G075SP		MDP-G075SP	
		Max Lifting Height / Displacement	mm/liter/h	-	-		-	
Fan		Air Filter		-	-		-	
		Power Supply	Φ, #, V, Hz		3,4,380-415,50		3,4,380-415,50	
Outdoor Unit		Type			Twin BLDC Rotary		BLDC Scroll	
		Model			UGS1520FUBJX		DS-GB052FAVA	
Sound		Output	kW		15.83		-	
		Oil	Type		PVE		-	
External Dimension		Initial Charge	cc		-		-	
		Air Flow Rate	Cooling	CMM	110.00		176.00	
Operating Temp. Range		Sound Pressure	Cooling / Heating	dB(A)	1,833.33		2,933.33	
		Sound Power	Cooling	dB(A)	55.0 / 57.0		57.0 / 59.0	
Additional Accessories		Net Weight		kg	76.0		77.0	
		Shipping Weight		kg	107.50		190.00	
Drain Pump		Shipping Weight		kg	117.50		195.00	
		Net Dimensions (WxHxD)		mm	940 x 1420 x 330		880 x 1695 x 765	
Zone Control Accessories		Shipping Dimensions (WxHxD)		mm	995 x 1598 x 426		948 x 1887 x 832	
		Operating	Cooling	°C	-15~50		-15~50	
Individual Controllers		Heating	°C	-20~24		-20~24		

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### Optional Accessories



### Zone Control Accessories



# CAC SPECIFICATION Indoor Units

## Duct S (LSP)



- The Slimmest and The Lightest Design
- 3-Way Service
- Wi-Fi Control (Optional)
- Zone Control (Optional)
- Automatic ESP Adjustment
- Easier Drain Pump Installation
- High Efficient Heat Exchanger
- Virus Doctor (Optional)

Duct S (LSP)			AC026HBLDKH	AC035HBLDKH	AC052HBLDKH	AC071HBLDKH
Model Code	Indoor Unit	Outdoor Unit	AC026HCADKH	AC035HCADKH	AC052HCADKH	AC071HCADKH
Mode	-	-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Capacity	Cooling (Min / Std / Max)	kW	0.95/2.60/3.50	0.98/3.50/4.10	1.20/5.00/6.00	2.00/7.10/8.00
		Btu/h	3,200/8,900/11,900	3,300/11,900/14,000	4,100/17,100/20,500	6,800/24,200/27,300
Power	Power Input (Nominal)	kW	0.95/3.30/4.30	0.99/4.00/5.00	1.10/6.00/7.20	1.50/8.00/9.00
	Current Input (Nominal)	A	3,200/11,300/14,700	3,400/13,600/17,100	3,800/20,500/24,600	5,100/27,300/30,700
System	Energy Efficiency	Energy Grade (C)	SEER 6.3 (A++)	SEER 6.1 (A++)	SEER 6.1 (A++)	SEER 5.9 (A+)
		Energy Grade (H)	SCOP 3.8 (A)	SCOP 3.8 (A+)	SCOP 3.8 (A)	SCOP 4.0 (A+)
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35	6.35
	Gas Pipe	Φ, mm	1.4"	1.4"	1.4"	1.4"
Field Wiring	Power Source Wire	m	2.5	2.5	2.5	2.5
	Transmission Cable	m	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25
Refrigerant	Type	-	R410A	R410A	R410A	R410A
	Control Method	-	-	-	-	-
Power Supply	Type	-	-	-	-	-
	Motor Output	W	153.00	153.00	153.00	153.00
Fan	Air Flow Rate	CMM	8.00/6.50/4.90	9.20/7.40/5.80	15.00/12.00/9.00	20.00/15.00/10.00
	External Static Pressure	mmAq	133.33/108.33/81.67	153.33/123.33/96.67	250.00/200.00/150.00	333.33/250.00/166.67
Sound	Sound Pressure	Pa	0.00/2.50/4.00	0.00/2.50/4.00	0.00/3.00/4.00	0.00/3.00/4.00
	Sound Power	dB(A)	40.0/37.0/34.0	40.0/37.0/34.0	33.0/30.0/27.0	37.0/34.0/31.0
External Dimension	Net Weight	kg	20.00	20.00	22.50	22.50
	Shipping Weight	kg	24.00	24.00	26.00	26.00
Panel Size	Net Dimensions (WxHxD)	mm	700 x 199 x 600	700 x 199 x 600	1100 x 200 x 450	1100 x 200 x 450
	Shipping Dimensions (WxHxD)	mm	950 x 280 x 710	950 x 280 x 710	1350 x 270 x 530	1350 x 270 x 530
Additional Accessories	Drain pump	-	MDP-E075SEE3D	MDP-E075SEE3D	MDP-G075SP	MDP-G075SP
	Air Filter	-	-	-	-	-
Compressor	Type	-	BLDC Rotary	BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Output	kW	0.84	0.84	1.42	1.85
Fan	Air Flow Rate	CMM	37.00	32.00	44.00	54.00
	Sound Power	dB(A)	46.0/47.0	47.0/47.0	48.0/48.0	49.0/51.0
External Dimension	Net Dimensions (WxHxD)	mm	720 x 548 x 265	720 x 548 x 265	880 x 638 x 310	880 x 798 x 310
	Shipping Dimensions (WxHxD)	mm	844 x 622 x 353	844 x 622 x 353	1024 x 750 x 414	1023 x 891 x 413
Operating Temp. Range	Cooling	°C	-15~52	-15~52	-15~50	-15~50
	Heating	°C	-20~24	-20~24	-20~24	-20~24

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### Optional Accessories



### Zone Control Accessories



# CAC SPECIFICATION Indoor Units

## Maldives



- Full HD Filter
- Smart Inverter

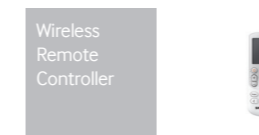
Maldives			AC026FBRDEH	AC035FBRDEH	AC052FBRDEH	AC071FBRDEH		
Model Code	Indoor Unit	Outdoor Unit	AC026FCADEH	AC035FCADEH	AC052FCADEH	AC071FCADEH		
System	Mode	-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP		
	Capacity	Cooling (Min / Std / Max) kW	1.20/2.60/3.50	1.20/3.50/3.70	1.90/5.00/6.05	2.20/7.10/8.00		
		Heating (Min / Std / Max) Btu/h	4,100/8,900/11,900	4,100/11,900/12,600	6,500/17,100/20,600	7,500/24,200/27,300		
		Power Input (Nominal) kW	1.03/3.50/3.80	1.04/4.00/4.40	1.50/6.00/6.25	1.90/8.00/9.00		
		Current Input (Nominal) kW	3,500/11,900/13,000	3,500/13,600/15,000	5,100/20,500/21,300	6,500/27,300/30,700		
		Power	Cooling (Min / Std / Max) A	0.25/0.65/1.15	0.21/1.17/1.40	0.40/1.61/2.20	0.35/2.36/4.00	
			Heating (Min / Std / Max) A	0.20/0.97/1.15	0.21/1.17/1.40	0.34/1.76/3.15	0.35/2.85/4.00	
			MCA	1.60/3.40/7.00	1.60/5.10/7.00	2.60/7.20/9.80	2.00/10.50/21.00	
			MFA	1.30/5.00/5.40	1.30/5.80/6.50	2.30/8.30/14.00	2.00/13.00/21.00	
			EER (Nominal Cooling)	10.30 (MCA)	10.30 (MCA)	10.80 (MCA)	20.30 (MCA)	
			COP (Nominal Heating)	12.50	12.50	13.10	25.00	
			Energy Efficiency	4.00	3.21	3.11	3.01	
			Energy Grade	3.61	3.42	3.41	2.81	
			Energy Grade (C)	SEER 5.9 (A+)	SEER 5.6 (A+)	SEER 6.20 (A++)	SEER 6.00 (A+)	
			Energy Grade (H)	SCOP 3.9 (A)	SCOP 3.9 (A)	SCOP 3.80 (A)	SCOP 3.80 (A)	
			Liquid Pipe	6.35	6.35	6.35	6.35	
			Gas Pipe	1/4"	1/4"	1/4"	1/4"	
			Installation Limitation	9.52	9.52	12.70	15.88	
			Max Length (Outdoor to indoor)	3/8"	3/8"	1/2"	5/8"	
			Max Height (Between ID/OD)	20	20	30	50	
		Field Power Source Wire	15.0	15.0	20.0	30.0		
		Transmission Cable	1.5 ~ 2.5	1.5 ~ 2.5	2.0	2.5 ~ 4.0		
		Refrigerant	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25		
		Control Method	R410A	R410A	R410A	R410A		
		Factory Charging	-	-	-	-		
		Power Supply	0.95	0.95	1.40	1.80		
		Type	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50		
		Motor	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan		
		Output	35.00	35.00	27.00	27.00		
		Number of Unit	1.00	1.00	1.00	1.00		
		Fan	Air Flow Rate High / Mid / Low CMM	10.50/9.50/8.00	11.20/10.50/9.30	15.00/13.20/11.50	16.50/15.00/13.50	
			External Static Pressure Min / Std / Max mmAq	175.00/158.33/133.33	186.67/175.00/155.00	250.00/220.00/191.67	275.00/250.00/225.00	
			Drain Pipe	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	
			Sound Pressure High / Mid / Low dB(A)	35.0 / 31.0 / 24.0	37.0 / 32.0 / 25.0	40.0 / 35.0 / 30.0	44.0 / 37.0 / 31.0	
			Net Weight kg	53.0	55.0	60.0	63.0	
			Shipping Weight kg	8.20	8.20	11.50	11.50	
			Net Dimensions (WxHxD) mm	10.20	10.20	14.50	14.50	
			Shipping Dimensions (WxHxD) mm	820 x 285 x 215	820 x 285 x 215	1065 x 298 x 230	1065 x 298 x 230	
			Panel model	880 x 360 x 260	880 x 360 x 260	1125 x 375 x 290	1125 x 375 x 290	
			Panel Net Weight kg	-	-	-	-	
			Shipping Weight kg	-	-	-	-	
			Net Dimensions (WxHxD) mm	-	-	-	-	
			Shipping Dimensions (WxHxD) mm	-	-	-	-	
			Additional Accessories	-	-	-	-	
			Drain pump	-	-	-	-	
			Max Lifting Height / Displacement mm/liter/h	-	-	-	-	
			Air Filter	-	-	-	-	
			Power Supply	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	
			Type	Single BLDC Rotary	Single BLDC Rotary	Twin BLDC Rotary	BLDC Rotary	
			Model	UG4C090LUDJR	UG4C090LUDJR	UG4T150FUDJQ	UG4T200FJAE4	
			Output	0.86	0.86	1.37	1.79	
			Oil	POE	POE	POE	POE	
			Initial Charge	-	-	-	-	
			Fan	Air Flow Rate Cooling CMM	29.00	30.00	33.00	52.00
				Sound Pressure Cooling / Heating dB(A)	483.33	500.00	550.00	866.67
				Sound Power Cooling dB(A)	47.0 / 47.0	47.0 / 47.0	49.0 / 49.0	49.0 / 51.0
				Net Weight kg	60.0	62.0	64.0	67.0
				Shipping Weight kg	33.00	33.00	38.50	54.50
				Net Dimensions (WxHxD) mm	37.00	37.00	42.50	59.00
				Shipping Dimensions (WxHxD) mm	790 x 548 x 285	790 x 548 x 285	790 x 548 x 285	880 x 798 x 310
				Operating Temp. Range Cooling °C	926 x 640 x 384	926 x 640 x 384	926 x 640 x 384	1023 x 911 x 413
				Heating °C	-10~46	-10~46	-15~46	-15~50
					-15~24	-15~24	-20~24	

\* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.  
 \* These products contain R410A which is fluorinated greenhouse gas.

### Optional Accessories



### Standard Accessories



# CAC SPECIFICATION Indoor Units



## Console

- Slim & Smart Design
- 2Way Air Outlet
- Silent Operation



## Ceiling

- 2Way Installation
- Compact but Powerful

Console					
Model Code		Indoor Unit	AC026FBJDEH	AC035FBJDEH	AC052HBJDEH
		Outdoor Unit	AC026FCADEH	AC035FCADEH	AC052FCADEH
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP
	Cooling (Min / Std / Max)	kW	0.98/2.60/3.40	1.20/3.50/3.90	1.90/5.00/5.50
Capacity		Btu/h	3,300/8,900/11,600	4,100/11,900/13,300	6,500/17,100/18,800
	Heating (Min / Std / Max)	kW	0.95/3.50/4.20	1.04/4.00/4.40	1.50/5.60/6.50
Power		Btu/h	3,200/11,900/14,300	3,500/13,600/15,000	5,100/19,100/22,200
	Power Input (Nominal)	kW	0.23/0.81/1.20	0.24/1.29/1.50	0.25/1.78/2.20
System		A	1.60/4.00/5.50	1.60/6.00/7.00	2.60/8.00/10.00
	Current Input (Nominal)	A	1.30/5.00/6.50	1.30/6.20/7.20	2.30/8.70/14.00
Energy Efficiency		MCA	10.30 (MCA)	10.30 (MCA)	10.80 (MCA)
	EER (Nominal Cooling)	-	12.50	12.50	13.13
Piping Connections		MFA	3.21	2.71	2.81
	Installation Limitation	Energy Grade (C)	3.30	3.01	2.92
Field Wiring		Energy Grade (H)	SEER 5.40 (A)	SEER 5.40 (A)	SEER 5.40 (A)
	Power Source Wire	Energy Grade (H)	SCOP 4.00 (A+)	SCOP 3.90 (A)	SCOP 3.80 (A)
Refrigerant		Φ, mm	6.35	6.35	6.35
	Control Method	Φ, inch	1/4"	1/4"	1/4"
Power Supply		Φ, mm	9.52	9.52	12.70
	Type	Φ, inch	3/8"	3/8"	1/2"
Fan		Φ, inch	20	20	30
	Motor	Max Length (Outdoor to indoor)	15.0	20.0	20.0
Indoor Unit		Max Height (Between ID/OD)	1.5"~2.5"	1.5"~2.5"	2.0"
	Sound Power	Transmission Cable	0.75"~1.25"	0.75"~1.25"	0.75"~1.25"
External Dimension		Type	R410A	R410A	R410A
	Shipping Weight	Control Method	-	-	-
Panel Size		Factory Charging	0.95	0.95	1.40
	Net Dimensions (WxHxD)	Φ, #, V, Hz	1.2,220-240,50	1.2,220-240,50	1.2,220-240,50
Additional Accessories		Motor	Turbo Fan/BLDC	Turbo Fan/BLDC	Turbo Fan/BLDC
	Shipping Dimensions (WxHxD)	Output	35.00	35.00	35.00
Operating Temp. Range		Number of Unit	1.00	1.00	1.00
	Cooling	Air Flow Rate	8.50/7.50/6.50	9.80/8.50/7.50	13.00/11.50/10.00
Outdoor Unit		High / Mid / Low	141.67/125.00/108.33	163.33/141.67/125.00	216.67/191.67/166.67
	Heating	External Static Pressure	-	-	-
Compressor		Min / Std / Max	mmAq	mmAq	mmAq
	Sound Pressure	Drain Pipe	VP18 (OD 19, ID 16)	VP18 (OD 19, ID 16)	ID 18 HOSE
Fan		High / Mid / Low	38.0 / 30.5 / 23.0	39.0 / 31.5 / 24.0	44.0 / 34.5 / 25.0
	Sound Power	Sound Pressure	53.0	55.0	60.0
External Dimension		Cooling	61.0	61.0	64.0
	Shipping Weight	Sound Power	33.00	33.00	38.50
Panel Size		Net Weight	37.00	37.00	42.50
	Shipping Dimensions (WxHxD)	Net Weight	790 x 548 x 285	790 x 548 x 285	790 x 548 x 285
Additional Accessories		Shipping Dimensions (WxHxD)	926 x 655 x 382	926 x 655 x 382	926 x 655 x 382
	Drain pump	Shipping Dimensions (WxHxD)	810 x 710 x 299	810 x 710 x 299	810 x 710 x 299
Power Supply		Panel model	-	-	-
	Type	Panel Net Weight	-	-	-
Compressor		Shipping Weight	-	-	-
	Model	Shipping Weight	-	-	-
Fan		Net Dimensions (WxHxD)	-	-	-
	Output	Shipping Dimensions (WxHxD)	-	-	-
Outdoor Unit		Shipping Dimensions (WxHxD)	-	-	-
	Oil	Panel Size	-	-	-
Sound		Net Dimensions (WxHxD)	-	-	-
	Cooling	Shipping Dimensions (WxHxD)	-	-	-
External Dimension		Shipping Dimensions (WxHxD)	-	-	-
	Net Weight	Additional Accessories	-	-	-
Panel Size		Drain pump	-	-	-
	Shipping Weight	Max. Lifting Height / Displacement	-	-	-
Additional Accessories		Air Filter	-	-	-
	Drain pump	Power Supply	1.2,220-240,50	1.2,220-240,50	1.2,220-240,50
Power Supply		Type	Single BLDC Rotary	Single BLDC Rotary	Twin BLDC Rotary
	Model	Model	UG4C090LUDJR	UG4C090LUDJR	UG4T150FUDJQDO
Compressor		Output	0.86	0.86	1.37
	Oil	Output	1.37	1.37	1.79
Fan		Type	POE	POE	POE
	Air Flow Rate	Initial Charge	-	-	-
Sound		Oil	-	-	-
	Sound Pressure	Air Flow Rate	29.00	30.00	33.00
External Dimension		Cooling	483.33	500.00	550.00
	Shipping Weight	Cooling / Heating	47.0 / 47.0	47.0 / 47.0	49.0 / 49.0
Panel Size		Cooling	61.0	61.0	64.0
	Shipping Dimensions (WxHxD)	Sound Power	33.00	33.00	38.50
Additional Accessories		Net Weight	37.00	37.00	42.50
	Drain pump	Shipping Weight	790 x 548 x 285	790 x 548 x 285	790 x 548 x 285
Power Supply		Shipping Dimensions (WxHxD)	926 x 655 x 382	926 x 655 x 382	926 x 655 x 382
	Type	Shipping Dimensions (WxHxD)	810 x 710 x 299	810 x 710 x 299	810 x 710 x 299
Compressor		Panel model	-	-	-
	Model	Panel Net Weight	-	-	-
Fan		Shipping Weight	-	-	-
	Output	Shipping Weight	-	-	-
Outdoor Unit		Net Dimensions (WxHxD)	-	-	-
	Oil	Shipping Dimensions (WxHxD)	-	-	-
Sound		Shipping Dimensions (WxHxD)	-	-	-
	Cooling	Panel Size	-	-	-
External Dimension		Net Dimensions (WxHxD)	-	-	-
	Net Weight	Shipping Dimensions (WxHxD)	-	-	-
Panel Size		Shipping Dimensions (WxHxD)	-	-	-
	Shipping Weight	Additional Accessories	-	-	-
Additional Accessories		Drain pump	-	-	-
	Drain pump	Max. Lifting Height / Displacement	-	-	-
Power Supply		Air Filter	-	-	-
	Type	Power Supply	1.2,220-240,50	1.2,220-240,50	1.2,220-240,50
Compressor		Type	Single BLDC Rotary	Single BLDC Rotary	Twin BLDC Rotary
	Model	Model	UG4C090LUDJR	UG4C090LUDJR	UG4T150FUDJQDO
Fan		Output	0.86	0.86	1.37
	Oil	Output	1.37	1.37	1.79
Sound		Type	POE	POE	POE
	Sound Pressure	Initial Charge	-	-	-
External Dimension		Oil	-	-	-
	Shipping Weight	Air Flow Rate	29.00	30.00	33.00
Panel Size		Cooling	483.33	500.00	550.00
	Shipping Dimensions (WxHxD)	Cooling / Heating	47.0 / 47.0	47.0 / 47.0	49.0 / 49.0
Additional Accessories		Cooling	61.0	61.0	64.0
	Drain pump	Sound Power	33.00	33.00	38.50
Power Supply		Net Weight	37.00	37.00	42.50
	Type	Shipping Weight	790 x 548 x 285	790 x 548 x 285	790 x 548 x 285
Compressor		Shipping Dimensions (WxHxD)	926 x 655 x 382	926 x 655 x 382	926 x 655 x 382
	Model	Shipping Dimensions (WxHxD)	810 x 710 x 299	810 x 710 x 299	810 x 710 x 299
Fan		Panel model	-	-	-
	Output	Panel Net Weight	-	-	-
Outdoor Unit		Shipping Weight	-	-	-
	Oil	Shipping Weight	-	-	-
Sound		Net Dimensions (WxHxD)	-	-	-
	Cooling	Shipping Dimensions (WxHxD)	-	-	-
External Dimension		Shipping Dimensions (WxHxD)	-	-	-
	Net Weight	Panel Size	-	-	-
Panel Size		Net Dimensions (WxHxD)	-	-	-
	Shipping Weight	Shipping Dimensions (WxHxD)	-	-	-
Additional Accessories		Shipping Dimensions (WxHxD)	-	-	-
	Drain pump	Additional Accessories	-	-	-
Power Supply		Drain pump	-	-	-
	Type	Max. Lifting Height / Displacement	-	-	-
Compressor		Air Filter	-	-	-
	Model	Power Supply	1.2,220-240,50	1.2,220-240,50	1.2,220-240,50
Fan		Type	Single BLDC Rotary	Single BLDC Rotary	Twin BLDC Rotary
	Output	Model	UG4C090LUDJR	UG4C090LUDJR	UG4T150FUDJQDO
Outdoor Unit		Output	0.86	0.86	1.37
	Oil	Output	1.37	1.37	1.79
Sound		Type	POE	POE	POE
	Sound Pressure	Initial Charge	-	-	-
External Dimension		Oil	-	-	-
	Shipping Weight	Air Flow Rate	29.00	30.00	33.00
Panel Size		Cooling	483.33	500.00	550.00
	Shipping Dimensions (WxHxD)	Cooling / Heating	47.0 / 47.0	47.0 / 47.0	49.0 / 49.0
Additional Accessories		Cooling	61.0	61.0	64.0
	Drain pump	Sound Power	33.00	33.00	38.50
Power Supply		Net Weight	37.00	37.00	42.50
	Type	Shipping Weight	790 x 548 x 285	790 x 548 x 285	790 x 548 x 285
Compressor		Shipping Dimensions (WxHxD)	926 x 655 x 382	926 x 655 x 382	926 x 655 x 382
	Model	Shipping Dimensions (WxHxD)	810 x 710 x 299	810 x 710 x 299	810 x 710 x 299
Fan		Panel model	-	-	-
	Output	Panel Net Weight	-	-	-
Outdoor Unit		Shipping Weight	-	-	-
	Oil	Shipping Weight	-	-	-
Sound		Net Dimensions (WxHxD)	-	-	-
	Cooling	Shipping Dimensions (WxHxD)	-	-	-
External Dimension		Shipping Dimensions (WxHxD)	-	-	-
	Net Weight	Panel Size	-	-	-
Panel Size		Net Dimensions (WxHxD)	-	-	-
	Shipping Weight	Shipping Dimensions (WxHxD)	-	-	-
Additional Accessories		Shipping Dimensions (WxHxD)	-	-	-
	Drain pump	Additional Accessories	-	-	-
Power Supply		Drain pump	-	-	-
	Type	Max. Lifting Height / Displacement	-	-	-
Compressor		Air Filter	-	-	-
	Model	Power Supply	1.2,220-240,50	1.2,220-240,50	1.2,220-240,50
Fan		Type	Single BLDC Rotary	Single BLDC Rotary	Twin BLDC Rotary
	Output	Model	UG4C090LUDJR	UG4C090LUDJR	UG4T150FUDJQDO
Outdoor Unit		Output	0.86	0.86	1.37
	Oil	Output	1.37	1.37	1.79
Sound		Type	POE	POE	POE
	Sound Pressure	Initial Charge	-	-	-
External Dimension		Oil	-	-	-
	Shipping Weight	Air Flow Rate	29.00	30.00	33.00
Panel Size		Cooling	483.33	500.00	550.00
	Shipping Dimensions (WxHxD)	Cooling / Heating	47.0 / 47.0	47.0 / 47.0	49.0 / 49.0
Additional Accessories		Cooling	61.0	61.0	64.0
	Drain pump	Sound Power	33.00	33.00	38.50
Power Supply		Net Weight	37.00	37.00	42.50
	Type	Shipping Weight	790 x 548 x 285	790 x 548 x 285	790 x 548 x 285
Compressor		Shipping Dimensions (WxHxD)	926 x 655 x 382	926 x 655 x 382	926 x 655 x 382
	Model	Shipping Dimensions (WxHxD)	810 x 710 x 299	810 x 710 x 299	810 x 710 x 299
Fan		Panel model	-	-	-
	Output	Panel Net Weight	-	-	-
Outdoor Unit		Shipping Weight	-	-	-
	Oil	Shipping Weight	-	-	-
Sound		Net Dimensions (WxHxD)	-	-	-
	Cooling	Shipping Dimensions (WxHxD)	-	-	-
External Dimension		Shipping Dimensions (WxHxD)	-	-	-
	Net Weight	Panel Size	-	-	-
Panel Size		Net Dimensions (WxHxD)	-	-	-
	Shipping Weight	Shipping Dimensions (WxHxD)	-	-	-
Additional Accessories		Shipping Dimensions (WxHxD)	-	-	-
	Drain pump	Additional Accessories	-	-	-
Power Supply		Drain pump	-	-	-
	Type	Max. Lifting Height / Displacement	-	-	-
Compressor		Air Filter	-	-	-
	Model	Power Supply	1.2,220-240,50	1.2,220-240,50	1.2,220-240,50
Fan		Type	Single BLDC Rotary	Single BLDC Rotary	Twin BLDC Rotary
	Output	Model	UG4C090LUDJR	UG4C090LUDJR	UG4T150FUDJQDO
Outdoor Unit		Output	0.86	0.86	1.37
	Oil	Output	1.37	1.37	1.79
Sound		Type	POE	POE	POE
	Sound Pressure	Initial Charge	-	-	-
External Dimension		Oil	-	-	-
	Shipping Weight	Air Flow Rate	29.00	30.00	33.00
Panel Size		Cooling	483.33	500.00	550.00
	Shipping Dimensions (WxHxD)	Cooling / Heating	47.0 / 47.0	47.0 / 47.0	49.0 / 49.0
Additional Accessories		Cooling	61.0	61.0	64.0
	Drain pump	Sound Power	33.00	33.00	38.50
Power Supply		Net Weight	37.00	37.00	42.50
	Type	Shipping Weight			

# CAC SPECIFICATION Indoor Units



## Big Ceiling

- Powerful Cooling
- Long wind distance
- Virus Doctor (Option)
- Easy to maintain
- New Communication Protocol

Big Ceiling			Indoor Unit	AC100JNCDEH	AC100JXADGH	AC120JNCDEH	AC120JXADGH	AC140JNCDEH	AC140JXADGH	AC160JNCDEH
Model Code	Indoor Unit	Outdoor Unit	AC100JNCDEH	AC100JXADGH	AC120JNCDEH	AC120JXADGH	AC140JNCDEH	AC140JXADGH	AC160JNCDEH	
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Capacity	Cooling (Min / Std / Max)	kW	2.80/10.00/12.00	2.80/10.00/12.00	3.50/12.00/13.50	3.50/12.00/13.50	4.30/14.00/15.40	4.30/14.00/15.40	4.30/14.00/17.30	
		Btu/h	9,600/34,100/40,900	9,600/34,100/40,900	11,900/40,900/46,100	11,900/40,900/46,100	14,700/47,800/52,500	14,700/47,800/52,500	14,700/51,200/59,000	
Power	Current Input (Nominal)	A	4.30/15.00/21.50	4.30/15.00/21.50	5.10/20.40/23.50	5.10/20.40/23.50	5.10/20.20/23.50	5.10/20.20/23.50	5.10/20.20/23.50	
		MCA	26.70 (MCA)	26.70 (MCA)	26.70 (MCA)	26.70 (MCA)	26.70 (MCA)	26.70 (MCA)	26.70 (MCA)	
Energy Efficiency	EER (Nominal Cooling)	-	2.90	2.90	2.55	2.55	3.01	3.01	2.84	
	COP (Nominal Heating)	-	3.56	3.56	3.47	3.47	3.61	3.61	3.60	
Piping Connections	Liquid Pipe	Φ, mm	9.52	9.52	9.52	9.52	9.52	9.52	9.52	
	Gas Pipe	Φ, mm	15.88	15.88	15.88	15.88	15.88	15.88	15.88	
Field Wiring	Power Source Wire	-	-	-	-	-	-	-	-	
	Transmission Cable	-	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A	R410A	R410A	
	Control Method	-	-	-	-	-	-	-	-	
Power Supply	Type	Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	
	Motor	Output	244.00	244.00	244.00	244.00	244.00	244.00	244.00	
Fan	Air Flow Rate	High / Mid / Low	26.00/23.00/19.00	26.00/23.00/19.00	30.00/24.00/20.00	30.00/24.00/20.00	34.00/27.00/23.00	34.00/27.00/23.00	37.00/31.00/26.00	
	External Static Pressure	Min / Std / Max	433.33/383.33/316.67	433.33/383.33/316.67	500.00/400.00/333.33	500.00/400.00/333.33	566.67/450.00/383.33	566.67/450.00/383.33	616.67/516.67/433.33	
Sound	Sound Pressure	High / Mid / Low	42.0 / 38.0 / 34.0	42.0 / 38.0 / 34.0	44.0 / 41.0 / 37.0	44.0 / 41.0 / 37.0	46.0 / 42.0 / 38.0	46.0 / 42.0 / 38.0	51.0 / 47.0 / 44.0	
	Sound Power	Cooling	60.0	60.0	62.0	62.0	64.0	64.0	68.0	
External Dimension	Net Weight	kg	42.00	42.00	42.00	42.00	42.00	42.00	42.00	
	Shipping Weight	kg	48.00	48.00	48.00	48.00	48.00	48.00	48.00	
Panel Size	Net Dimensions (WxHxD)	mm	1650 x 675 x 235	1650 x 675 x 235	1650 x 675 x 235	1650 x 675 x 235	1650 x 675 x 235	1650 x 675 x 235	1650 x 675 x 235	
	Shipping Dimensions (WxHxD)	mm	1739 x 758 x 321	1739 x 758 x 321	1739 x 758 x 321	1739 x 758 x 321	1739 x 758 x 321	1739 x 758 x 321	1739 x 758 x 321	
Additional Accessories	Drain pump	Drain pump	-	-	-	-	-	-	-	
	Max Lifting Height / Displacement	mm/liter/h	-	-	-	-	-	-	-	
Power Supply	Type	Φ, #, V, Hz	1,2,220-240,50	3,4,380-415,50	1,2,220-240,50	3,4,380-415,50	1,2,220-240,50	3,4,380-415,50	1,2,220-240,50	
	Model	-	Twin BLDC Rotary UG8T300LNB1U	Twin BLDC Rotary UG8T300LNB1U	Twin BLDC Rotary UG5T450FUEJX	Twin BLDC Rotary UG5T450FUEJX	Twin BLDC Rotary UG5T450FUEJX	Twin BLDC Rotary UG5T450FUEJX	Twin BLDC Rotary UG5T450FUEJX	
Compressor	Output	kW	2.82	2.82	4.12	4.12	4.12	4.12	4.01	
	Oil	Type	PVE	PVE	PVE	PVE	PVE	PVE	PVE	
Fan	Air Flow Rate	Cooling	68.00	68.00	70.00	70.00	100.00	100.00	115.00	
	Sound Pressure	Cooling / Heating	1,133.33	1,133.33	1,166.67	1,166.67	1,666.67	1,666.67	1,916.67	
Sound	Sound Power	Cooling	52.0 / 54.0	52.0 / 54.0	54.0 / 56.0	54.0 / 56.0	53.0 / 54.0	53.0 / 54.0	56.0 / 58.0	
	Net Weight	kg	70.00	72.00	77.00	79.00	88.00	90.00	96.00	
External Dimension	Net Dimensions (WxHxD)	mm	940 x 998 x 330	940 x 998 x 330	940 x 998 x 330	940 x 998 x 330	940 x 1210 x 330	940 x 1210 x 330	940 x 1420 x 330	
	Shipping Dimensions (WxHxD)	mm	995 x 1096 x 426	995 x 1096 x 426	995 x 1096 x 426	995 x 1096 x 426	995 x 1388 x 426	995 x 1388 x 426	995 x 1598 x 426	
Operating Temp. Range	Cooling	°C	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50	
	Heating	°C	-20~24	-20~24	-20~24	-20~24	-20~24	-20~24	-20~24	

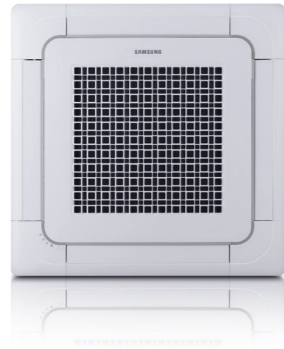
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### Optional Accessories





# CAC SPECIFICATION Indoor Units



## 4way Cassette Nordic

- Virus Doctor (Optional)
- Surround Flow
- Individual Blade Control
- Fan Speed Adjustment for High Ceiling
- New Communication Protocol

4Way Cassette			AC071JN4CEH	AC100JN4CEH	AC100JN4CEH	AC125JN4CEH	
Model Code	Indoor Unit	Outdoor Unit	AC071JXSCGH	AC100JXSCGH	AC100JXSCGH	AC125JXSCGH	
System	Mode	-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
	Capacity	Cooling (Min / Std / Max)	1.70/7.10/8.50	2.20/10.00/12.00	2.20/10.00/12.00	2.20/10.00/12.00	2.20/12.50/14.00
		Heating (Min / Std / Max)	5.800/24.200/29.000	7.500/34.100/40.900	7.500/34.100/40.900	7.500/34.100/40.900	7.500/42.700/47.800
	Power	Power Input (Nominal)	3.00/8.00/11.00	3.30/11.20/17.00	3.30/11.20/17.00	3.30/11.20/17.00	3.30/14.00/19.00
		Current Input (Nominal)	10.200/27.300/37.500	11.300/38.200/58.000	11.300/38.200/58.000	11.300/38.200/58.000	11.300/47.800/64.800
	Energy Efficiency	Energy Grade	Energy Grade (C)	SEER 6.7 (A++)	SEER 7.0 (A++)	SEER 7.0 (A++)	-
		Energy Grade (H)	Energy Grade (H)	SCOP 4.0 (A+)	SCOP 4.1 (A+)	SCOP 4.1 (A+)	-
	Piping Connections	Liquid Pipe	Φ, mm	9.52	9.52	9.52	9.52
		Gas Pipe	Φ, mm	15.88	15.88	15.88	15.88
	Field Wiring	Power Source Wire	-	-	-	-	-
		Transmission Cable	-	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25
	Refrigerant	Type	-	R410A	R410A	R410A	R410A
		Control Method	-	-	-	-	-
	Power Supply	Type	-	Turbo	Turbo	Turbo	Turbo
		Motor Output	W	97.00	97.00	97.00	97.00
Fan	Air Flow Rate	High / Mid / Low	19.50/17.50/15.50	30.00/24.00/18.90	30.00/24.00/18.90	30.00/24.00/18.90	
	External Static Pressure	Min / Std / Max	mmAq	-	-	-	
Drain	Drain Pipe	Φ, mm	VP25 (OD 32.1D 25)	VP25 (OD 32.1D 25)	VP25 (OD 32.1D 25)	VP25 (OD 32.1D 25)	
	Sound Pressure	High / Mid / Low	36.0 / 33.0 / 30.0	43.0 / 38.0 / 33.0	43.0 / 38.0 / 33.0	44.0 / 39.0 / 34.0	
External Dimension	Net Weight	kg	18.00	20.00	20.00	20.00	
	Shipping Weight	kg	23.00	25.00	25.00	25.00	
Panel Size	Net Dimensions (WxHxD)	mm	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840	
	Shipping Dimensions (WxHxD)	mm	898 x 357 x 898	898 x 357 x 898	898 x 357 x 898	898 x 357 x 898	
Additional Accessories	Drain pump	-	-	-	-	-	
	Max Lifting Height / Displacement	mm/liter/h	-	-	-	-	
Power Supply	Type	-	1,2,220-240,50	1,2,220-240,50	3,4,380-415,50	3,4,380-415,50	
	Model	-	Twin BLDC Rotary UGST450FUEJX	-	-	-	
Compressor	Output	kW	4.12	-	-	-	
	Oil Initial Charge	cc	-	-	-	-	
Fan	Air Flow Rate	Cooling	112.00	112.00	112.00	112.00	
	Sound Pressure	Cooling / Heating	1,866.67	1,866.67	1,866.67	1,866.67	
Sound	Sound Power	Cooling	49.0 / 49.0	50.0 / 50.0	50.0 / 50.0	52.0 / 52.0	
	Net Weight	kg	65.0	66.0	66.0	69.0	
External Dimension	Shipping Weight	kg	96.00	96.00	96.00	96.00	
	Net Dimensions (WxHxD)	mm	106.00	106.00	106.00	106.00	
Operating Temp. Range	Cooling	°C	940 x 1420 x 330	940 x 1420 x 330	940 x 1420 x 330	940 x 1420 x 330	
	Heating	°C	995 x 1598 x 426	995 x 1598 x 426	995 x 1598 x 426	995 x 1598 x 426	

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### Optional Accessories



# CAC SPECIFICATION \_Indoor Units



## 4way Cassette Nordic (600x600)

- Compact and Light Unit
- Virus Doctor (Optional)
- No Overflowing Drain Water
- New Communication Protocol

4Way Cassette (600x600)					
Model Code	Indoor Unit	AC026JNNCEH	AC035JNNCEH		
	Outdoor Unit	AC026JXSCEH	AC035JXSCEH		
System	Mode	HEAT PUMP			
	Capacity	Cooling (Min / Std / Max) kW	0.85/2.60/3.50		
	Capacity	Heating (Min / Std / Max) Btu/h	2,900/8,900/11,900	3,100/11,900/14,300	
		Power Input (Nominal) kW	0.80/3.40/5.10	0.80/4.30/5.80	
	Power	Current Input (Nominal) A	2,700/11,600/17,400	2,700/14,700/19,800	
		Power Input (Nominal) kW	0.24/0.64/0.89	0.19/0.94/1.26	
		Current Input (Nominal) A	1.30/3.10/4.20	1.30/4.40/5.80	
		Current Input (Nominal) A	1.10/3.90/6.00	1.10/5.40/7.00	
	Energy Efficiency	MCA	11.00(MCA)	11.00(MCA)	
		MFA	12.50	12.50	
		EER (Nominal Cooling)	4.06	3.72	
		COP (Nominal Heating)	4.10	3.64	
		Energy Grade	Energy Grade (C)	SEER 7.9 (A++)	SEER 7.6 (A++)
		Energy Grade	Energy Grade (H)	SCOP 4.6 (A++)	SCOP 4.5 (A+)
		Piping Connections	Liquid Pipe	Φ, mm	6.35
			Liquid Pipe	Φ, inch	1/4"
			Gas Pipe	Φ, mm	9.52
			Gas Pipe	Φ, inch	3/8"
	Field Wiring	Installation Limitation	Max Length (Outdoor to indoor) m	20	
		Installation Limitation	Max Height (Between ID/OD) m	15.0	
Refrigerant	Power Source Wire	-	-		
	Transmission Cable	-	-		
Power Supply	Type	0.75 ~ 1.25	0.75 ~ 1.25		
	Control Method	R410A	R410A		
Power Supply	Factory Charging	-	-		
	Φ, #, V, Hz	1.2, 2.220-240, 50	1.2, 2.220-240, 50		
Indoor Unit	Type	Turbo	Turbo		
	Motor Output	65.00	65.00		
	Number of Unit	1.00	1.00		
	Fan	Air Flow Rate	High / Mid / Low CMM	8.00/7.10/6.30	
		Air Flow Rate	High / Mid / Low l/s	133.33/118.33/105.00	
	Drain	External Static Pressure	Min / Std / Max mmAq	-	
		Drain Pipe	Φ, mm	VP25 (OD 32, ID 25)	
	Sound	Sound Pressure	High / Mid / Low dB(A)	32.0 / 29.0 / 25.0	
		Sound Power	Cooling W	48.0	
	External Dimension	Net Weight	kg	12.00	
Shipping Weight		kg	14.00		
Net Dimensions (WxHxD)		mm	575 x 250 x 575		
Shipping Dimensions (WxHxD)		mm	623 x 298 x 653		
Panel Size	Panel model	-	PC4SUSMB		
	Panel Net Weight	kg	2.70		
	Shipping Weight	kg	4.20		
	Net Dimensions (WxHxD)	mm	670 x 45 x 670		
Additional Accessories	Shipping Dimensions (WxHxD)	mm	714 x 106 x 724		
	Drain pump	Drain pump	-		
Additional Accessories	Max Lifting Height / Displacement	mm/liter/h	-		
	Air Filter	-	-		
Power Supply	Φ, #, V, Hz	1.2, 2.220-240, 50	1.2, 2.220-240, 50		
	Type	BLDC Rotary	BLDC Rotary		
Compressor	Model	DA128A1FA-20F	DA128A1FA-20F		
	Output	3.83	3.83		
Oil	Type	Ester Oil	Ester Oil		
	Initial Charge	cc	-		
Fan	Air Flow Rate	Cooling CMM	33.00		
	Air Flow Rate	Cooling l/s	550.00		
Sound	Sound Pressure	Cooling / Heating dB(A)	46.0 / 47.0		
	Sound Power	Cooling dB(A)	59.0		
External Dimension	Net Weight	kg	35.00		
	Shipping Weight	kg	39.00		
	Net Dimensions (WxHxD)	mm	790 x 548 x 285		
	Shipping Dimensions (WxHxD)	mm	926 x 640 x 384		
Operating Temp. Range	Cooling	°C	-20 ~ 50		
	Heating	°C	-25 ~ 24		

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### Optional Accessories



# CAC SPECIFICATION Indoor Units

## Duct S Nordic



- The Slimmest and The Lightest Design
- 3-Way Service
- Wi-Fi Control (Optional)
- Zone Control (Optional)
- New Communication Protocol
- Automatic ESP Adjustment
- Easier Drain Pump Installation
- High Efficient Heat Exchanger
- Virus Doctor (Optional)

Duct S			AC035JNMCEH	AC071JNMCEH	AC100JNMCEH	AC100JNMCEH	AC125JNMCEH	
Model Code	Indoor Unit	Outdoor Unit	AC035JXSCGH	AC071JXSCGH	AC100JXSCGH	AC100JXSCGH	AC125JXSCGH	
Mode	-	-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Capacity	Cooling (Min / Std / Max)	kW	0.90/3.50/4.20	3.00/7.10/8.50	3.50/10.00/12.00	3.50/10.00/12.00	3.50/12.50/14.00	
		Btu/h	3,100/11,900/14,300	10,200/24,200/29,000	11,900/34,100/40,900	11,900/34,100/40,900	11,900/42,700/47,800	
Power	Heating (Min / Std / Max)	kW	0.80/4.30/5.80	3.00/8.00/11.00	3.70/11.20/17.00	3.70/11.20/17.00	3.70/14.00/19.00	
		Btu/h	2,700/14,700/19,800	10,200/27,300/37,500	12,600/38,200/58,000	12,600/38,200/58,000	12,600/47,800/64,900	
System	Power Input (Nominal)	kW	0.19/0.94/1.26	0.86/1.92/2.20	0.95/2.74/3.54	0.95/2.74/3.54	0.95/3.79/4.60	
	Current Input (Nominal)	A	0.16/1.18/1.65	0.71/2.05/4.10	0.81/2.47/6.90	0.81/2.47/6.90	0.81/3.58/7.20	
	MCA	A	12.70 (MCA)	26.70 (MCA)	34.70 (MCA)	34.70 (MCA)	14.70 (MCA)	
	MFA	A	12.70	30.00	40.00	40.00	15.00	
Energy Efficiency	EER (Nominal Cooling)	-	3.72	3.70	3.65	3.65	3.30	
	COP (Nominal Heating)	-	3.64	3.90	4.53	4.26	3.91	
Piping Connections	Energy Grade	Energy Grade (C)	SEER 6.5 (A++)	SEER 6.1 (A++)	SEER 6.7 (A++)	SEER 6.7 (A++)	-	
		Energy Grade (H)	SCOP 4.4 (A+)	SCOP 4.0 (A+)	SCOP 4.1 (A+)	SCOP 4.1 (A+)	-	
	Liquid Pipe	Φ, mm	6.35	9.52	9.52	9.52	9.52	
		Φ, inch	1/4"	3/8"	3/8"	3/8"	3/8"	
	Gas Pipe	Φ, mm	9.52	15.88	15.88	15.88	15.88	
		Φ, inch	3/8"	5/8"	5/8"	5/8"	5/8"	
	Installation Limitation	Max Length (Outdoor to indoor)	m	20	75	75	75	
		Max Height (Between ID/OD)	m	15.0	30.0	30.0	30.0	
	Field Wiring	Power Source Wire	-	-	-	-	-	
		Transmission Cable	-	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25	
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A	
	Control Method	-	-	-	-	-	-	
Power Supply	Factory Charging	kg	1.27	2.90	2.90	2.90	2.90	
	Φ, #, V, Hz	-	1,2.220-240.50	1,2.220-240.50	1,2.220-240.50	1,2.220-240.50	1,2.220-240.50	
Fan	Type	-	Sirocco	Sirocco	Sirocco	Sirocco	Sirocco	
	Motor Output	W	153.00	153.00	244.00	244.00	244.00	
	Number of Unit	EA	1.00	1.00	1.00	1.00	1.00	
	Air Flow Rate	High / Mid / Low	CMM	12.90/11.00/9.50	21.00/18.50/16.50	36.10/29.30/24.00	36.10/29.30/24.00	38.60/33.00/26.20
Drain	External Static Pressure	Min / Std / Max	mmAq	215.00/183.33/158.33	350.00/308.33/275.00	601.67/488.33/400.00	601.67/488.33/400.00	643.33/550.00/436.67
	Sound Pressure	Pa	-	0.00/2.50/15.00	0.00/3.00/15.00	0.00/4.00/15.00	0.00/4.00/15.00	
Sound	Drain Pipe	Φ, mm	VP20 (OD 25.1D 20)	VP20 (OD 25.1D 20)	VP20 (OD 25.1D 20)	VP20 (OD 25.1D 20)	VP20 (OD 25.1D 20)	
	Sound Power	High / Mid / Low	dB(A)	31.0 / 28.0 / 25.0	33.0 / 29.0 / 25.0	37.0 / 33.0 / 28.0	37.0 / 33.0 / 28.0	39.0 / 35.0 / 31.0
External Dimension	Net Weight	kg	25.00	32.00	36.00	36.00	63.0	
	Shipping Weight	kg	29.00	37.00	42.00	42.00	63.0	
	Net Dimensions (WxHxD)	mm	850 x 250 x 700	1200 x 250 x 700	1300 x 300 x 700	1300 x 300 x 700	1300 x 300 x 700	
	Shipping Dimensions (WxHxD)	mm	1064 x 320 x 784	1429 x 320 x 779	1529 x 370 x 779	1529 x 370 x 779	1529 x 370 x 779	
Panel Size	Panel model	-	-	-	-	-	-	
	Panel Net Weight	kg	-	-	-	-	-	
Additional Accessories	Shipping Weight	kg	-	-	-	-	-	
	Net Dimensions (WxHxD)	mm	-	-	-	-	-	
Drain Pump	Shipping Dimensions (WxHxD)	mm	-	-	-	-	-	
	MDP-G075SP	-	MDP-G075SP	MDP-G075SP	MDP-G075SP	MDP-G075SP	MDP-G075SP	
Power Supply	Drain pump	Max Lifting Height / Displacement	mm/liter/h	-	-	-	-	
	Air Filter	-	-	-	-	-	-	
Compressor	Type	Φ, #, V, Hz	1,2.220-240.50	1,2.220-240.50	1,2.220-240.50	3,4.380-415.50	3,4.380-415.50	
	Model	-	BLDC Rotary	Twin BLDC Rotary	-	-	-	
Oil	Output	kW	3.83	4.12	-	-	-	
	Initial Charge	cc	-	Ester Oil	PVE	-	-	
Fan	Air Flow Rate	Cooling	CMM	33.00	112.00	112.00	112.00	
	Sound Pressure	Cooling / Heating	dB(A)	550.00	1,866.67	1,866.67	1,866.67	
	Sound Power	Cooling	dB(A)	47.0 / 48.0	49.0 / 49.0	50.0 / 50.0	52.0 / 52.0	
	Net Weight	kg	35.00	96.00	96.00	96.00		
External Dimension	Shipping Weight	kg	39.00	106.00	106.00	106.00		
	Net Dimensions (WxHxD)	mm	790 x 548 x 285	940 x 1420 x 330	940 x 1420 x 330	940 x 1420 x 330		
Operating Temp. Range	Shipping Dimensions (WxHxD)	mm	926 x 640 x 384	995 x 1598 x 426	995 x 1598 x 426	995 x 1598 x 426		
	Cooling	°C	-18~50	-18~50	-18~50	-18~50		
	Heating	°C	-25~24	-25~24	-25~24	-25~24		

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### Optional Accessories



### Zone Control Accessories



# FJM LINEUP & FEATURE

# FJM SPECIFICATION \_Outdoor Units

## FREE JOINT MULTI

4kW

5kW

5.2kW



6kW

7kW

8kW



10kW



## Free Joint Multi

- Twin BLDC Compressor
- Sine Wave Controller
- Sound Insulator for the Compressor
- Easy Installation

### Free Joint Multi

Model Code		AJ040FCJ2EH	AJ050FCJ2EH	
Power Supply	Φ, #, V, Hz	1.2.220-240.50	1.2.220-240.50	
Mode		HEAT PUMP	HEAT PUMP	
Performance	HP	1.50	1.80	
	Capacity (Nominal)	kW	4.00	
		Btu/h	13,600	
		kW	4.40	
Power		Btu/h	15,000	
	Power Input (Nominal)	Cooling	kW	1.02
		Heating	kW	0.99
	Current Input (Nominal)	Cooling	A	4.70
COP		Heating	A	4.50
	MCA		9.80 (MCA)	11.80 (MCA)
	MFA		11.25	13.75
	Nominal Cooling		3.92	3.79
Compressor	Nominal Heating		4.44	4.22
	Type		Twin BLDC Rotary x 1	Twin BLDC Rotary x 1
	Output	kW x n	(4.45)	(4.45)
	Model Name		UG4T150FUDJQDO x 1	UG4T150FUDJQDO x 1
Fan	Oil	Type	POE	POE
		Initial Charge	cc	650
	Type		Propeller Fan/BLDC	Propeller Fan/BLDC
	Output x n	W	35.0 x 1	35.0 x 1
Piping Connections	Air Flow Rate	CMM	30	33
		l/s	506.67	551.67
	External Static Pressure	Max.	mmAq	-
			Pa	-
Field Wiring	Liquid Pipe	Φ, mm x EA	6.35 x 2	6.35 x 2
		Φ, inch x EA	1/4" x 2	1/4" x 2
	Gas Pipe	Φ, mm x EA	9.52 x 2	9.52 + 12.70
		Φ, inch x EA	3/8" x 2	3/8" + 1/2"
Refrigerant	Installation Limitation	Max. Length	m	20
		Max. Height	m	15.0
	Power Source Wire		mm <sup>2</sup>	2.5 ~ 2.5
	Transmission Cable		mm <sup>2</sup>	0.75 ~ 1.0
Sound	Type		-	R410A
	Factory Charging		kg	1.30
	Sound Pressure		dB(A)	45.0
	Sound Power		dB(A)	61.0
External Dimension	Net Weight		kg	37.0
	Shipping Weight		kg	40.0
	Net Dimensions (WxHxD)		mm	790 x 545 x 285
	Shipping Dimensions (WxHxD)		mm	926 x 599 x 382
Operating Temp. Range	Cooling	°C	-5.0 ~ 46.0	-5.0 ~ 46.0
	Heating	°C	-15.0 ~ 24.0	-15.0 ~ 24.0

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# FJM SPECIFICATION Outdoor Units



## Free Joint Multi

- Twin BLDC Compressor
- Sine Wave Controller
- Sound Insulator for the Compressor
- Easy Installation

Free Joint Multi			AJ052FCJ3EH	AJ068FCJ3EH	AJ070FCJ4EH	AJ080FCJ4EH	AJ100FCJ5EH	
Power Supply	Φ, #, V, Hz		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP		2.00	2.50	2.50	3.00	3.50	
		Cooling	kW	5.20	6.80	7.00	8.00	10.00
	Capacity (Nominal)	Cooling	Btu/h	17,700	23,200	23,900	27,300	34,100
		Heating	Btu/h	21,500	27,300	29,300	31,700	40,900
Power	Power Input (Nominal)	Cooling	kW	1.35	2.00	1.90	2.30	2.90
		Heating	kW	1.40	1.91	2.00	2.20	2.93
	Current Input (Nominal)	Cooling	A	6.20	9.20	8.70	10.50	13.30
		Heating	A	6.40	8.70	9.20	10.10	13.40
	MCA		12.20 (MCA)	15.50 (MCA)	18.70 (MCA)	18.70 (MCA)	26.20 (MCA)	
	MFA		13.75	17.50	20.75	20.75	28.80	
COP	Nominal Cooling		3.85	3.40	3.68	3.48	3.45	
	Nominal Heating		4.50	4.19	4.30	4.23	4.10	
Compressor	Type		Twin BLDC Rotary x 1	Twin BLDC Rotary x 1	Twin BLDC Rotary x 1	Twin BLDC Rotary x 1	Twin BLDC Rotary x 1	
	Output	kW x n	(1.79)	(1.79)	(2.45)	(2.45)	(9.17)	
	Model Name		UG4T200FUA4E4DO x 1	UG4T200FUA4E4DO x 1	G8T260FUA4EW x 1	G8T260FUA4EW x 1	UG8T300FUBJUSG x 1	
	Oil	Type	POE	POE	POE	POE	POE	
	Initial Charge	cc	650	650	700	700	1200	
Fan	Type		Propeller Fan/BLDC	Propeller Fan/BLDC	Propeller Fan/BLDC	Propeller Fan/BLDC	Propeller Fan/BLDC	
	Output x n	W	45.0 x 1	124.0 x 1	124.0 x 1	124.0 x 1	150.0 x 1	
	Air Flow Rate	CMM	38	48	46	47	71	
		l/s	633.33	791.67	770.00	781.67	1,176.67	
External Static Pressure	Max.	mmAq	-	-	-	-	-	
		Pa	-	-	-	-	-	
Piping Connections	Liquid Pipe	Φ, mm x EA	6.35 x 3	6.35 x 3	6.35 x 4	6.35 x 4	6.35 x 5	
		Φ, inch x EA	1/4" x 3	1/4" x 3	1/4" x 4	1/4" x 4	1/4" x 5	
	Gas Pipe	Φ, mm x EA	9.52 x 2 + 12.70	9.52 x 2 + 12.70 x 2	9.52 x 2 + 12.70 x 2	12.70 x 3 + 15.88	12.70 x 3 + 15.88 x 2	
		Φ, inch x EA	3/8" x 2 + 1/2"	3/8" + 1/2" x 2	3/8" x 2 + 1/2" x 2	1/2" x 3 + 5/8"	1/2" x 3 + 5/8" x 2	
Installation Limitation	Max. Length	m	20	20	25	25		
	Max. Height	m	15.0	15.0	15.0	15.0		
Field Wiring	Power Source Wire	mm <sup>2</sup>	2.5 ~ 2.5	2.5 ~ 2.5	2.5 ~ 2.5	2.5 ~ 2.5	4.0 ~ 4.0	
	Transmission Cable	mm <sup>2</sup>	0.75 ~ 1.0	0.75 ~ 1.0	0.75 ~ 1.0	0.75 ~ 1.0		
Refrigerant	Type		R410A	R410A	R410A	R410A		
	Factory Charging	kg	2.20	2.20	2.80	2.80	3.30	
Sound	Sound Pressure	dB(A)	46.0	48.0	48.0	49.0	54.0	
	Sound Power	dB(A)	61.0	63.0	63.0	63.0	70.0	
External Dimension	Net Weight	kg	49.0	57.0	65.0	65.0	74.5	
	Shipping Weight	kg	53.0	61.0	70.0	70.0	80.0	
	Net Dimensions (WxHxD)	mm	880 x 638 x 310	880 x 798 x 310	880 x 798 x 310	880 x 798 x 310	940 x 998 x 330	
	Shipping Dimensions (WxHxD)	mm	1,053 x 695 x 413	1,023 x 889 x 413	1,023 x 889 x 413	1,023 x 889 x 413	995 x 1,096 x 426	
Operating Temp. Range	Cooling	°C	-5.0 ~ 46.0	-5.0 ~ 46.0	-5.0 ~ 46.0	-5.0 ~ 46.0	-10.0 ~ 46.0	
	Heating	°C	-15.0 ~ 24.0	-15.0 ~ 24.0	-15.0 ~ 24.0	-15.0 ~ 24.0	-15.0 ~ 24.0	

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# FJM SPECIFICATION Indoor Units



## 4Way Cassette (600x600)

- Compact and Light Unit
- Virus Doctor (Optional)
- Motion Detect Sensor (Optional)
- No Overflowing Drain Water

4Way Cassette (600x600)				AJN016NDEHA	AJN020NDEHA	AJN026NDEHA	AJN035NDEHA	AJN052NDEHA
Model Code				AJN016NDEHA	AJN020NDEHA	AJN026NDEHA	AJN035NDEHA	AJN052NDEHA
Power Supply		Φ, #, V, Hz		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode				HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	1.60	2.00	2.60	3.50	5.20
			Btu/h	5,500	6,800	8,900	11,900	17,700
		Heating	kW	2.00	2.20	2.90	3.80	5.60
			Btu/h	6,800	7,500	9,900	13,000	19,100
Power	Power Input (Nominal)	Cooling	W	19.00	19.00	19.00	22.00	28.00
			Heating	19.00	19.00	19.00	22.00	28.00
	Current Input (Nominal)	Cooling	A	0.51	0.51	0.51	0.52	0.53
			Heating	0.51	0.51	0.51	0.52	0.53
Fan	Motor	Type	-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
		Output x n	W	65 x 1	65 x 1	65 x 1	65 x 1	65 x 1
	Air Flow Rate	H/M/L (UL)	CMM	9.90/8.20/6.90	9.90/8.20/6.90	9.90/8.20/6.90	10.70/9.00/7.40	12.40/10.70/9.00
			l/s	165.00/136.67/115.00	165.00/136.67/115.00	165.00/136.67/115.00	178.33/150.00/123.33	206.67/178.33/150.00
External Pressure	Min / Std / Max	mmAq	-	-	-	-	-	
		Pa	-	-	-	-	-	
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35	6.35	6.35	
		Φ, inch	1/4"	1/4"	1/4"	1/4"	1/4"	
	Gas Pipe	Φ, mm	9.52	9.52	9.52	9.52	12.70	
		Φ, inch	3/8"	3/8"	3/8"	3/8"	1/2"	
Drain Pipe	Φ, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)		
Field Wiring	Power Source Wire	mm <sup>2</sup>	1	1	1	1	1	
	Transmission Cable	mm <sup>2</sup>	0.75 ~ 1	0.75 ~ 1	0.75 ~ 1	0.75 ~ 1	0.75 ~ 1	
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A	
	Control Method	-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	
Sound	Sound Pressure	High / Mid / Low	dB(A)	33.0/29.0/24.0	33.0/29.0/24.0	34.0/30.0/25.0	36.0/33.0/29.0	40.0/36.0/32.0
		Cooling	dB(A)	47.0	47.0	47.0	49.0	55.0
Dimensions	Net Weight	kg	11.00	11.00	11.00	11.00	11.70	
	Shipping Weight	kg	13.00	13.00	13.00	13.00	13.70	
	Net Dimensions (WxHxD)	mm	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	
	Shipping Dimensions (WxHxD)	mm	623 x 298 x 653	623 x 298 x 653	623 x 298 x 653	623 x 298 x 653	623 x 298 x 653	
Panel Size	Panel model	-	PC4SUSMB	PC4SUSMB	PC4SUSMB	PC4SUSMB	PC4SUSMB	
	Panel Net Weight	kg	2.70	2.70	2.70	2.70	2.70	
	Shipping Weight	kg	4.20	4.20	4.20	4.20	4.20	
	Net Dimensions (WxHxD)	mm	670 x 45 x 670	670 x 45 x 670	670 x 45 x 670	670 x 45 x 670	670 x 45 x 670	
Shipping Dimensions (WxHxD)	mm	714 x 106 x 724	714 x 106 x 724	714 x 106 x 724	714 x 106 x 724	714 x 106 x 724		
Additional Accessories	Drain pump	Drain pump - / Model name	-	-	-	-	-	
	Air Filter	Max. lifting Height / Displacement mm / liter/h	-	-	-	-	-	

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### Optional Accessories



# FJM SPECIFICATION Indoor Units



## 1Way Cassette

- Slim and Compact Design
- Quiet Operation
- No Overflowing Drain Water



## Console

- Slim & Smart Design
- 2Way Air Outlet
- Silent Operation

1Way Cassette				MH026FSEA	MH035FSEA
Model Code					
Power Supply		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	
Mode		-	HP/HR	HP/HR	
Performance	Capacity (Nominal)	Cooling	kW	2.60	3.50
			Btu/h	8,900	11,900
		Heating	kW	2.90	3.80
			Btu/h	9,900	13,000
Power	Power Input (Nominal)	Cooling	W	45.00	50.00
		Heating	W	45.00	50.00
	Current Input (Nominal)	Cooling	A	0.23	0.25
		Heating	A	0.23	0.25
Fan	Motor	Type	-	Crossflow Fan	Crossflow Fan
		Output x n	W	80 x 1	80 x 1
	Air Flow Rate	H/M/L (UL)	CMM	6.20/5.20/4.20	7.60/6.60/5.60
		l/s		103.33/86.67/70.00	126.67/110.00/93.33
External Pressure	Min / Std / Max	mmAq	-	-	
		Pa	-	-	
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	
		Φ, inch	1/4"	1/4"	
	Gas Pipe	Φ, mm	9.52	9.52	
		Φ, inch	3/8"	3/8"	
Drain Pipe	Φ, mm	VP20 (OD 25, ID 20)	VP20 (OD 25, ID 20)		
Field Wiring	Power Source Wire	mm <sup>2</sup>	1.5~2.5	1.5~2.5	
	Transmission Cable	mm <sup>2</sup>	0.75~1.50	0.75~1.50	
Refrigerant	Type	-	R410A	R410A	
	Control Method	-	EEV NOT INCLUDED	EEV NOT INCLUDED	
Sound	Sound Pressure	High / Mid / Low	dB(A)	30.0/28.0/25.0	32.0/30.0/27.0
	Sound Power	Cooling	dB(A)	53.0	53.0
Dimensions	Net Weight	kg	11.00	11.00	
	Shipping Weight	kg	14.00	14.00	
	Net Dimensions (W×H×D)	mm	970 x 135 x 410	970 x 135 x 410	
	Shipping Dimensions (W×H×D)	mm	1164 x 212 x 478	1164 x 212 x 478	
Panel Size	Panel model	-	PSSMA	PSSMA	
	Panel Net Weight	kg	3.10	3.10	
	Shipping Weight	kg	4.50	4.50	
	Net Dimensions (W×H×D)	mm	1180 x 25 x 460	1180 x 25 x 460	
Additional Accessories	Drain pump	Drain pump	- / Model name	-	-
		Max. lifting Height / Displacement	mm / liter/h	-	-
Air Filter			-	-	

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Console				MH026FJEA	MH035FJEA	MH052FJEA
Model Code						
Power Supply		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode		-	HP/HR	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	2.60	3.50	5.20
			Btu/h	8,900	11,900	17,700
		Heating	kW	2.90	3.80	5.60
			Btu/h	9,900	13,000	19,100
Power	Power Input (Nominal)	Cooling	W	30.00	35.00	50.00
		Heating	W	30.00	35.00	50.00
	Current Input (Nominal)	Cooling	A	0.25	0.29	0.35
		Heating	A	0.25	0.29	0.35
Fan	Motor	Type	-	Turbo Fan	Turbo Fan	Turbo Fan
		Output x n	W	37 x 1	37 x 1	37 x 1
	Air Flow Rate	H/M/L (UL)	CMM	9.00/7.80/6.70	10.50/9.30/8.20	11.20/9.90/8.60
		l/s		150.00/130.00/111.67	175.00/155.00/136.67	186.67/165.00/143.33
External Pressure	Min / Std / Max	mmAq	-	-	-	
		Pa	-	-	-	
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35	
		Φ, inch	1/4"	1/4"	1/4"	
	Gas Pipe	Φ, mm	9.52	9.52	12.70	
		Φ, inch	3/8"	3/8"	1/2"	
Drain Pipe	Φ, mm	VP18 (OD 19, ID 16)	VP18 (OD 19, ID 16)	VP18 (OD 19, ID 16)		
Field Wiring	Power Source Wire	mm <sup>2</sup>	1.5~2.5	1.5~2.5	1.5~2.5	
	Transmission Cable	mm <sup>2</sup>	0.75~1.50	0.75~1.50	0.75~1.50	
Refrigerant	Type	-	R410A	R410A	R410A	
	Control Method	-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	
Sound	Sound Pressure	High / Mid / Low	dB(A)	28.0/26.0/23.0	39.0/32.0/24.0	44.0/34.0/25.0
	Sound Power	Cooling	dB(A)	53.0	59.0	60.0
Dimensions	Net Weight	kg	15.00	15.00	15.00	
	Shipping Weight	kg	19.00	19.00	19.00	
	Net Dimensions (W×H×D)	mm	720 x 620 x 199	720 x 620 x 199	720 x 620 x 199	
	Shipping Dimensions (W×H×D)	mm	810 x 710 x 295	810 x 710 x 295	810 x 710 x 295	
Panel Size	Panel model	-	-	-	-	
	Panel Net Weight	kg	-	-	-	
	Shipping Weight	kg	-	-	-	
	Net Dimensions (W×H×D)	mm	-	-	-	
Additional Accessories	Drain pump	Drain pump	- / Model name	-	-	
		Max. lifting Height / Displacement	mm / liter/h	-	-	
Air Filter			-	-		

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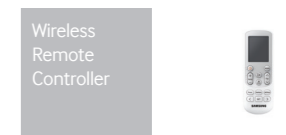
### Optional Accessories



### Optional Accessories



### Standard Accessories



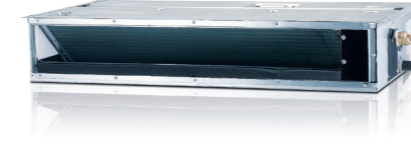
# FJM SPECIFICATION Indoor Units

## MSP Duct



- Narrow Width
- Strong and Large Coverage Area
- Silent Operation with the Static Pressure Control
- Easy to Maintain

## LSP Duct



- Flexible Installation
- Easier Drain Pump Installation
- Slim Design
- Easy to Maintain

MSP Duct			
Model Code		MH052FJEA	
Power Supply		Φ, #, V, Hz	1,2.220-240.50
Mode		-	HP/HR
Performance	Capacity (Nominal)	Cooling	kW 5.20 Btu/h 17,700
		Heating	kW 6.00 Btu/h 20,500
Power	Power Input (Nominal)	Cooling	W 170.00
		Heating	W 170.00
	Current Input (Nominal)	Cooling	A 1.04
		Heating	A 1.04
Fan	Motor	Type	- Sirocco Fan
		Output x n	W 124 x 1
		Air Flow Rate	H/M/L (UL) CMM 16.30/15.00/13.50 l/s 271.67/250.00/225.00
	External Pressure	mmAq	0.00/4.00/8.00
		Pa	0.00/39.23/78.45
Piping Connections	Liquid Pipe	Φ, mm	6.35
		Φ, inch	1/4"
	Gas Pipe	Φ, mm	12.70
		Φ, inch	1/2"
Field Wiring	Power Source Wire	mm <sup>2</sup>	1.5 ~ 2.5
		mm <sup>2</sup>	0.75 ~ 1.50
Refrigerant	Type	-	R410A
		Control Method	-
Sound	Sound Pressure	High / Mid / Low	dB(A) 37.0/35.0/33.0
		Cooling	dB(A) 59.0
Dimensions	Net Weight	kg	29.00
		kg	34.00
		mm	900 x 260 x 480
		mm	1146 x 345 x 584
		mm	-
Panel Size	Panel Net Weight	kg	-
		kg	-
		mm	-
		mm	-
		mm	-
Additional Accessories	Drain pump	- / Model name	MDP-M075SGU3
		mm / liter/h	-
Air Filter		-	-

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LSP Duct					
Model Code		NJ026LHXA		NJ035LHXA	
Power Supply		Φ, #, V, Hz	1,2.220-240.50	1,2.220-240.50	
Mode		-	HP/HR	HP/HR	
Performance	Capacity (Nominal)	Cooling	kW 2.60 Btu/h 8,900	11,900	
		Heating	kW 2.90 Btu/h 9,900	13,000	
Power	Power Input (Nominal)	Cooling	W 80.00	80.00	
		Heating	W 80.00	80.00	
	Current Input (Nominal)	Cooling	A 0.40	0.40	
		Heating	A 0.40	0.40	
Fan	Motor	Type	- Sirocco Fan	Sirocco Fan	
		Output x n	W 80 x 1	80 x 1	
		Air Flow Rate	H/M/L (UL) CMM 8.60/7.60/6.60 l/s 143.33/126.67/110.00	9.80/8.80/7.80 163.33/146.67/130.00	
	External Pressure	mmAq	0.00/2.00/4.00	0.00/2.00/4.00	
		Pa	0.00/19.61/39.23	0.00/19.61/39.23	
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	
		Φ, inch	1/4"	1/4"	
	Gas Pipe	Φ, mm	9.52	9.52	
		Φ, inch	3/8"	3/8"	
Field Wiring	Power Source Wire	mm <sup>2</sup>	1.5 ~ 2.5	1.5 ~ 2.5	
		mm <sup>2</sup>	0.75 ~ 1.50	0.75 ~ 1.50	
Refrigerant	Type	-	R410A	R410A	
		Control Method	-	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure	High / Mid / Low	dB(A) 30.0/28.0/25.0	32.0/30.0/27.0	
		Cooling	dB(A) 53.0	53.0	
Dimensions	Net Weight	kg	26.00	26.00	
		kg	31.00	31.00	
		mm	900 x 199 x 600	900 x 199 x 600	
		mm	1133 x 330 x 730	1133 x 330 x 730	
		mm	-	-	
Panel Size	Panel Net Weight	kg	-	-	
		kg	-	-	
		mm	-	-	
		mm	-	-	
		mm	-	-	
Additional Accessories	Drain pump	- / Model name	MDP-E075SEE3	MDP-E075SEE3	
		mm / liter/h	-	-	
Air Filter		-	-	-	

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### Optional Accessories



### Optional Accessories



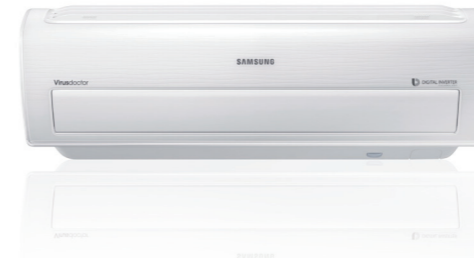


# FJM SPECIFICATION Indoor Units



## AR9000

- Entirely New Design for Powerful Performance
- Eliminates the virus twice by Filter and Virus Doctor
- Secure the easy Installation and pipe connection



## AR7000

- Entirely New Design for Powerful Performance
- Eliminates the virus twice by Filter and Virus Doctor
- Secure the easy Installation and pipe connection

AR9000 Triangle - Premium					
Model Code		AR09JSPFBWKNEU		AR12JSPFBWKNEU	
Power Supply		Φ, #, V, Hz		1,2,220-240,50	
Mode		-		HP/HR	
Performance	Capacity (Nominal)	Cooling	kW	2.50	3.50
		Heating	kW	3.20	4.00
			Btu/h	8,500	11,900
			Btu/h	10,900	13,600
Power	Power Input (Nominal)	Cooling	W	30.00	30.00
		Heating	W	30.00	30.00
	Current Input (Nominal)	Cooling	A	0.30	0.30
		Heating	A	0.30	0.30
Fan	Motor	Type	-	Cross flow Fan	Cross flow Fan
		Output x n	W	27 x 1	27 x 1
	Air Flow Rate	H/M/L (UL)	CMM	11.00/-/-	11.00/-/-
			l/s	183.33/-/-	183.33/-/-
External Pressure	Min / Std / Max	mmAq	-	-	
		Pa	-	-	
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	
		Φ, inch	1/4"	1/4"	
	Gas Pipe	Φ, mm	9.52	9.52	
		Φ, inch	3/8"	3/8"	
Drain Pipe	Φ, mm	ID 18 HOSE	ID 18 HOSE		
Field Wiring	Power Source Wire	mm <sup>2</sup>	1.5 ~ 2.5	1.5 ~ 2.5	
	Transmission Cable	mm <sup>2</sup>	0.75 ~ 1.5	0.75 ~ 1.5	
Refrigerant	Type	-	R410A	R410A	
	Control Method	-	EEV NOT INCLUDED	EEV NOT INCLUDED	
Sound	Sound Pressure	High / Mid / Low	dB(A)	38.0/29.0/16.0	40.0/30.0/16.0
	Sound Power	Cooling	dB(A)	57.0	59.0
Dimensions	Net Weight	kg	12.00	12.00	
	Shipping Weight	kg	14.50	14.50	
	Net Dimensions (W×H×D)	mm	936 x 267 x 264	936 x 267 x 264	
	Shipping Dimensions (W×H×D)	mm	1020 x 326 x 345	1020 x 326 x 345	
	Panel model	-	-	-	
Panel Size	Panel Net Weight	kg	-	-	
	Shipping Weight	kg	-	-	
	Net Dimensions (W×H×D)	mm	-	-	
	Shipping Dimensions (W×H×D)	mm	-	-	
	Drain pump	Drain pump	- / Model name	-	-
Additional Accessories	Max. lifting Height / Displacement	mm / liter/h	-	-	
	Air Filter	-	-	-	

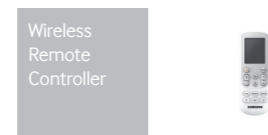
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AR7000 Triangle - Deluxe					
Model Code		AR07KSPDBWKNEU			
Power Supply		Φ, #, V, Hz		1,2,220-240,50	
Mode		-		HP/HR	
Performance	Capacity (Nominal)	Cooling	kW	2.00	2.00
		Heating	kW	2.20	2.20
			Btu/h	6,800	7,500
			Btu/h	7,500	7,500
Power	Power Input (Nominal)	Cooling	W	30.00	30.00
		Heating	W	30.00	30.00
	Current Input (Nominal)	Cooling	A	0.30	0.30
		Heating	A	0.30	0.30
Fan	Motor	Type	-	Cross flow Fan	Cross flow Fan
		Output x n	W	27 x 1	27 x 1
	Air Flow Rate	H/M/L (UL)	CMM	10.00/-/-	10.00/-/-
			l/s	166.67/-/-	166.67/-/-
External Pressure	Min / Std / Max	mmAq	-	-	
		Pa	-	-	
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	
		Φ, inch	1/4"	1/4"	
	Gas Pipe	Φ, mm	9.52	9.52	
		Φ, inch	3/8"	3/8"	
Drain Pipe	Φ, mm	ID 18 HOSE	ID 18 HOSE		
Field Wiring	Power Source Wire	mm <sup>2</sup>	1.5 ~ 2.5	1.5 ~ 2.5	
	Transmission Cable	mm <sup>2</sup>	0.75 ~ 1.5	0.75 ~ 1.5	
Refrigerant	Type	-	R410A	R410A	
	Control Method	-	EEV NOT INCLUDED	EEV NOT INCLUDED	
Sound	Sound Pressure	High / Mid / Low	dB(A)	38.0/29.0/16.0	38.0/29.0/16.0
	Sound Power	Cooling	dB(A)	56.0	56.0
Dimensions	Net Weight	kg	10.20	10.20	
	Shipping Weight	kg	12.50	12.50	
	Net Dimensions (W×H×D)	mm	826 x 261 x 261	826 x 261 x 261	
	Shipping Dimensions (W×H×D)	mm	886 x 317 x 335	886 x 317 x 335	
	Panel model	-	-	-	
Panel Size	Panel Net Weight	kg	-	-	
	Shipping Weight	kg	-	-	
	Net Dimensions (W×H×D)	mm	-	-	
	Shipping Dimensions (W×H×D)	mm	-	-	
	Drain pump	Drain pump	- / Model name	-	-
Additional Accessories	Max. lifting Height / Displacement	mm / liter/h	-	-	
	Air Filter	-	-	-	

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\* These products contain R410A which is fluorinated greenhouse gas.

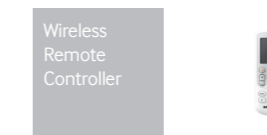
### Optional Accessories

### Standard Accessories



### Optional Accessories

### Standard Accessories



# FJM SPECIFICATION Indoor Units



## AR7000

- Entirely New Design for Powerful Performance
- Eliminates the virus twice by Filter and Virus Doctor
- Secure the easy Installation and pipe connection

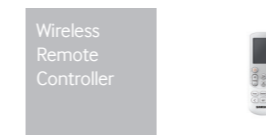
AR7000 Triangle - Deluxe				AR09KSPDBWKNEU	AR12KSPDBWKNEU	AR18KSPDBWKNEU	AR24KSPDBWKNEU
Model Code		Φ, #, V, Hz		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Power Supply		-		HP/HR	HP/HR	HP/HR	HP/HR
Mode		-		2.50	3.50	5.00	6.80
Performance	Capacity (Nominal)	Cooling	kW	8,500	11,900	17,100	23,200
		Heating	Btu/h	3.20	4.00	6.00	8.00
Power	Power Input (Nominal)	Cooling	kW	10,900	13,600	20,500	27,300
		Heating	Btu/h	30.00	30.00	50.00	50.00
Power	Current Input (Nominal)	Cooling	W	30.00	30.00	50.00	50.00
		Heating	A	0.30	0.30	0.40	0.40
Fan	Motor	Type	-	Cross flow Fan	Cross flow Fan	Cross flow Fan	Cross flow Fan
		Output x n	W	27 x 1	27 x 1	27 x 1	27 x 1
	Air Flow Rate	H/M/L (UL)	CMM	11.00/-/-	12.00/-/-	19.00/-/-	19.00/-/-
			l/s	183.33/-/-	200.00/-/-	316.67/-/-	316.67/-/-
External Pressure	Min / Std / Max	mmAq	-	-	-	-	
		Pa	-	-	-	-	
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35	6.35	
		Φ, inch	1/4"	1/4"	1/4"	1/4"	
	Gas Pipe	Φ, mm	9.52	9.52	12.70	15.88	
		Φ, inch	3/8"	3/8"	1/2"	5/8"	
Drain Pipe	Φ, mm	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE		
Field Wiring	Power Source Wire	mm <sup>2</sup>	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	
	Transmission Cable	mm <sup>2</sup>	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	
Refrigerant	Type	-	R410A	R410A	R410A	R410A	
	Control Method	-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	
Sound	Sound Pressure	High / Mid / Low	dB(A)	38.0/29.0/16.0	40.0/30.0/16.0	42.0/30.0/25.0	43.0/34.0/26.0
	Sound Power	Cooling	dB(A)	56.0	58.0	58.0	62.0
Dimensions	Net Weight	kg	10.20	10.20	15.50	15.50	
	Shipping Weight	kg	12.50	12.50	18.50	18.50	
	Net Dimensions (W×H×D)	mm	826 x 261 x 261	826 x 261 x 261	1065 x 301 x 294	1065 x 301 x 294	
	Shipping Dimensions (W×H×D)	mm	886 x 317 x 335	886 x 317 x 335	1123 x 354 x 384	1123 x 354 x 384	
Panel Size	Panel model	-	-	-	-	-	
	Panel Net Weight	kg	-	-	-	-	
	Shipping Weight	kg	-	-	-	-	
	Net Dimensions (W×H×D)	mm	-	-	-	-	
Additional Accessories	Drain pump	Drain pump	- / Model name	-	-	-	
	Air Filter	Max. lifting Height / Displacement	mm / liter/h	-	-	-	

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### Optional Accessories



### Standard Accessories



# FJM SPECIFICATION Indoor Units



## AR5000

- Entirely New Design for Powerful Performance
- Eliminates the virus twice by Filter and Virus Doctor
- Secure the easy Installation and pipe connection

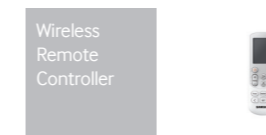
AR5000 Triangle - Standard 1				AR07KSWSAWKNEU	AR09KSWSBWKNET	AR12KSWSBWKNET	AR18KSWSAWKNEU	AR24KSWSAWKNEU
Model Code				1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Power Supply		Φ, #, V, Hz						
Mode		-		HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	2.00	2.50	3.50	5.00	6.80
		Btu/h	6,800	8,500	11,900	17,100	23,200	
	Heating	kW	2.20	3.20	3.80	6.00	7.80	
		Btu/h	7,500	10,900	13,000	20,500	26,600	
Power	Power Input (Nominal)	Cooling	W	30.00	30.00	30.00	50.00	50.00
		Heating	30.00	30.00	30.00	50.00	50.00	
	Current Input (Nominal)	Cooling	A	0.30	0.30	0.30	0.40	0.40
		Heating	0.30	0.30	0.30	0.40	0.40	
Fan	Motor	Type	-	Cross flow Fan	Cross flow Fan	Cross flow Fan	Cross flow Fan	Cross flow Fan
		Output x n	W	27 x 1	27 x 1	27 x 1	27 x 1	27 x 1
	Air Flow Rate	H/M/L (UL)	CMM	10.00/-/-	11.00/-/-	12.00/-/-	19.00/-/-	21.00/-/-
		l/s	166.67/-/-	183.33/-/-	200.00/-/-	316.67/-/-	350.00/-/-	
External Pressure	Min / Std / Max	mmAq	-	-	-	-	-	
	Pa	-	-	-	-	-		
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35	6.35	6.35	
		Φ, inch	1/4"	1/4"	1/4"	1/4"	1/4"	
	Gas Pipe	Φ, mm	9.52	9.52	9.52	12.70	15.88	
		Φ, inch	3/8"	3/8"	3/8"	1/2"	5/8"	
Drain Pipe	Φ, mm	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE		
Field Wiring	Power Source Wire	mm <sup>2</sup>	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	
	Transmission Cable	mm <sup>2</sup>	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A	
	Control Method	-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	
Sound	Sound Pressure	High / Mid / Low	dB(A)	37.0/27.0/19.0	37.0/27.0/19.0	38.0/28.0/19.0	41.0/32.0/25.0	43.0/34.0/26.0
	Sound Power	Cooling	dB(A)	54.0	54.0	56.0	58.0	62.0
Dimensions	Net Weight	kg	9.50	9.50	9.50	13.00	13.50	
	Shipping Weight	kg	11.30	11.30	11.30	16.00	16.50	
	Net Dimensions (W×H×D)	mm	826 x 261 x 261	826 x 261 x 261	826 x 261 x 261	1065 x 301 x 294	1065 x 301 x 294	
	Shipping Dimensions (W×H×D)	mm	886 x 317 x 335	886 x 317 x 335	886 x 317 x 335	1123 x 354 x 384	1123 x 354 x 384	
	Panel model	-	-	-	-	-	-	
Panel Size	Panel Net Weight	kg	-	-	-	-	-	
	Shipping Weight	kg	-	-	-	-	-	
	Net Dimensions (W×H×D)	mm	-	-	-	-	-	
	Shipping Dimensions (W×H×D)	mm	-	-	-	-	-	
	Drain pump	Drain pump	- / Model name	-	-	-	-	-
Additional Accessories	Max. lifting Height / Displacement	mm / liter/h	-	-	-	-	-	
	Air Filter	-	-	-	-	-	-	

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### Optional Accessories



### Standard Accessories



# FJM SPECIFICATION Indoor Units



## AR5000

- Entirely New Design for Powerful Performance
- Eliminates the virus twice by Filter and Virus Doctor
- Secure the easy Installation and pipe connection

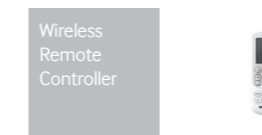
AR5000 Triangle - Standard 2				AR07KSWNAWKNEU	AR09KSWNAWKNET	AR12KSWNAWKNET	AR18KSWNAWKNEU	AR24KSWNAWKNEU
Model Code				1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Power Supply		Φ, #, V, Hz						
Mode		-		HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	2.00	2.50	3.50	5.00	6.80
			Btu/h	6,800	8,500	11,900	17,100	23,200
		Heating	kW	2.20	3.20	3.80	6.00	7.80
			Btu/h	7,500	10,900	13,000	20,500	26,600
Power	Power Input (Nominal)	Cooling	W	30.00	30.00	30.00	50.00	50.00
			Heating	30.00	30.00	30.00	50.00	50.00
	Current Input (Nominal)	Cooling	A	0.30	0.30	0.30	0.40	0.40
			Heating	0.30	0.30	0.30	0.40	0.40
Fan	Motor	Type	-	Cross flow Fan	Cross flow Fan	Cross flow Fan	Cross flow Fan	Cross flow Fan
		Output x n	W	27 x 1	27 x 1	27 x 1	27 x 1	27 x 1
	Air Flow Rate	H/M/L (UL)	CMM	10.00/-/-	11.00/-/-	12.00/-/-	19.00/-/-	21.00/-/-
			l/s	166.67/-/-	183.33/-/-	200.00/-/-	316.67/-/-	350.00/-/-
External Pressure	Min / Std / Max	mmAq	-	-	-	-	-	
		Pa	-	-	-	-	-	
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35	6.35	6.35	
		Φ, inch	1/4"	1/4"	1/4"	1/4"	1/4"	
	Gas Pipe	Φ, mm	9.52	9.52	9.52	12.70	15.88	
		Φ, inch	3/8"	3/8"	3/8"	1/2"	5/8"	
Drain Pipe	Φ, mm	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE		
Field Wiring	Power Source Wire	mm <sup>2</sup>	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	
	Transmission Cable	mm <sup>2</sup>	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A	
	Control Method	-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	
Sound	Sound Pressure	High / Mid / Low	dB(A)	37.0/27.0/19.0	37.0/27.0/19.0	38.0/28.0/19.0	41.0/32.0/25.0	43.0/34.0/26.0
		Cooling	dB(A)	54.0	54.0	56.0	58.0	62.0
Dimensions	Net Weight	kg	9.50	9.50	9.50	13.00	13.50	
	Shipping Weight	kg	11.30	11.30	11.30	16.00	16.50	
	Net Dimensions (W×H×D)	mm	826 x 261 x 261	826 x 261 x 261	826 x 261 x 261	1065 x 301 x 294	1065 x 301 x 294	
	Shipping Dimensions (W×H×D)	mm	886 x 317 x 335	886 x 317 x 335	886 x 317 x 335	1123 x 354 x 384	1123 x 354 x 384	
Panel Size	Panel model	-	-	-	-	-	-	
	Panel Net Weight	kg	-	-	-	-	-	
	Shipping Weight	kg	-	-	-	-	-	
	Net Dimensions (W×H×D)	mm	-	-	-	-	-	
Shipping Dimensions (W×H×D)	mm	-	-	-	-	-		
Additional Accessories	Drain pump	Drain pump	- / Model name	-	-	-	-	
		Max. lifting Height / Displacement	mm / liter/h	-	-	-	-	
Air Filter			-	-	-	-		

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### Optional Accessories



### Standard Accessories



# FJM SPECIFICATION Indoor Units



## Boracay

- Full HD Filter
- Smart Saver
- Turbo Cooling
- Good' Sleep
- Quiet Mode
- Virus Doctor

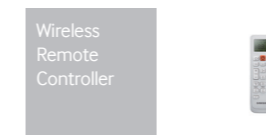
Boracay				AR07KSFHBWKNEU	AR09KSFHBWKNET	AR12KSFHBWKNET	AR18KSFHBWKNEU	AR24KSFHBWKNEU	
Power Supply	Φ, #, V, Hz			1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	
Mode				HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	
Performance	Capacity (Nominal)	Cooling	kW	2.00	2.50	3.50	5.00	6.80	
			Btu/h	6,800	8,500	11,900	17,100	23,200	
		Heating	kW	2.20	3.20	3.50	6.00	7.70	
			Btu/h	7,500	10,900	11,900	20,500	26,300	
Power	Power Input (Nominal)	Cooling	W	30.00	30.00	30.00	50.00	50.00	
			Heating	30.00	30.00	30.00	50.00	50.00	
	Current Input (Nominal)	Cooling	A	0.30	0.30	0.30	0.50	0.50	
			Heating	0.30	0.30	0.30	0.50	0.50	
Fan	Motor	Type	-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	
		Output x n	W	23 x 1	23 x 1	23 x 1	27 x 1	27 x 1	
	Air Flow Rate	H/M/L (UL)	CMM	8.00/-/-	9.00/-/-	10.00/-/-	15.50/-/-	16.50/-/-	
			l/s	133.33/-/-	150.00/-/-	166.67/-/-	258.33/-/-	275.00/-/-	
	External Pressure	Min / Std / Max	mmAq	-	-	-	-	-	
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35	6.35	6.35		
		Φ, inch	1/4"	1/4"	1/4"	1/4"	1/4"		
	Gas Pipe	Φ, mm	9.52	9.52	9.52	12.70	15.88		
		Φ, inch	3/8"	3/8"	3/8"	1/2"	5/8"		
Field Wiring	Drain Pipe	Φ, mm	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE		
	Power Source Wire	mm <sup>2</sup>	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5		
Refrigerant	Transmission Cable	mm <sup>2</sup>	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5		
	Type	-	R410A	R410A	R410A	R410A	R410A		
Sound	Control Method	-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED		
		Sound Pressure	High / Mid / Low	dB(A)	38.0/-/21.0	38.0/-/21.0	42.0/-/21.0	42.0/-/25.0	44.0/-/28.0
		Sound Power	Cooling	dB(A)	56.0	56.0	59.0	58.0	63.0
Dimensions	Net Weight	kg	8.20	8.20	8.20	11.50	11.50		
	Shipping Weight	kg	9.80	9.80	9.80	14.00	14.00		
	Net Dimensions (W×H×D)	mm	820 x 285 x 227	820 x 285 x 227	820 x 285 x 227	1065 x 298 x 243	1065 x 298 x 243		
	Shipping Dimensions (W×H×D)	mm	880 x 280 x 363	880 x 280 x 363	880 x 280 x 363	1128 x 299 x 378	1128 x 299 x 378		
	Panel model	-	-	-	-	-	-		
Panel Size	Panel Net Weight	kg	-	-	-	-	-		
	Shipping Weight	kg	-	-	-	-	-		
	Net Dimensions (W×H×D)	mm	-	-	-	-	-		
	Shipping Dimensions (W×H×D)	mm	-	-	-	-	-		
	Additional Accessories	Drain pump	Drain pump - / Model name	-	-	-	-	-	
	Max. lifting Height / Displacement	mm / liter/h	-	-	-	-	-		
	Air Filter	-	-	-	-	-	-		

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### Optional Accessories



### Standard Accessories



# FJM SPECIFICATION Indoor Units



## Maldives

- Full HD Filter
- Smart Saver
- Turbo Cooling
- Good' Sleep
- Quiet Mode
- Virus Doctor

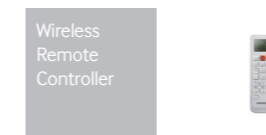
Maldives				AR07KSFPEWQNEU	AR09KSFPEWQNET	AR12KSFPEWQNET	AR18FSFPDGMNEU	AR24FSFPDGMNEU
Power Supply		Φ, #, V, Hz		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode				HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	2.00	2.50	3.50	5.00	6.80
			Btu/h	6,800	8,500	11,900	17,100	23,200
		Heating	kW	2.20	3.20	4.00	6.00	7.80
			Btu/h	7,500	10,900	13,600	20,500	26,600
Power	Power Input (Nominal)	Cooling	W	30.00	30.00	30.00	35.00	53.00
		Heating	W	30.00	30.00	30.00	35.00	53.00
	Current Input (Nominal)	Cooling	A	0.30	0.30	0.30	0.30	0.46
		Heating	A	0.30	0.30	0.30	0.30	0.46
Fan	Motor	Type		Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
		Output x n	W	27 x 1	27 x 1	27 x 1	27 x 1	27 x 1
	Air Flow Rate	H/M/L (UL)	CMM	8.00/-/-	9.00/-/-	10.00/-/-	14.20/12.30/11.20	17.80/14.30/10.60
			l/s	133.33/-/-	150.00/-/-	166.67/-/-	236.67/205.00/186.67	296.67/238.33/176.67
External Pressure	Min / Std / Max	mmAq		-	-	-	-	-
		Pa		-	-	-	-	-
Piping Connections	Liquid Pipe	Φ, mm		6.35	6.35	6.35	6.35	6.35
		Φ, inch		1/4"	1/4"	1/4"	1/4"	1/4"
	Gas Pipe	Φ, mm		9.52	9.52	9.52	12.70	15.88
		Φ, inch		3/8"	3/8"	3/8"	1/2"	5/8"
Drain Pipe	Φ, mm		ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	VP18 (OD 19JD 16)	VP18 (OD 19JD 16)	
	Power Source Wire	mm <sup>2</sup>		1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5
Field Wiring	Transmission Cable	mm <sup>2</sup>		0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5
		Type		R410A	R410A	R410A	R410A	R410A
Refrigerant	Control Method			EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
		Sound Pressure	High / Mid / Low	dB(A)	37.0/28.0/23.0	37.0/28.0/23.0	42.0/33.0/23.0	40.0/37.0/34.0
Sound	Sound Power	Cooling	dB(A)	56.0	56.0	59.0	57.0	62.0
		Net Weight	kg	8.20	8.20	8.20	13.00	13.00
Dimensions	Shipping Weight	kg		9.80	9.80	9.80	16.00	16.00
		Net Dimensions (W×H×D)	mm	820 x 285 x 215	820 x 285 x 215	820 x 285 x 215	1065 x 298 x 230	1065 x 298 x 230
	Shipping Dimensions (W×H×D)	mm	880 x 360 x 260	880 x 360 x 260	880 x 360 x 260	1137 x 377 x 299	1137 x 377 x 299	
		Panel model		-	-	-	-	-
Panel Size	Panel Net Weight	kg		-	-	-	-	-
		Shipping Weight	kg	-	-	-	-	-
	Net Dimensions (W×H×D)	mm		-	-	-	-	-
		Shipping Dimensions (W×H×D)	mm		-	-	-	-
Additional Accessories	Drain pump	Drain pump	- / Model name	-	-	-	-	-
		Max. lifting Height / Displacement	mm / liter/h	-	-	-	-	-
	Air Filter			-	-	-	-	-

\* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.  
 \* These products contain R410A which is fluorinated greenhouse gas.

### Optional Accessories



### Standard Accessories



# ERV SPECIFICATION \_Indoor Units

## ERV



- Energy Saving Operation (Auto Mode)
- Flexible Installation
- Silent Operation
- Supply/Exhaust Fan
- Heat Exchanger Element
- Temperature Sensor
- BLDC Fan Motor
- New Diamond Type Element
- Slim Design
- Virus Doctor (Optional)
- New Communication Protocol

ERV		AN026JSKLKN	AN035JSKLKN	AN050JSKLKN	AN080JSKLKN	AN100JSKLKN
Model Code						
Power Supply	Φ, #, V, Hz	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60
Mode	-	Temperature Exchange	Temperature Exchange	Temperature Exchange	Temperature Exchange	Temperature Exchange
Power Input	W	115.00	115.00	175.00	330.00	450.00
Current	A	0.70	0.70	1.10	2.10	2.90
Temperature Exchange	Cooling	%	70.00	70.00	70.00	70.00
	Heating	%	74.00	78.00	74.00	77.00
Effective Enthalpy Exchange Efficiency	Cooling	%	70.00	50.00	50.00	50.00
	Heating	%	-	-	-	-
Net Weight	kg	28.50	42.50	42.50	67.00	67.00
Gross Weight	kg	32.50	53.50	53.50	75.50	75.50
Net Dimensions (WxHxD)	mm	660 x 350 x 600	1012 x 270 x 1000	1012 x 270 x 1000	1220 x 340 x 1135	1220 x 340 x 1135
Gross Dimensions (WxHxD)	mm	816 x 420 x 769	1308 x 355 x 1192	1308 x 355 x 1192	1480 x 435 x 1330	1480 x 435 x 1330

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### Optional Accessories

#### Individual Controllers



MWR-WE10N MWR-VH12N

# EHS SPECIFICATION Outdoor Units



## Mono

- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

Mono				AE050JXYDEH/EU	AE090JXYDEH/EU	AE120JXYDEH/EU	AE140JXYDEH/EU	AE160JXYDEH/EU	AE090JXYDGH/EU	AE120JXYDGH/EU	AE140JXYDGH/EU	AE160JXYDGH/EU	
Mode	-			"Heat Pump (A2W Only)"		"Heat Pump (A2W Only)"		"Heat Pump (A2W Only)"		"Heat Pump (A2W Only)"		"Heat Pump (A2W Only)"	
Power Supply	Φ, #, V, Hz			1, 2, 220-240, 50		1, 2, 220-240, 50		1, 2, 220-240, 50		1, 2, 220-240, 50		3, 4, 380-415, 50	
Performance (A2W #1)	"Nominal Capacity" *1)	Heating (Min/Std/Max)	W	1,667 / 5,000 / 5,000	2,200 / 9,000 / 9,000	3,750 / 12,000 / 12,000	3,750 / 14,000 / 14,000	3,750 / 16,000 / 16,000	2,200 / 9,000 / 9,000	3,750 / 12,000 / 12,000	3,750 / 14,000 / 14,000	3,750 / 16,000 / 16,000	
		Cooling (Min/Std/Max)	W	1,625 / 5,000 / 5,000	1,750 / 7,500 / 7,500	3,300 / 12,000 / 12,000	3,300 / 13,000 / 13,000	3,300 / 14,000 / 14,000	1,750 / 7,000 / 7,000	3,300 / 12,000 / 12,000	3,300 / 13,000 / 13,000	3,300 / 14,000 / 14,000	
	"Nominal Power Input" *1)	Heating (Min/Std/Max)	W	348 / 1,060 / 1,060	490 / 2,140 / 2,140	809 / 2,660 / 2,660	809 / 3,140 / 3,140	809 / 3,800 / 3,800	490 / 2,140 / 2,140	809 / 2,660 / 2,660	809 / 3,140 / 3,140	809 / 3,800 / 3,800	
		Cooling (Min/Std/Max)	W	438 / 1,210 / 1,210	480 / 1,950 / 1,950	853 / 3,160 / 3,160	853 / 3,500 / 3,500	853 / 3,840 / 3,840	480 / 1,920 / 1,920	853 / 3,160 / 3,160	853 / 3,500 / 3,500	853 / 3,840 / 3,840	
	"Nominal Current Input" *1)	Heating (Min/Std/Max)	A	1.6 / 5.1 / 5.1	2.3 / 9.2 / 9.2	3.7 / 12.0 / 12.0	3.7 / 14.3 / 14.3	3.7 / 17.1 / 17.1	0.8 / 3.5 / 3.5	1.3 / 4.2 / 4.2	1.3 / 4.8 / 4.8	1.3 / 5.7 / 5.7	
		Cooling (Min/Std/Max)	A	2.0 / 5.7 / 5.7	2.2 / 9.0 / 9.0	3.9 / 14.3 / 14.3	3.9 / 15.7 / 15.7	3.9 / 17.3 / 17.3	0.8 / 3.2 / 3.2	1.3 / 5.2 / 5.2	1.3 / 5.3 / 5.3	1.3 / 5.8 / 5.8	
	COP(Heating) *1)	W/W	4.72	4.21	4.51	4.46	4.21	4.21	4.51	4.46	4.21	4.21	
	EER(Cooling) *1)	W/W	4.13	3.85	3.71	3.80	3.71	3.65	3.65	3.80	3.65	3.65	
SCOP(35°C) *2)	W/W	4.50	4.41	4.46	4.43	4.41	4.41	4.46	4.43	4.41	4.41		
ESEER *2)	W/W	5.29	5.07	4.98	4.97	4.92	4.69	4.98	4.97	4.92	4.92		
Performance (A2W, Low Temperature)	A2/W35	Heating Capacity	W	4,500	7,000	9,800	11,200	12,500	7,000	9,800	11,200	12,500	
		COP	W/W	3.46	3.00	3.32	3.26	3.10	3.00	3.32	3.26	3.10	
	A-7/W35	Heating Capacity	W	4,700	7,600	10,300	10,800	13,400	7,600	10,300	10,800	13,400	
Electric Specification	MCA	A	20.0	22.0	28.0	30.0	32.0	10.0	10.0	12.0	12.0		
	MFA	A	25.0	27.5	35.0	37.5	40.0	16.1	16.1	16.1	16.1		
Refrigerant Side	Compressor	Type	-	BLDC Twin Rotary	BLDC Twin Rotary	BLDC Twin Rotary	BLDC Twin Rotary	BLDC Twin Rotary	BLDC Twin Rotary	BLDC Twin Rotary	BLDC Twin Rotary	BLDC Twin Rotary	
	Oil	Type	-	POE	POE	PVE	PVE	PVE	PVE	PVE	PVE	PVE	
	A2/W35	Type	-	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	
	Factory Charging	g	1,150	1,400	2,600	2,600	2,600	1,500	2,600	2,600	2,600		
Base Heater	Capacity	W	-	150	150	150	150	150	150	150	150		
Sound	Sound Pressure	Heating	dB(A)	45	48	50	51	52	48	50	51	52	
		Cooling	dB(A)	45	48	50	52	54	48	50	52	54	
	Sound Power	dB(A)	61	63	64	65	66	63	64	65	66		
External Dimension	Weight	Net	kg	59	76	108	108	108	76	108	108	108	
		Gross	kg	63	84	118	118	118	84	118	118	118	
	"Dimensions (WxHxD)"	Net	mm	880 x 798 x 310	940 x 998 x 330	940 x 1,420 x 330	940 x 1,420 x 330	940 x 1,420 x 330	940 x 998 x 330	940 x 1,420 x 330	940 x 1,420 x 330	940 x 1,420 x 330	
Operating Temp. Range	"Ambient (A2W)"	Heating	°C	-25~35	-25~35	-25~35	-25~35	-25~35	-25~35	-25~35	-25~35	-25~35	
		Cooling	°C	10~46	10~46	10~46	10~46	10~46	10~46	10~46	10~46	10~46	
	Leaving Water	Heating	°C	25~55	25~55	25~55	25~55	25~55	25~55	25~55	25~55	25~55	
		Cooling	°C	5~25	5~25	5~25	5~25	5~25	5~25	5~25	5~25	5~25	

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\* If you wish to install an outdoor unit module with a capacity of over 66 HP, then please contact your local Samsung Dealer.

1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.

2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.

3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)

\* PDM kit: Pressure Drop Modulation kit.

5) MCA: Minimum Circuit Amps, MFA: Maximum Fuse Amps.

\* These products contain R410A which is fluorinated greenhouse gas.



# EHS SPECIFICATION \_Outdoor Units



## Split

- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

Split			AE040JXEDEH/EU	AE060JXEDEH/EU	AE090JXEDEH/EU	AE120JXEDEH/EU	AE140JXEDEH/EU	
Model Code			AE040JXEDEH/EU	AE060JXEDEH/EU	AE090JXEDEH/EU	AE120JXEDEH/EU	AE140JXEDEH/EU	
Mode			"Heat Pump (A2W Only)"	"Heat Pump (A2W Only)"	"Heat Pump (A2W Only)"	"Heat Pump (A2W Only)"	"Heat Pump (A2W Only)"	
Power Supply	Φ, #, V, Hz		1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	
Performance (A2W #1)	"Nominal Capacity **1)"	Heating (Min/Std/Max)	W	1,667/4,400/4,000	1,667/6,000/6,000	2,394/9,000/9,000	3,750/12,000/12,000	3,750/14,000/14,000
		Cooling (Min/Std/Max)	W	1,625/5,000/5,000	1,625/6,500/6,500	1,818/8,000/8,000	3,300/12,000/12,000	3,300/14,000/14,000
	"Nominal Power Input **1)"	Heating (Min/Std/Max)	W	348/860/860	348/1,250/1,250	535/2,010/2,010	809/2,590/2,590	809/3,150/3,150
		Cooling (Min/Std/Max)	W	438/1,260/1,260	438/1,750/1,750	500/2,200/2,200	853/3,100/3,100	853/3,800/3,800
	"Nominal Current Input **1)"	Heating (Min/Std/Max)	A	1.6/4.1/4.1	1.6/5.7/5.7	2.5/9.2/9.2	3.7/11.7/11.7	3.7/14.3/14.3
		Cooling (Min/Std/Max)	A	2.0/5.7/5.7	2.0/8.0/8.0	2.3/10.1/10.1	3.9/14.0/14.0	3.9/17.0/17.0
	COP(Heating) **1)	W/W	5.10	4.80	4.48	4.63	4.44	
	EER(Cooling) **1)	W/W	3.97	3.71	3.64	3.87	3.68	
SCOP(35°C) **2)	W/W	4.44	4.43	4.45	4.50	4.48		
ESEER **2)	W/W	5.37	5.35	4.79	4.93	4.91		
Performance (A2W, Low Temperature)	A2/W35	Heating Capacity	W	4,100	5,000	7,700	11,000	12,100
		COP	W/W	3.73	3.42	3.38	3.48	3.40
	A-7/W35	Heating Capacity	W	4,400	5,100	7,600	11,300	12,500
		COP	W/W	2.75	2.49	2.45	2.76	2.72
Electric Specification	MCA	A	20.0	20.0	22.0	28.0	30.0	
	MFA	A	25.0	25.0	27.5	35.0	37.5	
Refrigerant Side	Compressor	Type	-	BLDC Twin Rotary	BLDC Twin Rotary	BLDC Twin Rotary	BLDC Twin Rotary	
	Oil	Type	-	POE	POE	POE	PVE	
	Refrigerant	Type	-	R410A	R410A	R410A	R410A	
	Factory Charging	g	1,400	1,400	1,700	2,980	2,980	
	"Piping Connections"	Liquid	Φ, mm(1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)
		Gas	Φ, mm(1/4)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	
	"Installation Limitation"	Length	m	30	30	50	50	
Base Heater	Capacity	W	-	-	150	150	150	
	Sound Pressure **3)	Heating	dB(A)	46	47	49	50	
Sound		Cooling	dB(A)	46	47	50	52	
	Sound Power	dB(A)	61	61	64	64	64	
	Weight	Net	kg	48.5	48.5	68	100	100
Gross		kg	51.5	51.5	78	109.5	109.5	
External Dimension	"Dimensions (WxHxD)"	Net	mm	880 x 638 x 310	880 x 638 x 310	940 x 998 x 330	940 x 1420 x 330	
	Gross	mm	1,023 x 725 x 413	1,023 x 725 x 413	995 x 1178 x 426	995 x 1598 x 426	995 x 1598 x 426	
Operating Temp. Range	"Ambient (A2W)"	Heating	°C	-25~35	-25~35	-25~35	-25~35	
		Cooling	°C	10~46	10~46	10~46	10~46	
		DHW	°C	-25~43	-25~43	-25~43	-25~43	
	Leaving Water	Heating	°C	25~55	25~55	25~55	25~55	
		Cooling	°C	5~25	5~25	5~25	5~25	

\* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.

\*\* If you wish to install an outdoor unit module with a capacity of over 66 HP, then please contact your local Samsung Dealer.

1) Nominal cooling capacities are based on: Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

2) Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)

\* PDM kit : Pressure Drop Modulation kit.

5) MCA : Minimum Circuit Amps., MFA : Maximum Fuse Amps.

\* These products contain R410A which is fluorinated greenhouse gas.

# EHS SPECIFICATION \_Outdoor Units



## Split Hydro Unit

- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

Split Hydro Unit				AE090JNYDEH/EU	AE160JNYDEH/EU	AE090JNYDGH/EU	AE160JNYDGH/EU
Power Supply	Φ, #, V, Hz		E220~240V, 50Hz, 1Φ	E220~240V, 50Hz, 1Φ	380~4150V, 50Hz, 3Φ	380~4150V, 50Hz, 3Φ	
Water Pump	Type (Model Name)	-	Inverter Pump	Inverter Pump	Inverter Pump	Inverter Pump	
Flow Switch	Type (Model Name)	-	Magnetic, Decreasing	Magnetic, Decreasing	Magnetic, Decreasing	Magnetic, Decreasing	
	Min. flow rates	LPM	7 ± 1.5	12 ± 1.5	7 ± 1.5	12 ± 1.5	
Electric Heater		W	4,000	6,000	6,000	6,000	
Service Valve	Φ, inch		BSPPP male 1 1/4"	BSPPP male 1 1/4"	BSPPP male 1 1/4"	BSPPP male 1 1/4"	
Sound**1)	Sound	Heating Std	dB(A)	26	33	26	33
	Pressure	Cooling Std	dB(A)	26	33	26	33
	Sound Power	Heating Std	dB(A)	40	47	40	47
External Dimension	Net Weight	kg	45.0	45.0	46.5	46.5	
	Net Dimensions (WxHxD)	mm	510 x 850 x 315	510 x 850 x 315	510 x 850 x 315	510 x 850 x 315	

\* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.  
 \* If you wish to install an outdoor unit module with a capacity of over 6.6 HP, then please contact your local Samsung Dealer.  
 1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.  
 2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.  
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.  
 4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)  
 \* PDM kit: Pressure Drop Modulation kit.  
 5) MCA: Minimum Circuit Amps., MFA: Maximum Fuse Amps.  
 \* These products contain R410A which is fluorinated greenhouse gas.

# EHS SPECIFICATION \_Outdoor Units



## Hydro Unit (TDM)

- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation

Hydro Unit				NH080PHXEA	NH160PHXEA
Model Code					
Power Supply		Φ, #, V, Hz		1, 2, 220-240, 50	1, 2, 220-240, 50
Performance	Capacity (Nominal)	Heating	W	5,990 / 6,980 / 7,970	11,000 / 13,900 / 15,900
		Cooling	W	7,020 / 7,530 / 8,030	11,300 / 14,300 / 15,600
	Leaving Water Temp. Range	Heating	°C	15~55 (H/P: 25~55)	15~55 (H/P: 25~55)
		Cooling	°C	5~25	5~25
Refrigerant Side	Piping	Liquid	Φ, mm	9.52 (3/8)	9.52 (3/8)
	Connections	Gas	Φ, mm	15.88 (5/8)	15.88 (5/8)
Hydro Unit Parts	Water Pump	Flow Rate	kg/min	17.0 / 20.5 / 23.0	31.5 / 40.1 / 45.9
	Electric Heater	Input Power	W	4,000	6,000
	Expansion Vessel		Liter	8	8
	Pressure Relief Valve	Relief Pressure	bar	2.9	2.9
	Air Purge Valve	Size	Φ, inch	3/8" (BSPP male)	3/8" (BSPP male)
	Service Valve	Size	Φ, inch	1 1/4" (BSPP male)	1 1/4" (BSPP male)
External Dimension	Weight	Net	kg	45	48
		Gross	kg	55	58
	Dimensions (WxHxD)	Net	mm	510 x 850 x 315	510 x 850 x 315
		Gross	mm	564 x 1,024 x 412	564 x 1,024 x 412

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 \* If you wish to install an outdoor unit module with a capacity of over 66 HP, then please contact your local Samsung Dealer.  
 1) Nominal cooling capacities are based on: Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Equivalent refrigerant piping : 7.5m, Level differences : 0m.  
 2) Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m.  
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.  
 4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)  
 \* PDM kit : Pressure Drop Modulation kit.  
 5) MCA : Minimum Circuit Amps., MFA : Maximum Fuse Amps.  
 \* These products contain R410A which is fluorinated greenhouse gas.

# EHS SPECIFICATION \_Outdoor Units



## TDM

- High Efficiency
- Smart Management
- Flexible Installation
- Wide Compatibility
- Integrated Solution for Heating and Cooling

TDM				RD060PHXEA	RD070PHXEA	RD080PHXEA	RD110PHXEA	RD140PHXEA	RD160PHXEB
Model Code									
Mode				"Heat Pump (A2A/A2W Multi)"	"Heat Pump (A2A/A2W Multi)"	"Heat Pump (A2A/A2W Multi)"	"Heat Pump (A2A/A2W Multi)"	"Heat Pump (A2A/A2W Multi)"	"Heat Pump (A2A/A2W Multi)"
Power Supply	Φ, #, V, Hz			1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50
Performance (A2W #1)	"Nominal Capacity" *1)	Heating (Min/Std/Max)	W	2,140 / 5,990 / 5,990	2,050 / 6,980 / 6,980	2,060 / 7,970 / 7,970	3,590 / 11,000 / 11,000	3,590 / 13,900 / 13,900	3,670 / 15,900 / 15,900
		Cooling (Min/Std/Max)	W	2,110 / 7,020 / 8,290	2,090 / 7,530 / 8,990	2,040 / 8,030 / 9,450	3,770 / 11,300 / 13,560	3,830 / 14,300 / 17,040	3,770 / 15,600 / 18,600
	"Nominal Power Input" *1)	Heating (Min/Std/Max)	W	490 / 1,360 / 1,360	480 / 1,640 / 1,640	510 / 1,970 / 1,970	780 / 2,390 / 2,390	840 / 3,260 / 3,260	910 / 3,930 / 3,930
		Cooling (Min/Std/Max)	W	600 / 1,990 / 2,620	620 / 2,240 / 3,230	650 / 2,570 / 3,830	950 / 2,850 / 3,480	1,050 / 3,920 / 4,730	1,120 / 4,630 / 5,640
	"Nominal Current Input" *1)	Heating (Min/Std/Max)	A	2.2 / 6.0 / 6.0	2.2 / 7.5 / 7.5	2.3 / 8.7 / 8.7	3.5 / 10.6 / 10.6	3.7 / 14.5 / 14.5	4.0 / 17.4 / 17.4
		Cooling (Min/Std/Max)	A	2.7 / 8.8 / 11.6	2.8 / 10.3 / 14.8	2.9 / 11.4 / 17.0	4.2 / 12.6 / 15.4	4.7 / 17.4 / 21.0	5.0 / 20.5 / 25.0
	COP(Heating) *1)	W/W		4.40	4.26	4.05	4.61	4.26	4.05
EER(Cooling) *1)	W/W		3.53	3.36	3.12	3.97	3.65	3.37	
SCOP(35°C) *2)	W/W		4.05	4.03	4.00	3.99	3.95	3.84	
ESEER *2)	W/W		3.60	4.00	4.20	4.90	4.22	4.29	
Performance (A2W, Low Temperature)	A2/W35	Heating Capacity	W	5,330	6,400	6,700	9,920	12,620	14,430
		COP	W/W	4.16	4.03	3.44	4.28	4.10	3.86
	A-7/W35	Heating Capacity	W	7,050	7,960	9,220	10,620	13,310	13,730
		COP	W/W	2.72	2.47	2.47	2.57	2.57	2.45
Performance (A2A)	Nominal Capacity	Cooling	W	3,000~6,000	3,500~7,000	4,000~8,000	6,000~11,000	6,400~14,000	6,400~14,000
	Allowable No. of Indoor Units	EA		10,200~20,500	11,900~23,900	13,600~27,300	20,500~37,500	21,800~47,800	21,800~47,800
	COP(Heating) *3)	W/W		Max 3	Max 3	Max 3	Max 4	Max 4	Max 4
	EER(Cooling) *3)	W/W		4.04	4.04	4.04	3.94	3.94	3.94
	MCA	A		3.21	3.21	3.21	3.46	3.46	3.46
Electric Specification	MFA	A		13.5	16.0	18.0	25.0	28.0	30.0
	MFA	A		16.9	20.0	22.5	31.3	35.0	37.5
Refrigerant Side	Compressor	Type	-	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter
	Oil	Type	-	POE	POE	POE	POE	POE	POE
	Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A	R410A
		Factory Charging	g	2,200	2,200	2,200	3,300	3,300	3,300
	"Piping Connections"	Liquid	Φ, mm(inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
		Gas	Φ, mm(inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	"Installation Limitation"	Length	m	30	30	30	70	70	70
Sound	Sound Pressure *3)	Heating	dB(A)	48	48	49	49	51	53
		Cooling	dB(A)	48	48	50	50	52	54
	Sound Power		dB(A)	60	61	64	64	66	68
			dB(A)	71	71	71	108	108	108
External Dimension	Weight	Net	kg	71	71	71	108	108	108
		Gross	kg	79	79	79	116	116	116
	"Dimensions (WxHxD)"	Net	mm	880 x 798 x 310	880 x 798 x 310	880 x 798 x 310	932 x 1,128 x 375	932 x 1,128 x 375	932 x 1,128 x 375
Gross		mm	1,023 x 891 x 413	1,023 x 891 x 413	1,023 x 891 x 413	1,091 x 1,286 x 472	1,091 x 1,286 x 472	1,091 x 1,286 x 472	
Operating Temp. Range	"Ambient (A2W)"	Heating	°C	-20~35	-20~35	-20~35	-20~35	-20~35	-20~35
		Cooling	°C	10~46	10~46	10~46	10~46	10~46	10~46
	Leaving Water	DH-W	°C	-20~43	-20~43	-20~43	-20~43	-20~43	-20~43
		Heating	°C	-20~24	-20~24	-20~24	-20~24	-20~24	-20~24
	Leaving Water	Heating	°C	10~43	10~43	10~43	10~43	10~43	10~43
		Heating	°C	25~55	25~55	25~55	25~55	25~55	25~55
			5~25	5~25	5~25	5~25	5~25	5~25	

\* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.  
 \* If you wish to install an outdoor unit module with a capacity of over 66 HP, then please contact your local Samsung Dealer.  
 1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.  
 2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.  
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.  
 4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)  
 \* PDM kit: Pressure Drop Modulation Kit.  
 5) MCA: Minimum Circuit Amps, MFA: Maximum Fuse Amps.  
 \* These products contain R410A which is fluorinated greenhouse gas.

# EHS SPECIFICATION \_Indoor Units



## Neo Forte (TDM)

- Clean-cut Front Panel
- Silver Accent Line
- Bottom Opening Front Panel

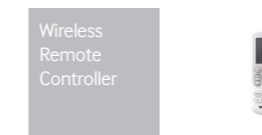
Neo Forte				NH028NHXEA	NH036NHXEA	NH056NHXEA	NH071NHXEA
Model Code							
Power Supply		Φ, #, V, Hz		1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50
Mode			-	HP	HP	HP	HP
Performance	Capacity (Nominal)	Cooling	kW	2,800	3,600	5,600	6,800
			Btu/h	9,600	12,300	19,100	23,200
		Heating	kW	3,200	4,000	6,300	7,000
			Btu/h	10,900	13,600	21,500	23,900
Power	Input	W	25	30	45	50	
	Running Current	A	0.18	0.18	0.27	0.30	
Sound	Sound Pressure	High / Low	dB(A)	32 / 23	36 / 23	40 / 30	41 / 30
Fan	Type		-	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
Airflow Rate	Cooling	High	CMM	7.8	9.3	12.0	14.0
	Heating	High	CMM	8.2	9.5	13.0	15.0
Refrigerant Side	Piping Connections	Type		R410A	R410A	R410A	R410A
		Liquid	Φ, mm (Inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)
		Gas	Φ, mm (Inch)	12.70 (1/2)	12.70 (1/2)	12.70 (1/2)	15.88 (5/8)
		Drain	Φ, mm	ID 18 hose	ID 18 hose	ID 18 hose	ID 18 hose
Dimensions (W x H x D)		Net	kg	7.8	7.8	13.0	13.0
		Gross	kg	9.4	9.4	16.0	16.0
		Net	mm	825 x 285 x 189	825 x 285 x 189	1,065 x 298 x 218	1,065 x 298 x 218
		Gross	mm	900 x 349 x 252	900 x 349 x 252	1,137 x 377 x 299	1,137 x 377 x 299

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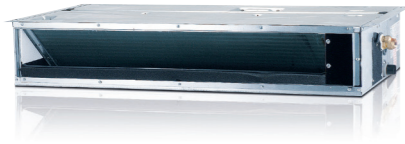
### Optional Accessories



### Standard Accessories



## Duct (TDM)



- Flexible Installation
- Easier Drain Pump Installation
- Slim Design
- Easy to Maintain

Duct				NH022LHXEA	NH028LHXEA	NH036LHXEA	NH045LHXEA	NH056LHXEA
Model Code								
Power Supply		Φ, #, V, Hz		1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Mode				HP	HP	HP	HP	HP
Performance	Capacity (Nominal)	Cooling	kW	2,200	2,800	3,600	4,500	5,600
			Btu/h	7,500	9,600	12,300	15,400	19,100
		Heating	kW	2,500	3,200	4,000	5,000	6,300
			Btu/h	8,500	10,900	13,600	17,100	21,500
Power	Input	W	80	80	80	90	100	
	Running Current	A	0.40	0.40	0.40	0.60	0.60	
Sound	Sound Pressure	High / Low	dB(A)	31 / 26	32 / 27	32 / 27	33 / 30	33 / 30
Fan	Type			Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
Airflow Rate	Cooling	High	CMM	8.0	9.0	10.0	14.0	15.0
	Heating	High	CMM	9.0	10.0	12.0	16.5	18.0
Refrigerant Side	Piping Connections	Type		R410A	R410A	R410A	R410A	R410A
		Liquid	Φ, mm (Inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)
		Gas	Φ, mm (Inch)	12.70 (1/2)	12.70 (1/2)	12.70 (1/2)	12.70 (1/2)	15.88 (5/8)
		Drain	Φ, mm	VP25(OD32,ID25)	VP25(OD32,ID25)	VP25(OD32,ID25)	VP25(OD32,ID25)	VP25(OD32,ID25)
Dimensions (W x H x D)		Net	kg	26.0	26.0	26.0	31.0	31.0
		Gross	kg	31.0	31.0	31.0	39.0	39.0
		Net	mm	900 x 199 x 600	900 x 199 x 600	900 x 199 x 600	1,100 x 199 x 600	1,100 x 199 x 600
		Gross	mm	1,133 x 333 x 730	1,133 x 333 x 730	1,133 x 333 x 730	1,330 x 330 x 730	1,330 x 330 x 730

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### Optional Accessories



























# Control System














CLASSIFICATION	PRODUCT	IMAGE	MODEL		APPLICATION		
			DVM S, Single (New Communication Protocol)	Single, FJM			
Integrated Management System	Controller	DMS 2		MIM-D00AN	MIM-D00A		
		DMS 2.5		MIM-D01AN	MIM-D01AN		
		S-NET 3		MST-P3P	MST-P3P		
	Interface Module	PIM		MIM-B16N	MIM-B16		
System Controller	Centralized Control System	Controller	Touch Centralized Controller		MCM-A300N	-	DVM Chiller Included
		On/Off Controller		MCM-A202DN	MCM-A202D		
		Multi Tenant Function Controller (MTFC)		MCM-C210N	-		
		Operation Mode Selection Switch		MCM-C200	-	DVM S Series (Except HR Models)	
	Interface Module	FCU Kit		MIM-F00N	-	DVM Chiller	
		HUB PBA		MIM-F10N	-	DVM Chiller	
		RAC Extension Board		-	MIM-A00	FJM (For connecting wired remote controller and external contact interface module)	
		Centralized Control Interface Module		MIM-N10	-	ERV (New Communication Protocol)	
Compatible interface Module		MIM-N01	MIM-N01	Converter between old & new protocol			

CLASSIFICATION	PRODUCT	IMAGE	MODEL		APPLICATION		
			DVM S, Single (New Communication Protocol)	Single, FJM			
System Controller	Individual Control System	Controller	Zone Control Package (Zone Controller & Relay)		MWR-ZS00N	MWR-ZS00	
			Zone Controller		MWR-ZS10N	MWR-ZS10	
			Wired Remote Controller		MWR-WE10N	MWR-WE10	
					MWR-W00N	-	DVM S Hydro Unit
			Wired Remote Controller		-	MWR-WH00 MWR-WH02	Connect wire : 10m Connect wire : 3m
			Simplified wired Remote Controller		-	-	
			Simplified wired Remote Controller		MWR-SH00N	MWR-SH00	
			Simplified wired Remote Controller		MWR-VH12N	MWR-VH02	ERV
			Wireless Remote Controller (H/P)		MR-EH00	MR-EH00	
			Wireless Remote Controller (Nordic)		-	MR-EH01	CAC Nordic Only
			Wireless Remote Controller		AR-KE00E	AR-KE00E	For 360 Cassette
			Wireless Signal Receiver package (With Receiver wire)		MRK-A10N	MRK-A10N	DVM S Series (for Ducted indoor unit) Single Duct S
			Wireless Signal Receiver		-	MRK-A00	
			Wireless Signal Receiver Wire		-	MRW-10A	
			External Room Sensor		MRW-TA	MRW-TA	
			External Room Sensor		MRW-TS	MRW-TS	Global Duct (For Zone Controller)
			Single Wi-Fi Kit		-	MIM-H02	Single Inverter Cassette & Duct
Multi Wi-Fi Kit		MIM-H03N	MIM-H03	Max. 16 unit			
Building Management System	Building Management Module	Guestroom Management Module	ZenManager		MST-R5D	MST-R5D	
			LonWorks Gateway		MIM-B18N	MIM-B18	
			LonWorks Gateway (New)		MIM-B18BN	MIM-B18BN	DVM Chiller Included
			BACnet Gateway		MIM-B17N	MIM-B17	
			BACnet Gateway (New)		MIM-B17BN	MIM-B17BN	DVM Chiller Included
			LonWorks Gateway Interface		-	MIM-B07	
			External Contact Interface Module		MIM-B14	MIM-B14	
			Key-Tag Interface Module		-	MIM-B02	
Converter Motion Detect Sensor			Converter Unit (S-Net Pro)		MIM-C02N	MIM-C02N	
			S-Checker		MIM-C10N	-	

# Accessories

CLASSIFICATION	IMAGE	MODEL		APPLICATION
		DVM S, Single (New Communication Protocol)	Single, FJM	
Drain Pump		MDP-E075SEE3D	MDP-E075SEE3	Slim Duct(2.0~14.0 kW)
		MDP-M075SGU1D	MDP-M075SGU1	M.S.P Duct(9.0/11.2 kW)
		MDP-M075SGU2D	MDP-M075SGU2	M.S.P Duct(12.8/14.0 kW) H.S.P Duct(11.2/12.8/14.0 kW)
		MDP-M075SGU3D	MDP-M075SGU3	M.S.P Duct(5.6/7.1 kW)
		MDP-N047SNC0D	-	O.A.P Duct (14.0 kW)
		MDP-N047SNC1D	MDP-N047SNC1	H.S.P Duct(22.4/28.0 kW) Fresh Air Intake Duct (22.4/28.0 kW)
		MDP-G075SP	MDP-G075SP	Duct S (External Type)
	MDP-G075SQ	-	Duct S (Internal Type)	
PDM Kits (High Elevation Kits)		MXD-A38K2A	-	8~12 HP
		MXD-A12K2A	-	14~16 HP
		MXD-A58K2A	-	18~22 HP
AHU Kits		MXD-K025AN	-	7.0~8.75 kW AHU
		MXD-K050AN	-	14.0~17.5 kW AHU
		MXD-K075AN	-	21.0~26.25 kW AHU
		MXD-K100AN	-	28.0~35.0 kW AHU
		MXD-A64K100E	-	AHU EEV Kit (10HP)
	MCM-D201N	-	Control Kit (PBA, 10HP~40HP)	
4 Way Cassette Front Panel		PC4NUDMAN	PC4NUDMAN	NASA, Square
		PC4NBDMAN	PC4NBDMAN	NASA, Square - Black
		PC4NUNMAN	PC4NUNMAN	NASA, Circle (Exposed installation)
		PC4NBNMAN	PC4NBNMAN	NASA, Circle (Exposed installation) - Black
4 Way Cassette Front Panel		PC4NUSKAN	PC4NUSKA (Korea) PC4NUSMA (China)	4Way Cassette S - Waffle
		PC4NUSKEN	PC4NUSKE (Korea) PC4NUSME (China)	4Way Cassette S - Classic
		PC4NBSKAN	PC4NBSKA	4Way Cassette S - Black
4 Way Cassette (600x600) Front Panel		PC4SUSMAN	PC4SUSMB	4Way Cassette S (600x600) -Waffle
		PC4SUSMEN	PC4SUSMF	4Way Cassette S (600x600) -Classic
1 Way Cassette Front Panel		PC1MWSKAN	-	1Way Cassette (New Air Fluid Design) (1.7~2.2kW)
		PC1NWSMAN	-	1Way Cassette (New Air Fluid Design) (2.2~3.6kW)
		PC1BWSMAN	-	1Way Cassette (New Air Fluid Design) (5.6~7.1kW)
		PC1NUSMAN	PSSMA	"Slim 1Way Cassette (2.2~3.6kW)"
		PC1BWSEAN	-	"Slim 1Way Cassette (5.6~7.1kW)"
		PC1NUPMAN	PC1NUPMA	"Slim 1Way Cassette Z-Sliding (2.2~3.6kW)"
		PC1BWPEAN	-	"Slim 1Way Cassette Z-Sliding (5.6~7.1kW)"
2 Way Cassette Front Panel		PC2NUSMEN	-	2Way Cassette
Virus Doctor		MSD-CAN1	MSD-CAN1	"4Way Cassette S 4Way Cassette S (600x600)"
		MSD-EAN1	MSD-EAN1	ERV, Global Duct
Motion Detect. Sensor		MCR-SMA	MCR-SMA	4Way Cassette S (600x600)

Classification	Image	Model	Description	APPLICATION
Y-joint		MXJ-YA1509M	15.0kW and below	DVM S
		MXJ-YA2512M	Over 15.0 ~ 40.6kW and below	
		MXJ-YA2812M	Over 40.6 ~ 46.4 kW and below	
		MXJ-YA2815M	Over 46.4 ~ 69.6 kW and below	
		MXJ-YA3419M	Over 69.6 ~ 98.6 kW and below	
		MXJ-YA4119M	Over 98.6 ~ 139.2 kW and below	
		MXJ-YA4422M	Over 139.2 kW	
Y-joint (High Pressure Gas) for HR module		MXJ-YA1500M	23.2 kW and below	DVM S HR
		MXJ-YA2500M	Over 23.2 ~ 69.6 kW and below	
		MXJ-YA3100M	Over 69.6 ~ 139.2 kW and below	
		MXJ-YA3800M	Over 139.2 kW	
Outdoor Joint (Outdoor Connection)		MXJ-TA3819M MXJ-TA3419M	Below 48 HP	DVM S
		MXJ-TA4422M MXJ-TA4122M	Over 48 HP	
Outdoor Joint (High Pressure Gas) for HR Module		MXJ-TA3100M	Below 48 HP	DVM S HR
		MXJ-TA3800M	Over 48 HP	
DPM Y-joint		MXJ-2D2509K	2-indoor unit connection	CAC Inverter(4way, 4way 600x600)
		MXJ-3D2509K	3-indoor unit connection	
		MXJ-4D2509K	4-indoor unit connection	
Header Joint		MXJ-HA3819M	Over 69.7 kW	DVM S
		MXJ-HA3115M	Below 69.6 kW	
		MXJ-HA2512M	Below 46.4 kW	
MCU Kits		MCU-S2NEK1N	Below 2 indoor units	DVM S HR
		MCU-S4NEE1N	Below 4 indoor units	
		MCU-S4NEE2N	Below 4 indoor units For including the indoor unit of capacity range 11.2 ~ 28.0kW	
		MCU-S6NEE1N	Below 6 indoor units	
EEV Kits		MXD-E24K132A	Below 3.6 kW (1 Room) + 5.6 kW ~ 9.0 kW (1Room)	DVM S
		MXD-E24K200A	Below 3.6 kW (2 Rooms)	
		MXD-E32K200A	5.6 kW ~ 9.0 kW (2Rooms)	
		MXD-E24K232A	Below 3.6 kW (2 Rooms) + 5.6 kW ~ 9.0 kW (1Room)	DVM S
		MXD-E24K300A	Below 3.6 kW (3 Rooms)	
		MXD-E32K224A	Below 3.6 kW (1 Room) + 5.6 kW ~ 9.0 kW (2Rooms)	
		MXD-E32K300A	5.6 kW ~ 9.0 kW (3Rooms)	
Anti-Corrosion Spray		MEV-E24SA	Below 3.6 kW (1 Room)	DVM S
		MEV-E32SA	5.6 kW ~ 9.0 kW (1Room)	
Anti-Corrosion Spray		MOK-220SA	R-Pro	