



**VRF** System

**FJM** System



**CAC** System

ERV System



Eco Heating System

Control System


# DVMS Lineup - Outdoor Units

DVM S HP / HR			SINGLE																							
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	
	AM080FXVAGH	8 HP	1																							
	AM100FXVAGH	10 HP		1																						
	AM120FXVAGH	12 HP			1							2	1	1	1	1	1						2	1	1	1
	AM140FXVAGH	14 HP				1						1				1							1			
	AM160FXVAGH	16 HP					1						1				1							1		
	AM180FXVAGH	18 HP						1						1											1	
	AM200FXVAGH	20 HP								1					1				2	1						
	AM220FXVAGH	22 HP									1						1	1	1		1	2	1	1	1	1

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










DVM S HP / HR			MODULE															
IMAGE	MODEL	CAPACITY	54	56	58	60	62	64	66	68	70	72	74	76	78	80		
	AM080FXVAGH	8 HP																
	AM100FXVAGH	10 HP																
	AM120FXVAGH	12 HP	1	1						2		1	1	1	1	1		
	AM140FXVAGH	14 HP			1						1					1		
	AM160FXVAGH	16 HP				1						1						
	AM180FXVAGH	18 HP											1					
	AM200FXVAGH	20 HP	1				2	1						1				
	AM220FXVAGH	22 HP	1	2	2	2	1	2	3	2		2	2	2	2	3	3	

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DVM S Mini				
IMAGE	PHASE	CAPACITY		
		4HP	5HP	6HP
	1 Phase	●	●	●
	3 Phase	●	●	●

# DVMS Lineup & Feature - Indoor Units


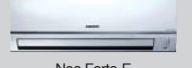


## Cassette

MODEL					
CAPACITY (kW)	2.2		•	•	
	2.8		•	•	
	3.6		•	•	
	4.5	•	•	•	
	5.6	•	•	•	•
	6.0		•		
	7.1		•		•
	9.0	•			
	11.2	•			
	12.8	•			
14.0	•				
FEATURES	 Powerful Airflow	•	•	•	
	 Ceiling Dust Prevention	•	•	•	
	 Fresh Air Intake	•	•		
	 High Lift-up Drain Pump	•	•	•	•
	 Sub Duct	•	•		








## Duct

MODEL				
CAPACITY	1.7			•
	2.2			•
	2.8		•	•
	3.6		•	•
	4.5		•	•
	5.6		•	•
	7.1		•	•
	9.0		•	•
	11.2	•	•	•
	12.8	•	•	•
	14.0	•	•	•
	22.0	•		
28.0	•			
FEATURES	 Pre Filter	•	•	•
	 Easy Filter Cleaning	•	•	•
	 High Lift-up Drain Pump	•	•	•
	 Smart Pressure Control	•	•	•


## Wall-mounted

MODEL			
CAPACITY	2.2	•	•
	2.8	•	•
	3.6	•	•
	4.5		•
	5.6	•	•
	7.1	•	•
FEATURES	 Deodorizing Filter	•	•
	 good sleep	•	•

## Console & Ceiling



MODEL			
CAPACITY	2.8	•	
	3.6	•	
	5.6	•	•
	7.1		•
FEATURES	 Virus Doctor	•	
	 Interior Design	•	•
	 Anti-virus Filter	•	•
	 Lightweight Unit	•	•
	 Flexible Pipe Installation	•	•

## Concealed Floor Standing


MODEL		
CAPACITY	3.6	•
	5.6	•
	7.1	•



## DVMS Lineup - ERV Plus

Model	Air Volume (m³/hr)	500	1000
ERV PLUS			

## DVMS Feature - ERV Plus

	 ERV PLUS
Damper	•
Direct Expansion (DX) Coil	•
Humidifier element (Optional)	•
Supply/Exhaust Fan	•
Dust Filter	•
Heat Exchanger Element	•
Control Box	•
Temperature Sensor	•
CO <sub>2</sub> Sensor (Optional)	•
BLDC Fan Motor	•
Energy Saving Operation (Auto Mode)	•
New Diamond Type Element	•
Flexible Installation	•
Slim Design	•
Silent Operation	•
S-Plasma ion (Optional)	•



# DVMS Specification - Outdoor Units



## DVMS

DIGITAL VARIABLE MULTI

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

### DVMS HP / HR

Model Name		DVMS HP	AM080FXVAGH	AM100FXVAGH	AM120FXVAGH	AM140FXVAGH	AM160FXVAGH	AM180FXVAGH
Power Supply		DVMS HR	AM080FXVAGR	AM100FXVAGR	AM120FXVAGR	AM140FXVAGR	AM160FXVAGR	AM180FXVAGR
Mode		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
Performance		HP / HR	HP / HR	HP / HR	HP / HR	HP / HR	HEAT PUMP	HEAT PUMP
Performance	Capacity (Nominal)	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
	Cooling	Btu/h	76,400	95,500	114,600	136,500	153,500	172,000
		kW	25.20	31.50	37.80	45.00	50.00	56.70
Heating	Btu/h	86,000	107,500	129,000	153,500	170,600	193,500	
	kW	5.00	6.80	8.40	8.90	11.00	12.88	
Power	Power Input (Nominal)	Cooling 1)	5.10	6.70	8.70	9.50	11.50	11.90
		Heating 2)	8.00	10.90	13.50	14.30	17.60	20.70
	Current Input (Nominal)	Cooling 1)	8.20	10.70	14.00	15.20	18.40	19.10
		Heating 2)	MCA	22.50 (MCA)	29.90 (MCA)	31.30 (MCA)	31.30 (MCA)	40.00 (MCA)
MFA	A	30.00	40.00	40.00	40.00	40.00	50.00	
COP	Nominal Cooling	-	4.48	4.12	4.00	4.49	4.09	3.91
	Nominal Heating	-	4.94	4.70	4.34	4.74	4.35	4.76
	ESEER (HP)	-	7.85	7.25	7.03	7.02	6.78	6.59
Compressor	Type	-	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 2	SSC Scroll x 2
	Output	kW x n	(4.96)	(6.13)	(6.13)	(6.13)	(4.96x2)	(6.13x2)
	Model Name	-	DS-GB052FAVASG x 1	DS-GB066FAVASG x 1	DS-GB066FAVASG x 1	DS-GB066FAVASG x 1	DS-GB052FAVASG x 2	DS-GB066FAVASG x 2
Oil	Type	-	PVE	PVE	PVE	PVE	PVE	PVE
	Initial Charge	cc	2300	2300	2300	2300	4600	4600
Fan	Type	-	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
	Output x n	W	400 x 1	400 x 1	400 x 1	620 x 2	620 x 2	620 x 2
	Air Flow Rate	CMM	145	145	190	260	260	270
	External Static Pressure	Max.	mmAq	2,416.67	2,416.67	3,166.67	4,333.33	4,333.33
Pa		8.00	78.45	78.45	78.45	78.45	78.45	78.45
Piping Connections	Liquid Pipe	Φ, mm	9.52	12.70	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 (HR)	Φ, mm	15.88	19.05	19.05	22.22	22.22	22.22
		Φ, inch	5/8"	3/4"	3/4"	7/8"	7/8"	7/8"
Installation Limitation	Max. Length	m	200(220)	200(220)	200(220)	200(220)	200(220)	200(220)
	Max. Height	m	110(40)	110(40)	110(40)	110(40)	110(40)	110(40)
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	5.50	5.20	5.50	7.70	7.40	8.70
Sound	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	86.0
External Dimension	Net Weight	DVMS HP	190.0	190.0	190.0	235.0	278.0	300.0
		DVMS HR	195.0	195.0	195.0	241.0	284.0	306.0
	Shipping Weight	DVMS HP	206.0	206.0	206.0	254.0	297.0	319.0
		DVMS HR	211.0	211.0	211.0	260.0	303.0	325.0
	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 1,857 x 832	948 x 1,857 x 832	948 x 1,857 x 832	1,363 x 1,857 x 832	1,363 x 1,857 x 832	1,363 x 1,857 x 832	
Operating Temp. Range	Cooling (HP)	°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	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0

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\* The maximum height of installation limitation for piping connections is only allowable when using PDM kits.

# DVMS Specification - Outdoor Units



## DVMS

DIGITAL VARIABLE MULTI

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

### DVMS HP / HR

Model Name		DVM S HP	AM200FXVAGH	AM220FXVAGH	AM240FXVAGH	AM260FXVAGH	AM280FXVAGH	AM300FXVAGH
Power Supply		DVM S HR	AM200FXVAGR	AM220FXVAGR	AM240FXVAGR	AM260FXVAGR	AM280FXVAGR	AM300FXVAGR
Mode		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
Performance		Mode	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Capacity (Nominal)	Cooling	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)	Heating	Btu/h	191,100	210,200	229,300	251,100	268,200	286,600
		kW	63.00	69.30	75.60	82.80	87.80	94.50
Power	Cooling 1)	kW	15.19	17.35	16.80	17.30	19.40	21.28
			Heating 2)	13.90	16.70	17.40	18.20	20.20
Current Input (Nominal)	Cooling 1)	A	24.40	27.80	27.00	27.80	31.10	34.20
			Heating 2)	22.30	26.80	28.00	29.20	32.40
MCA			52.50 (MCA)	55.60 (MCA)	62.60 (MCA)	62.60 (MCA)	71.30 (MCA)	80.20 (MCA)
	MFA	A	75.00	75.00	75.00	75.00	75.00	90.00
COP	Nominal Cooling		-	3.69	3.55	4.00	4.25	4.05
	Nominal Heating		-	4.53	4.15	4.34	4.55	4.35
ESEER (HP)			6.56	6.25	7.03	7.03	6.91	6.81
Compressor	Type		SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 3	SSC Scroll x 3
	Output	kW x n	(6.13x2)	(6.13x2)	(6.13)x2	(6.13) + (6.13)	(6.13) + (4.96x2)	(6.13) + (6.13x2)
Model Name			DS-GB066FAVASG x 2	DS-GB066FAVASG x 2	DS-GB066FAVASG x 2	DS-GB066FAVASG x 2	DS-GB066FAVASG x 1 + DS-GB052FAVASG x 2	DS-GB066FAVASG x 3
Oil	Type		PVE	PVE	PVE	PVE	PVE	PVE
	Initial Charge	cc	4600	4600	4600	4600	6900	6900
Fan	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
	Output x n	W	620 x 2	620 x 2	(400 x 1) x 2	400 x 1 + 620 x 2	400 x 1 + 620 x 2	400 x 1 + 620 x 2
Air Flow Rate		CMM	275	295	190 x 2	190 + 260	190 + 260	190 + 270
External Static Pressure	Max.	l/s	4,583.33	4,916.67	3,166.67 x 2	3,166.67 + 4,333.33	3,166.67 + 4,333.33	3,166.67 + 4,500.00
		mmAq	8.00	8.00	8.00	8.00	8.00	8.00
Piping Connections		Pa	78.45	78.45	78.45	78.45	78.45	78.45
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	28.58	34.92	34.92	34.92
		Φ, inch	1 1/8"	1 1/8"	1 1/8"	1 3/8"	1 3/8"	1 3/8"
Discharge Gas Pipe (HR)	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"
Installation Limitation	Max. Length	m	200(220)	200(220)	200(220)	200(220)	200(220)	200(220)
	Max. Height	m	110(40)	110(40)	110(40)	110(40)	110(40)	110(40)
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	8.40	11.00	13.20	12.90	14.20
Sound	Sound Pressure	dB(A)	65.0	65.0	-	-	-	-
	Sound Power	dB(A)	87.0	87.0	-	-	-	-
External Dimension	Net Weight	DVM S HP	300.0	300.0	190.0 x 2	190.0 + 235.0	190.0 + 278.0	190.0 + 300.0
	DVM S HR	306.0	306.0	195.0 x 2	195.0 + 241.0	195.0 + 284.0	195.0 + 306.0	
Shipping Weight	DVM S HP	319.0	319.0	206.0 x 2	206.0 + 254.0	206.0 + 297.0	206.0 + 319.0	
	DVM S HR	325.0	325.0	211.0 x 2	211.0 + 260.0	211.0 + 303.0	211.0 + 325.0	
Net Dimensions (WxHxD)	mm	1,295 x 1,695 x 765	1,295 x 1,695 x 765	(880 x 1,695 x 765) x 2	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	
	Shipping Dimensions (WxHxD)	mm	1,363 x 1,857 x 832	1,363 x 1,857 x 832	(948 x 1,857 x 832) x 2	948 x 1,857 x 832 + 1,363 x 1,857 x 832	948 x 1,857 x 832 + 1,363 x 1,857 x 832	948 x 1,857 x 832 + 1,363 x 1,857 x 832
Operating Temp. Range	Cooling (HP)	°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	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0

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\* The maximum height of installation limitation for piping connections is only allowable when using PDM kits.

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### DVMS HP / HR

Model Name		DVM S HP	AM320FXVAGH	AM340FXVAGH	AM360FXVAGH	AM380FXVAGH	AM400FXVAGH	AM420FXVAGH	
Power Supply		DVM S HR	AM320FXVAGR	AM340FXVAGR	AM360FXVAGR	AM380FXVAGR	AM400FXVAGR	AM420FXVAGR	
Mode		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	
Performance		Mode	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP	HP	32.00	34.00	36.00	38.00	40.00	42.00	
		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	kW	100.80	107.10	114.30	119.30	126.00	132.30
Power	Power Input (Nominal)	Cooling 1)	kW	23.59	25.75	26.25	28.35	30.38	32.54
		Heating 2)	kW	22.60	25.40	26.20	28.20	27.80	30.60
	Current Input (Nominal)	Cooling 1)	A	37.90	41.30	42.10	45.40	48.80	52.20
		Heating 2)	A	36.30	40.80	42.00	45.20	44.60	49.10
	MCA	83.80 (MCA)	86.90 (MCA)	86.90 (MCA)	86.90 (MCA)	95.60 (MCA)	105.00 (MCA)	108.10 (MCA)	
	MFA	90.00	90.00	90.00	100.00	100.00	125.00		
COP	Nominal Cooling	-	3.80	3.70	3.87	3.76	3.69	3.61	
	Nominal Heating	-	4.46	4.22	4.36	4.23	4.53	4.32	
	ESEER (HP)	-	6.80	6.64	6.64	6.52	6.56	6.41	
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	kW x n	(6.13) + (6.13x2)	(6.13) + (6.13x2)	(6.13) + (6.13x2)	(4.96x2) + (6.13x2)	(6.13x2)x2	(6.13x2) + (6.13x2)	
	Model Name	-	DS-GB066FAVASG x 3	DS-GB066FAVASG x 3	DS-GB066FAVASG x 3	DS-GB052FAVASG x 2 + DS-GB066FAVASG x 2	DS-GB066FAVASG x 4	DS-GB066FAVASG x 4	
	Oil	Type	-	PVE	PVE	PVE	PVE	PVE	
Fan	Initial Charge	cc	6900	6900	6900	9200	9200	9200	
	Type	-	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n	W	400 x 1 + 620 x 2	400 x 1 + 620 x 2	(620 x 2) x 2	(620 x 2) x 2	(620 x 2) x 2	(620 x 2) x 2	
	Air Flow Rate	CMM	190 + 275	190 + 295	260 + 295	260 + 295	275 x 2	275 + 295	
External Static Pressure	Max.	l/s	3,166.67 + 4,583.33	3,166.67 + 4,916.67	4,333.33 + 4,916.67	4,333.33 + 4,916.67	4,583.33 x 2	4,583.33 + 4,916.67	
		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	34.92	34.92	41.28	41.28	41.28	41.28	
		Φ, inch	1 3/8"	1 3/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"	
	Discharge Gas Pipe (HR)	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"	
Installation Limitation	Max. Length	m	200(220)	200(220)	200(220)	200(220)	200(220)		
Max. Height	m	110(40)	110(40)	110(40)	110(40)	110(40)	110(40)		
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	13.90	13.90	16.10	15.80	16.80	16.80	
Sound	Sound Pressure	dB(A)	-	-	-	-	-	-	
	Sound Power	dB(A)	-	-	-	-	-	-	
External Dimension	Net Weight	DVM S HP	kg	190.0 + 300.0	190.0 + 300.0	235.0 + 300.0	278.0 + 300.0	300.0 x 2	
		DVM S HR	195.0 + 306.0	195.0 + 306.0	241.0 + 306.0	284.0 + 306.0	306.0 x 2	306.0 x 2	
	Shipping Weight	DVM S HP	206.0 + 319.0	206.0 + 319.0	297.0 + 319.0	297.0 + 319.0	319.0 x 2	319.0 x 2	
		DVM S HR	211.0 + 325.0	211.0 + 325.0	260.0 + 325.0	303.0 + 325.0	325.0 x 2	325.0 x 2	
Net Dimensions (WxHxD)	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		
	mm	948 x 1,857 x 832 + 1,363 x 1,857 x 832	948 x 1,857 x 832 + 1,363 x 1,857 x 832	(1,363 x 1,857 x 832) x 2	(1,363 x 1,857 x 832) x 2	(1,363 x 1,857 x 832) x 2	(1,363 x 1,857 x 832) x 2		
Operating Temp. Range	Cooling (HP)	°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	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	

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# DVMS Specification - Outdoor Units



## DVMS

DIGITAL VARIABLE MULTI

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

### DVMS HP / HR

Model Name		DVMS HP	AM440FXVAGH	AM460FXVAGH	AM480FXVAGH	AM500FXVAGH	AM520FXVAGH	AM540FXVAGH
Power Supply		DVMS HR	AM440FXVAGR	AM460FXVAGR	AM480FXVAGR	AM500FXVAGR	AM520FXVAGR	AM540FXVAGR
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	Capacity (Nominal)	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
	Cooling	Btu/h	420,400	439,500	461,300	478,400	496,800	515,900
		kW	138.60	144.90	152.10	157.10	163.80	170.10
Heating	Btu/h	472,900	494,400	519,000	536,000	558,900	580,400	
	kW	34.70	34.15	34.65	36.75	38.63	40.94	
Power	Power Input (Nominal)	Cooling 1)	34.70	34.15	34.65	36.75	38.63	40.94
		Heating 2)	33.40	34.10	34.90	36.90	37.30	39.30
	Current Input (Nominal)	Cooling 1)	55.60	54.80	55.60	58.90	62.00	65.70
		Heating 2)	53.60	54.80	56.00	59.20	59.90	63.10
	MCA	111.20 (MCA)	118.20 (MCA)	118.20 (MCA)	126.90 (MCA)	135.80 (MCA)	139.40 (MCA)	
	MFA	125.00	125.00	125.00	125.00	125.00	150.00	
COP	Nominal Cooling	-	3.55	3.77	3.90	3.81	3.77	3.69
	Nominal Heating	-	4.15	4.25	4.36	4.26	4.39	4.33
	ESEER (HP)	-	6.25	6.77	6.77	6.69	6.62	6.61
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	(6.13x2)	(6.13x2) x 2	(6.13) + (6.13) + (6.13x2)	(6.13) + (4.96x2) + (6.13x2)	(6.13) + (6.13x2) + (6.13x2)	(6.13) + (6.13x2) + (6.13x2)
	Model Name	-	DS-GB066FAVASG x 4	DS-GB066FAVASG x 4	DS-GB066FAVASG x 4	DS-GB066FAVASG x 3 + DS-GB052FAVASG x 2	DS-GB066FAVASG x 5	DS-GB066FAVASG x 5
	Oil	Type	-	PVE	PVE	PVE	PVE	PVE
Fan	Initial Charge	cc	9200	9200	9200	11500	11500	11500
		Type	-	Propeller	Propeller	Propeller	Propeller	Propeller
	Output x n	W	(620 x 2) x 2	(400 x 1) x 2 + 620 x 2	400 x 1 + (620 x 2) x 2	400 x 1 + (620 x 2) x 2	400 x 1 + (620 x 2) x 2	400 x 1 + (620 x 2) x 2
	Air Flow Rate	CMM	295 x 2	190 x 2 + 295	190 + 260 + 295	190 + 260 + 295	190 + 270 + 295	190 + 275 + 295
External Static Pressure	l/s	4,916.67 x 2	3,166.67 x 2 + 4,916.67	3,166.67 + 4,333.33 + 4,916.67	3,166.67 + 4,333.33 + 4,916.67	3,166.67 + 4,583.33 + 4,916.67	3,166.67 + 4,583.33 + 4,916.67	
	mmAq	8.00	8.00	8.00	8.00	8.00	8.00	
Piping Connections	Liquid Pipe	Pa	78.45	78.45	78.45	78.45	78.45	78.45
		Φ, mm	19.05	19.05	19.05	19.05	19.05	19.05
	Gas Pipe	Φ, inch	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
		Φ, mm	41.28	41.28	41.28	41.28	41.28	41.28
	Discharge Gas Pipe (HR)	Φ, inch	1 5/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"
		Φ, mm	34.92	34.92	34.92	34.92	34.92	34.92
	Installation Limitation	Max. Length	m	200(220)	200(220)	200(220)	200(220)	200(220)
		Max. Height	m	110(40)	110(40)	110(40)	110(40)	110(40)
Field Wiring	Power Source Wire	mm2	-	-	-	-	-	
	Transmission Cable	mm2	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	19.40	21.60	21.30	22.60	22.30
Sound	Sound Pressure	dB(A)	-	-	-	-	-	
	Sound Power	dB(A)	-	-	-	-	-	
External Dimension	Net Weight	DVMS HP	300.0 x 2	190.0 x 2 + 300.0	190.0 + 235.0 + 300.0	190.0 + 278.0 + 300.0	190.0 + 300.0 x 2	190.0 + 300.0 x 2
		DVMS HR	306.0 x 2	195.0 x 2 + 306.0	195.0 + 241.0 + 306.0	195.0 + 284.0 + 306.0	195.0 + 306.0 x 2	195.0 + 306.0 x 2
	Shipping Weight	DVMS HP	319.0 x 2	206.0 x 2 + 319.0	206.0 + 254.0 + 319.0	206.0 + 254.0 + 319.0	206.0 + 319.0 x 2	206.0 + 319.0 x 2
		DVMS HR	325.0 x 2	211.0 x 2 + 325.0	211.0 + 260.0 + 325.0	211.0 + 303.0 + 325.0	211.0 + 325.0 x 2	211.0 + 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	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 + (1,295 x 1,695 x 765) x 2	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2	
	mm	(1,363 x 1,857 x 832) x 2	(948 x 1,857 x 832) x 2 + 1,363 x 1,857 x 832	948 x 1,857 x 832 + (1,363 x 1,857 x 832) x 2	948 x 1,857 x 832 + (1,363 x 1,857 x 832) x 2	948 x 1,857 x 832 + (1,363 x 1,857 x 832) x 2	948 x 1,857 x 832 + (1,363 x 1,857 x 832) x 2	
Operating Temp. Range	Cooling (HP)	°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	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0

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- New Communication Protocol

### DVMS HP / HR

Model Name		DVMS HP	AM560FXVAGH	AM580FXVAGH	AM600FXVAGH	AM620FXVAGH	AM640FXVAGH	AM660FXVAGH	
Power Supply		DVMS HR	AM560FXVAGR	AM580FXVAGR	AM600FXVAGR	AM620FXVAGR	AM640FXVAGR	AM660FXVAGR	
Mode		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	
Performance		Mode	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
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	188.60	195.30	201.60	207.90
Power	Power Input (Nominal)	Cooling 1)	kW	43.10	43.60	45.70	47.73	49.89	52.05
		Heating 2)	kW	42.10	42.90	44.90	44.50	47.30	50.10
	Current Input (Nominal)	Cooling 1)	A	69.10	69.90	73.20	76.60	80.00	83.40
		Heating 2)	A	67.60	68.80	72.00	71.40	75.90	80.40
	MCA	142.50 (MCA)	142.50 (MCA)	151.20 (MCA)	160.60 (MCA)	163.70 (MCA)	166.80 (MCA)	166.80 (MCA)	
	MFA	150.00	150.00	150.00	200.00	200.00	200.00	200.00	
COP	Nominal Cooling	-	3.64	3.74	3.68	3.64	3.59	3.55	
	Nominal Heating	-	4.19	4.28	4.20	4.39	4.26	4.15	
	ESEER (HP)	-	6.51	6.51	6.43	6.46	6.35	6.25	
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	(6.13) + (6.13x2)x2	(6.13) + (6.13x2)x2	(4.96x2) + (6.13x2)x2	(6.13x2)x2 + (6.13x2)	(6.13x2)x2 + (6.13x2)x2	(6.13x2)x3	
	Model Name	-	DS-GB066FAVASG x 5	DS-GB066FAVASG x 5	DS-GB052FAVASG x 2 + DS-GB066FAVASG x 4	DS-GB066FAVASG x 6	DS-GB066FAVASG x 6	DS-GB066FAVASG x 6	
	Oil	Type	-	PVE	PVE	PVE	PVE	PVE	
Fan	Initial Charge	cc	11500	11500	13800	13800	13800	13800	
	Type	-	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n	W	400 x 1 + (620 x 2) x 2	(620 x 2) x 3	(620 x 2) x 3	(620 x 2) x 3	(620 x 2) x 3	(620 x 2) x 3	
Piping Connections	Air Flow Rate	CMM	190 + 295 x 2	260 + 295 x 2	260 + 295 x 2	275 x 2 + 295	275 + 295 x 2	295 x 3	
	External Static Pressure	Max.	mmAq	3,166.67 + 4,916.67 x 2	4,333.33 + 4,916.67 x 2	4,333.33 + 4,916.67 x 2	4,583.33 x 2 + 4,916.67	4,583.33 + 4,916.67 x 2	4,916.67 x 3
		Pa	8.00	8.00	8.00	8.00	8.00	8.00	
Field Wiring	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 (HR)	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"	
Installation Limitation	Max. Length	m	200(220)	200(220)	200(220)	200(220)	200(220)		
Max. Height	m	110(40)	110(40)	110(40)	110(40)	110(40)	110(40)		
Refrigerant	Power Source Wire	mm2	-	-	-	-	-		
	Transmission Cable	mm2	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5		
Sound	Type	-	R410A	R410A	R410A	R410A	R410A		
	Factory Charging	kg	22.30	24.50	24.20	25.20	25.20		
External Dimension	Sound Pressure	dB(A)	-	-	-	-	-		
	Sound Power	dB(A)	-	-	-	-	-		
Operating Temp. Range	Net Weight	DVMS HP	kg	190.0 + 300.0 x 2	235.0 + 300.0 x 2	278.0 + 300.0 x 2	300.0 x 3	300.0 x 3	
		DVMS HR	kg	195.0 + 306.0 x 2	241.0 + 306.0 x 2	284.0 + 306.0 x 2	306.0 x 3	306.0 x 3	
	Shipping Weight	DVMS HP	kg	206.0 + 319.0 x 2	254.0 + 319.0 x 2	297.0 + 319.0 x 2	319.0 x 3	319.0 x 3	
		DVMS HR	kg	211.0 + 325.0 x 2	260.0 + 325.0 x 2	303.0 + 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	(1,295 x 1,695 x 765) x 3		
	mm	948 x 1,857 x 832 + (1,363 x 1,857 x 832) x 2	(1,363 x 1,857 x 832) x 3	(1,363 x 1,857 x 832) x 3	(1,363 x 1,857 x 832) x 3	(1,363 x 1,857 x 832) x 3	(1,363 x 1,857 x 832) x 3		
Cooling (HP)	•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		
	•C	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0		

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### DVMS HP / HR

Model Name		DVM S HP	AM680FXVAGH	AM700FXVAGH	AM720FXVAGH	AM740FXVAGH	AM760FXVAGH	AM780FXVAGH	AM800FXVAGH	
Power Supply		DVM S HR	AM680FXVAGR	AM700FXVAGR	AM720FXVAGR	AM740FXVAGR	AM760FXVAGR	AM780FXVAGR	AM800FXVAGR	
Mode		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	
Performance		Mode	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
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	kW	214.20	221.40	226.40	233.10	239.40	245.70	252.90
Power	Power Input (Nominal)	Cooling 1)	kW	51.50	52.00	54.10	55.98	58.29	60.45	
		Heating 2)	kW	50.80	51.60	53.60	54.00	56.00	58.80	
	Current Input (Nominal)	Cooling 1)	A	82.60	83.40	86.70	89.80	93.50	96.90	
		Heating 2)	A	81.60	82.80	86.00	86.70	89.90	94.40	
	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		3.70	3.78	3.73	3.70	3.65	3.61	3.69	
	Nominal Heating		4.22	4.29	4.22	4.32	4.28	4.18	4.24	
	ESEER (HP)		6.64	6.64	6.58	6.53	6.52	6.45	6.44	
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	(6.13)x2 + (6.13x2)x2	(6.13) + (6.13) + (6.13x2)x2	(6.13) + (4.96x2) + (6.13x2)x2	(6.13) + (6.13x2) + (6.13x2)x2	(6.13) + (6.13x2) + (6.13x2)x2	(6.13) + (6.13x2) + (6.13x2)x2	(6.13) + (6.13x2)x3	(6.13) + (6.13x2)x3
	Model Name		DS-GB066FAVASG x 6	DS-GB066FAVASG x 6	DS-GB066FAVASG x 5 + DS-GB052FAVASG x 2	DS-GB066FAVASG x 7	DS-GB066FAVASG x 7	DS-GB066FAVASG x 7	DS-GB066FAVASG x 7	
	Oil	Type	PVE	PVE	PVE	PVE	PVE	PVE	PVE	
Fan	Initial Charge	cc	13800	13800	16100	16100	16100	16100	16100	
	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n	W	(400 x 1) x 2 + (620 x 2) x 2	400 x 1 + (620 x 2) x 3	400 x 1 + (620 x 2) x 3	400 x 1 + (620 x 2) x 3	400 x 1 + (620 x 2) x 3	400 x 1 + (620 x 2) x 3	(620 x 2) x 4	
	Air Flow Rate	CMM	190 x 2 + 295 x 2	190 + 260 + 295 x 2	190 + 260 + 295 x 2	190 + 270 + 295 x 2	190 + 275 + 295 x 2	190 + 295 x 3	260 + 295 x 3	
External Static Pressure		l/s	3,166.67 x 2 + 4,916.67 x 2	3,166.67 + 4,333.33 + 4,916.67 x 2	3,166.67 + 4,333.33 + 4,916.67 x 2	3,166.67 + 4,500.00 + 4,916.67 x 2	3,166.67 + 4,583.33 + 4,916.67 x 2	3,166.67 + 4,916.67 x 3	4,333.33 + 4,916.67 x 3	
	Max.	mmAq	8.00	8.00	8.00	8.00	8.00	8.00	8.00	
Piping Connections	Liquid Pipe	Pa	78.45	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	22.22	
	Gas Pipe	Φ, inch	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	
		Φ, mm	53.98	53.98	53.98	53.98	53.98	53.98	53.98	
	Discharge Gas Pipe (HR)	Φ, inch	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	
		Φ, mm	41.28	41.28	41.28	41.28	41.28	41.28	41.28	
Installation Limitation	Max. Length	m	200(220)	200(220)	200(220)	200(220)	200(220)	200(220)		
	Max. Height	m	110(40)	110(40)	110(40)	110(40)	110(40)	110(40)		
Field Wiring	Power Source Wire	mm2	-	-	-	-	-	-		
	Transmission Cable	mm2	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	27.80	30.00	29.70	31.00	30.70	30.70		
Sound	Sound Pressure	dB(A)	-	-	-	-	-	-		
	Sound Power	dB(A)	-	-	-	-	-	-		
External Dimension	Net Weight	DVM S HP	kg	190.0 x 2 + 300.0 x 2	190.0 + 235.0 + 300.0 x 2	190.0 + 278.0 + 300.0 x 2	190.0 + 300.0 x 3	190.0 + 300.0 x 3	190.0 + 300.0 x 3	
		DVM S HR	kg	195.0 x 2 + 306.0 x 2	195.0 + 241.0 + 306.0 x 2	195.0 + 284.0 + 306.0 x 2	195.0 + 306.0 x 3	195.0 + 306.0 x 3	241.0 + 306.0 x 3	
	Shipping Weight	DVM S HP	kg	206.0 x 2 + 319.0 x 2	206.0 + 254.0 + 319.0 x 2	206.0 + 297.0 + 319.0 x 2	206.0 + 319.0 x 3	206.0 + 319.0 x 3	254.0 + 319.0 x 3	
		DVM S HR	kg	211.0 x 2 + 325.0 x 2	211.0 + 260.0 + 325.0 x 2	211.0 + 303.0 + 325.0 x 2	211.0 + 325.0 x 3	211.0 + 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	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	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 4	
	mm		(948 x 1,857 x 832) x 2 + (1,363 x 1,857 x 832) x 2	948 x 1,857 x 832 + (1,363 x 1,857 x 832) x 3	948 x 1,857 x 832 + (1,363 x 1,857 x 832) x 3	948 x 1,857 x 832 + (1,363 x 1,857 x 832) x 3	948 x 1,857 x 832 + (1,363 x 1,857 x 832) x 3	948 x 1,857 x 832 + (1,363 x 1,857 x 832) x 3	(1,363 x 1,857 x 832) x 4	
Operating Temp. Range	Cooling (HP)	°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	-5.0 ~ 48.0	
	Heating	°C	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	

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\* If you wish to install an outdoor unit module with a capacity of over 60 HP, then please contact your local Samsung Dealer.

\* The maximum height of installation limitation for piping connections is only allowable when using PDM kits.

# DVMS Specification - Outdoor Units



## DVMS Mini

DIGITAL VARIABLE MULTI

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

Model Name	AM040FXMDEH	AM050FXMDEH	AM060FXMDEH	AM040FXMDGH	AM050FXMDGH	AM060FXMDGH	
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	4	5.00	6.00	4	5.00	
	Cooling	kW	12.1	14.00	15.50	12.1	14.00
		Btu/h	41,300	47,800	52,900	41,300	47,800
	Heating	kW	13.5	16.00	18.00	13.5	16.00
Btu/h		46,100	54,600	61,400	46,100	54,600	
Power	Power Input (Nominal)	Cooling 1)	2.89	3.68	4.31	2.89	3.68
		Heating 2)	3.02	3.61	4.39	3.02	3.61
	Current Input (Nominal)	Cooling 1)	14	17.80	21.00	4.8	6.20
		Heating 2)	15.1	17.20	20.20	5	6.00
	MCA	22.00 (Max.)	24.00 (Max.)	32.00 (Max.)	12.00 (Max.)	13.00 (Max.)	14.00 (Max.)
	MFA	30.00	30.00	40.00	20.00	20.00	20.00
COP	Nominal Cooling	4.186851211	3.80	3.60	4.186851211	3.80	
	Nominal Heating	4.470198675	4.43	4.10	4.470198675	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	(4.12)	(4.12)	(4.12)	(4.12)	(4.12)	
	Model Name	UG5T450FUEJXSG x 1	UG5T450FUEJXSG x 1	UG5T450FUEJXSG x 1	UG5T450FUEJXSG x 1	UG5T450FUEJXSG x 1	
	Oil	1700	1700	1700	1700	1700	
Fan	Type	Propeller / BLDC	Propeller / BLDC	Propeller / BLDC	Propeller / BLDC	Propeller / BLDC	
	Output x n	125 x 2	125 x 2	125 x 2	125 x 2	125 x 2	
	Air Flow Rate	100	100	100	100	100	
	External Static Pressure	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	
		Φ, inch	3/8"	3/8"	3/8"	3/8"	
	Gas Pipe	Φ, mm	15.88	15.88	19.05	15.88	
		Φ, inch	5/8"	5/8"	3/4"	5/8"	
	Discharge Gas Pipe (HR)	Φ, mm	-	-	-	-	
		Φ, inch	-	-	-	-	
	Oil Equalizing Pipe	Φ, mm	-	-	-	-	
		Φ, inch	-	-	-	-	
Installation Limitation	Max. Length	150(175)	150(175)	150(175)	150(175)		
	Max. Height	50(40)	50(40)	50(40)	50(40)		
Field Wiring	Power Source Wire	2.5 ~ 4.0	2.5 ~ 4.0	4.0 ~ 6.0	1.5 ~ 2.5		
	Transmission Cable	mm2	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	3.20		
Sound	Sound Pressure	50.0	51.0	53.0	50.0		
	Sound Power	52.0	53.0	55.0	52.0		
External Dimension	Net Weight	100.0	100.0	103.0	100.0		
	Shipping Weight	105.0	105.0	108.0	105.0		
Operating Temp. Range	Cooling	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0		
	Heating	-20.0 ~ 26.0	-20.0 ~ 26.0	-20.0 ~ 26.0	-20.0 ~ 26.0		

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 \* The maximum height of installation limitation for piping connections is only allowable when using PDM kits.

# DVMS Specification - Indoor Units



## 4Way Cassette S

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



Model		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		
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	89.00	
		Heating	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	
		Heating	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		
		Output	W	-	-	-	-	-	-	
	Air Flow Rate	High / Mid / Low (UL)	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
		l/s	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 Static Pressure	Min. / Std. / Max.	mmAq	-	-	-	-	-	-		
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	9.52	9.52	9.52	9.52		
		Φ, inch	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"		
	Gas Pipe	Φ, mm	12.70	12.70	15.88	15.88	15.88	15.88		
		Φ, inch	1/2"	1/2"	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)			
Field Wiring	Power Source Wire	Below 20m / Over 20m	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	dBA	34.0/33.0/31.0	34.0/33.0/31.0	36.0/35.0/34.0	40.0/37.0/34.0	41.0/39.0/37.0	42.0/40.0/37.0	
		Sound Power	dBA	-	-	-	-	-	-	
Dimensions	Net Weight	kg	15.50	15.50	15.50	15.50	17.00	19.00		
	Shipping Weight	kg	19.50	19.50	19.50	19.50	20.00	22.50		
	Net Dimensions (WxHxD)	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		
	Shipping Dimensions (WxHxD)	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		
Panel Size	Panel Model	-	PC4NUSKAN	PC4NUSKAN	PC4NUSKAN	PC4NUSKAN	PC4NUSKAN			
	Panel Net Weight	kg	6.70	6.70	6.70	6.70	6.70			
	Shipping Weight	kg	8.90	8.90	8.90	8.90	8.90			
	Net Dimensions (WxHxD)	mm	950 x 30 x 950	950 x 30 x 950	950 x 30 x 950	950 x 30 x 950	950 x 30 x 950			
Shipping Dimensions (WxHxD)	mm	1042 x 93 x 950	1042 x 93 x 950	1042 x 93 x 950	1042 x 93 x 950	1042 x 93 x 950	1042 x 93 x 950			
Additional Accessories	Drain Pump	Max. Lifting Height / Displacement	mm / liter/h	-	-	-	-	-		
		Air Filter	-	-	-	-	-			

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### Optional Accessories





# DVMS Specification - Indoor Units



## Mini 4Way Cassette S

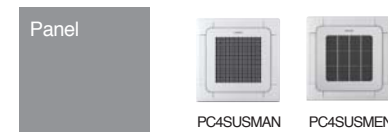
- Compact and Light Unit
- Virus Doctor (Optional)
- Motion Detect Sensor (Optional)
- No Overflowing Drain Water
- New Communication Protocol



Model			AM022FNNDEH	AM028FNNDEH	AM036FNNDEH	AM045FNNDEH	AM056FNNDEH	AM060FNNDEH	
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	2.20	2.80	3.60	4.50	5.60	
		Btu/h	7,500	9,600	12,300	15,400	19,100	20,500	
	Heating	kW	2.50	3.20	4.00	5.00	6.30	6.80	
		Btu/h	8,500	10,900	13,600	17,100	21,500	23,200	
Power	Power Input (Nominal)	Cooling	W	18.00	18.00	20.00	23.00	28.00	
		Heating	W	18.00	18.00	20.00	23.00	28.00	31.00
	Current Input (Nominal)	Cooling	A	0.17	0.17	0.19	0.22	0.27	
		Heating	A	0.17	0.17	0.19	0.22	0.27	
Fan	Motor	Type	-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	
		Output	W	65 x 1	65 x 1	65 x 1	65 x 1	65 x 1	
	Air Flow Rate	High / Mid / Low (UL)	CMM	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		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 Static Pressure	Min. / Std. / Max.	mmAq	-	-	-	-	-	-	
	Pa		-	-	-	-	-	-	
Piping Connections	Liquid Pipe	Φ, mm	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"	
	Gas Pipe	Φ, mm	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"	
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	Below 20m / Over 20m	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	dBA	32.0/30.0/27.0	34.0/30.0/26.0	36.0/34.0/31.0	36.0/35.0/33.0	40.0/37.0/34.0	
		dBA		-	-	-	-	-	
Dimensions	Net Weight		kg	12.00	12.00	12.00	12.00	12.00	
		Shipping Weight	kg	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	
		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		-	PC4SUSMAN	PC4SUSMAN	PC4SUSMAN	PC4SUSMAN	PC4SUSMAN	
		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		-	-	-	-	-	
Max. Lifting Height / Displacement		mm / liter/h	-	-	-	-	-		
Air Filter		-	-	-	-	-	-		

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### Optional Accessories



# DVMS Specification - Indoor Units

## Slim 1Way Cassette



- Slim and Compact Design
- Quiet Operation
- No Overflowing Drain Water
- New Communication Protocol



50Hz

Model			AM022FN1DEH	AM028FN1DEH	AM036FN1DEH	
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	
Performance	Capacity (Nominal)	Cooling	kW	2.20	2.80	3.60
			Btu/h	7,500	9,600	12,300
		Heating	kW	2.60	3.20	4.00
			Btu/h	8,900	10,900	13,600
Power	Power Input (Nominal)	Cooling	W	50.00	50.00	50.00
		Heating	W	50.00	50.00	50.00
	Current Input (Nominal)	Cooling	A	0.20	0.23	0.25
		Heating	A	0.20	0.23	0.25
Fan	Motor	Type	-	Crossflow Fan	Crossflow Fan	
		Output	W	23 x 1	23 x 1	23 x 1
	Air Flow Rate	High / Mid / Low (UL)	CMM	6.00/5.00/4.00	7.00/6.00/5.00	8.00/7.00/6.00
			l/s	100.00/83.33/66.67	116.67/100.00/83.33	133.33/116.67/100.00
External Static 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	12.70	12.70	12.70	
		Φ, inch	1/2"	1/2"	1/2"	
Drain Pipe	Φ, mm	VP20 (OD 26, ID 20)	VP20 (OD 26, ID 20)	VP20 (OD 26, ID 20)		
	Φ, mm	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5		
Field Wiring	Power Source Wire	Below 20m / Over 20m	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	dBA	27.0/25.0/23.0	29.0/27.0/24.0	35.0/31.0/27.0
	Sound Power	High / Mid / Low	dBA	-	-	-
Dimensions	Net Weight		kg	10.50	10.50	10.50
	Shipping Weight		kg	13.00	13.00	13.00
	Net Dimensions (WxHxD)		mm	970 x 135 x 410	970 x 135 x 410	970 x 135 x 410
	Shipping Dimensions (WxHxD)		mm	1164 x 212 x 478	1164 x 212 x 478	1164 x 212 x 478
Panel Size	Panel Model		-	PC1NUSMAN	PC1NUSMAN	
	Panel Net Weight		kg	3.00	3.00	3.00
	Shipping Weight		kg	5.00	5.00	5.00
	Net Dimensions (WxHxD)		mm	1180 x 225 x 460	1180 x 225 x 460	1180 x 225 x 460
Shipping Dimensions (WxHxD)		mm	1259 x 144 x 539	1259 x 144 x 539	1259 x 144 x 539	
Additional Accessories	Drain Pump	Drain Pump	-	-	-	
	Max. Lifting Height / Displacement	mm / liter/h	-	-	-	
Air Filter			-	-	-	

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### Optional Accessories



## 2Way Cassette



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



50Hz

Model			AM056FN2DEH	AM071FN2DEH	
Power Supply		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	
Mode			-	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	
		Output	W	14 x 2	14 x 2
	Air Flow Rate	High / Mid / Low (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 Static 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"	
Drain Pipe	Φ, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)		
	Φ, mm	1.5 ~ 2.5	1.5 ~ 2.5		
Field Wiring	Power Source Wire	Below 20m / Over 20m	mm <sup>2</sup>	1.5 ~ 2.5	
	Transmission Cable		mm <sup>2</sup>	0.75 ~ 1.50	
Refrigerant	Type		-	R410A	
	Control Method		-	EEV INCLUDED	
Sound	Sound Pressure	High / Mid / Low	dBA	38.0/37.0/35.0	41.0/39.0/37.0
	Sound Power	High / Mid / Low	dBA	-	-
Dimensions	Net Weight		kg	21.00	22.00
	Shipping Weight		kg	25.00	26.00
	Net Dimensions (WxHxD)		mm	890 x 230 x 575	890 x 230 x 575
	Shipping Dimensions (WxHxD)		mm	1077 x 299 x 642	1077 x 299 x 642
Panel Size	Panel Model		-	PC2NUSMEN	
	Panel Net Weight		kg	4.00	4.00
	Shipping Weight		kg	8.00	8.00
	Net Dimensions (WxHxD)		mm	1030 x 25 x 650	1030 x 25 x 650
Shipping Dimensions (WxHxD)		mm	1103 x 151 x 727	1103 x 151 x 727	
Additional Accessories	Drain Pump	Drain Pump	-	-	
	Max. Lifting Height / Displacement	mm / liter/h	-	-	
Air Filter			-	-	

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### 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



Model			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	16.80	25.00	31.50
			Btu/h	42,700	47,100	57,300	85,300	107,500
Power	Power Input (Nominal)	Cooling	W	510.00	560.00	625.00	530.00	790.00
		Heating		510.00	560.00	625.00	530.00	790.00
	Current Input (Nominal)	Cooling	A	3.60	3.75	3.90	3.80	5.90
		Heating		3.60	3.75	3.90	3.80	5.90
Fan	Motor	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
		Output	W	400 x 1	400 x 1	-	400 x 1	400 x 1
	Air Flow Rate	High / Mid / Low (UL)	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
			l/s	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 Static Pressure	Min. / Std. / Max.	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	22.23	
		Φ, inch	5/8"	5/8"	5/8"	3/4"	7/8"	
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)		
Field Wiring	Power Source Wire	Below 20m / Over 20m	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 ~ 1.50	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	dBA	43.0/41.0/39.0	44.0/42.0/40.0	45.0/43.0/41.0	45.0/43.0/41.0	48.0/46.0/43.0
			dBA	-	-	-	-	-
Dimensions	Net Weight		kg	62.00	70.00	62.00	89.00	
		Shipping Weight	kg	70.00	75.00	70.00	99.00	
	Net Dimensions (WxHxD)		mm	1200 x 360 x 650	1200 x 360 x 650	1200 x 360 x 650	1240 x 470 x 1040	
		Shipping Dimensions (WxHxD)	mm	1447 x 425 x 769	1447 x 425 x 769	1447 x 425 x 769	1507 x 558 x 1155	
Panel Size	Panel Model		-	-	-	-	-	
		Panel Net Weight	kg	-	-	-	-	
	Shipping Weight		kg	-	-	-	-	
		Net Dimensions (WxHxD)	mm	-	-	-	-	
Shipping Dimensions (WxHxD)		mm	-	-	-	-		
		mm	-	-	-	-		
Additional Accessories	Drain Pump		-	MDP-M075SGU1D	MDP-M075SGU2D	MDP-M075SGU2D	MDP-N047SNC1D	
		Max. Lifting Height / Displacement	mm / liter/h	-	-	-	-	
	Air Filter		-	-	-	-	-	

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### Optional Accessories

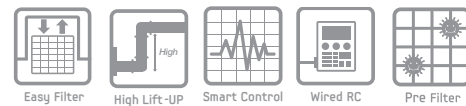


# DVMS Specification - Indoor Units

## MSP Duct



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



Model			AM022FNMDEH	AM028FNMDEH	AM036FNMDEH	AM045FNMDEH	AM056FNMDEH	
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	80.00	80.00	85.00	125.00	130.00
		Heating		80.00	80.00	85.00	125.00	130.00
	Current Input (Nominal)	Cooling	A	0.40	0.40	0.55	1.15	1.10
		Heating		0.40	0.40	0.55	1.15	1.10
Fan	Motor	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
		Output	W	69 x 1	69 x 1	112 x 1	124 x 1	124 x 1
	Air Flow Rate	High / Mid / Low (UL)	CMM	8.50/7.50/6.30	10.00/9.20/7.50	12.00/10.20/8.80	14.00/12.00/10.50	14.50/13.00/11.50
			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
External Static Pressure	Min. / Std. / Max.	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	
		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	
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	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	Below 20m / Over 20m	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 ~ 1.50	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	dBA	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
			dBA	-	-	-	-	-
Dimensions	Net Weight		kg	23.50	23.50	23.50	29.00	29.00
		Shipping Weight	kg	28.00	28.00	28.00	33.00	33.00
	Net Dimensions (WxHxD)		mm	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
		Shipping Dimensions (WxHxD)	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
Panel Size	Panel Model		-	-	-	-	-	
		Panel Net Weight	kg	-	-	-	-	
	Shipping Weight		kg	-	-	-	-	
		Net Dimensions (WxHxD)	mm	-	-	-	-	
Additional Accessories	Drain Pump		-	-	-	-		
		Max. Lifting Height / Displacement	mm / liter/h	-	-	-	-	
	Air Filter		-	-	-	-		

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### Optional Accessories



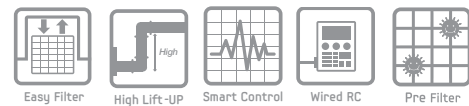


# DVMS Specification - Indoor Units

## MSP Duct



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



Model			AM071FNMDEH	AM090FNMDEH	AM112FNMDEH	AM128FNMDEH	AM140FNMDEH	
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	7.10	9.00	11.20	12.80	14.00
			Btu/h	24,200	30,700	38,200	43,700	47,800
		Heating	kW	8.00	10.00	12.50	13.80	16.00
			Btu/h	27,300	34,100	42,700	47,100	54,600
Power	Power Input (Nominal)	Cooling	190.00	240.00	260.00	370.00	410.00	
		Heating	190.00	240.00	260.00	370.00	410.00	
	Current Input (Nominal)	Cooling	1.25	1.30	1.17	1.67	1.86	
		Heating	1.25	1.30	1.17	1.67	1.86	
Fan	Motor	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	
		Output	124 x 1	130 x 1	130 x 1	218 x 1	218 x 1	
	Air Flow Rate	High / Mid / Low (UL)	CMM	18.50/17.00/15.50	19.50/18.00/16.50	27.00/25.00/23.00	32.00/30.00/28.00	37.00/34.00/31.00
			l/s	308.33/283.33/258.33	325.00/300.00/275.00	450.00/416.67/383.33	533.33/500.00/466.67	616.67/566.67/516.67
External Static Pressure	Min. / Std. / Max.	mmAq	0.00/4.00/8.00	4.00/6.00/8.00	4.00/8.00/12.00	4.00/8.00/14.00	4.00/8.00/14.00	
		Pa	0.00/39.23/78.45	39.23/58.84/78.45	39.23/78.45/117.68	39.23/78.45/137.29	39.23/78.45/137.29	
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	15.88	15.88	
		Φ, inch	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)		
Field Wiring	Power Source Wire	Below 20m / Over 20m	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 ~ 1.50	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	dBA	39.0/35.0/31.0	40.0/37.0/34.0	41.0/40.0/38.0	41.0/40.0/38.0	42.0/39.0/36.0
		Sound Power	High / Mid / Low	dBA	-	-	-	-
Dimensions	Net Weight		kg	29.00	34.00	36.00	52.00	52.00
		Shipping Weight	kg	33.00	39.00	42.00	59.00	59.00
	Net Dimensions (WxHxD)		mm	900 x 260 x 480	1150 x 260 x 480	1150 x 320 x 480	1200 x 360 x 650	1200 x 360 x 650
		Shipping Dimensions (WxHxD)	mm	1170 x 340 x 595	1420 x 340 x 595	1420 x 400 x 595	1480 x 420 x 790	1480 x 420 x 790
Panel Size	Panel Model		-	-	-	-	-	
		Panel Net Weight	kg	-	-	-	-	
	Shipping Weight		kg	-	-	-	-	
		Net Dimensions (WxHxD)	mm	-	-	-	-	
Shipping Dimensions (WxHxD)		mm	-	-	-	-		
		mm	-	-	-	-		
Additional Accessories	Drain Pump		-	MDP-M075SGU3D	MDP-M075SGU1D	MDP-M075SGU1D	MDP-M075SGU2D	MDP-M075SGU2D
		Max. Lifting Height / Displacement	mm / liter/h	-	-	-	-	-
	Air Filter		-	-	-	-	-	

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### Optional Accessories



# DVMS Specification - Indoor Units

## Slim Duct



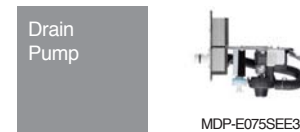
- Flexible Installation
- Easier Drain Pump Installation
- Slim Design
- Easy to Maintain
- New Communication Protocol



Model		AM017FNLDEH	AM022FNLDEH	AM028FNLDEH	AM036FNLDEH	AM045FNLDEH	AM056FNLDEH	
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	1.70	2.20	2.80	3.60	4.50	5.60
		Heating	1.90	2.50	3.20	4.00	5.00	6.30
	Power Input (Nominal)	Cooling		55.00	60.00	65.00	90.00	95.00
		Heating		55.00	60.00	65.00	90.00	95.00
Current Input (Nominal)	Cooling		0.30	0.32	0.33	0.52	0.53	
	Heating		0.30	0.32	0.33	0.52	0.53	
Fan	Motor	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	
		Output	69 x 1	-	-	-	-	
	Air Flow Rate	High / Mid / Low (UL)	7.00/6.10/5.30	7.50/6.60/5.60	7.50/6.60/5.60	11.00/9.60/8.30	12.00/10.50/9.00	
	External Static Pressure	Min. / Std. / Max.	0.00/1.00/3.00	116.67/101.67/88.33	125.00/110.00/93.33	125.00/110.00/93.33	183.33/160.00/138.33	200.00/175.00/150.00
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"	
Field Wiring	Power Source Wire	Below 20m / Over 20m	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)	
	Transmission Cable		1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	
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	26.0/24.0/21.0	28.0/26.0/23.0	32.0/30.0/27.0	35.0/31.0/26.0	36.0/34.0/31.0	
	Sound Power	High / Mid / Low	-	-	-	-	-	
Dimensions	Net Weight	kg	19.00	19.00	19.50	23.50	23.50	
	Shipping Weight	kg	23.00	23.00	23.50	28.00	28.00	
	Net Dimensions (WxHxD)	mm	700 x 199 x 600	700 x 199 x 600	700 x 199 x 600	900 x 199 x 600	900 x 199 x 600	
	Shipping Dimensions (WxHxD)	mm	950 x 270 x 710	950 x 270 x 710	950 x 270 x 710	1150 x 280 x 710	1150 x 280 x 710	
Panel Size	Panel Model		-	-	-	-	-	
	Panel Net Weight	kg	-	-	-	-	-	
	Shipping Weight	kg	-	-	-	-	-	
	Net Dimensions (WxHxD)	mm	-	-	-	-	-	
Additional Accessories	Drain Pump	Drain Pump	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	
	Air Filter	Max. Lifting Height / Displacement	-	-	-	-	-	

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### Optional Accessories

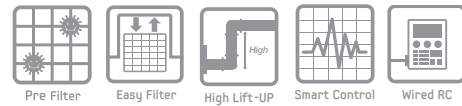


# DVMS Specification - Indoor Units

## Slim Duct



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



Model				AM071FNLDEH	AM090FNLDEH	AM112FNLDEH	AM128FNLDEH	AM140FNLDEH
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	7.10	9.00	11.20	12.80	14.00
			Btu/h	24,200	30,700	38,200	43,700	47,800
	Heating		kW	8.00	10.00	12.50	13.80	16.00
			Btu/h	27,300	34,100	42,700	47,100	54,600
Power	Power Input (Nominal)	Cooling	W	120.00	170.00	170.00	200.00	220.00
				120.00	170.00	170.00	200.00	220.00
	Current Input (Nominal)	Cooling	A	0.60	0.96	0.96	1.28	1.43
				0.60	0.96	0.96	1.28	1.43
Fan	Motor	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
		Output	W	-	-	-	-	-
	Air Flow Rate	High / Mid / Low (UL)	CMM	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	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 Static Pressure	Min. / Std. / Max.	mmAq	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	0.00/19.61/39.23	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	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	15.88	15.88	
		Φ, inch	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)		
Field Wiring	Power Source Wire	Below 20m / Over 20m	mm <sup>2</sup>	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
				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	dBA	38.0/36.0/33.0	37.0/36.0/34.0	37.0/36.0/34.0	37.0/36.0/34.0	39.0/38.0/34.0
				-	-	-	-	-
Dimensions	Net Weight		kg	30.00	44.00	44.00	46.00	46.00
				35.00	52.00	52.00	54.00	54.00
	Shipping Dimensions (WxHxD)		mm	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
				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			-	-	-	-	-
				-	-	-	-	-
	Shipping Weight		kg	-	-	-	-	-
				-	-	-	-	-
Net Dimensions (WxHxD)		mm	-	-	-	-	-	
			-	-	-	-	-	
Additional Accessories	Drain Pump			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

## Neo Forte



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



Model			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	
Mode			HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	
Performance	Capacity (Nominal)	Cooling	kW	2.20	2.80	3.60	5.60	6.80
			Btu/h	7,500	9,600	12,300	19,100	23,200
	Heating		kW	2.50	3.20	4.00	6.30	7.00
			Btu/h	8,500	10,900	13,600	21,500	23,900
Power	Power Input (Nominal)	Cooling	W	25.00	25.00	30.00	45.00	50.00
		Heating		25.00	25.00	30.00	45.00	50.00
	Current Input (Nominal)	Cooling	A	0.16	0.16	0.18	0.27	0.30
		Heating		0.16	0.16	0.18	0.27	0.30
Fan	Motor	Type	-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	
		Output	W	23 x 1	23 x 1	23 x 1	40 x 1	
	Air Flow Rate	High / Mid / Low (UL)	CMM	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	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 Static Pressure	Min. / Std. / Max.	mmAq	-	-	-	-	-	
		Pa	-	-	-	-	-	
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35	6.35	9.52	
		Φ, inch	1/4"	1/4"	1/4"	1/4"	3/8"	
	Gas Pipe	Φ, mm	12.70	12.70	12.70	12.70	15.88	
		Φ, inch	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	Below 20m / Over 20m	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 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	
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	dBA	31.0/29.0/27.0	31.0/29.0/27.0	31.0/29.0/27.0	44.0/41.0/38.0	
			dBA	-	-	-	-	
Dimensions	Net Weight		kg	8.00	8.00	8.00	13.00	
			kg	11.00	11.00	11.00	16.00	
	Shipping Dimensions (WxHxD)		mm	825 x 285 x 189	825 x 285 x 189	825 x 285 x 189	1065 x 298 x 218	
			mm	904 x 353 x 263	904 x 353 x 263	904 x 353 x 263	1137 x 377 x 299	
Panel Size	Panel Model		-	-	-	-	-	
			kg	-	-	-	-	
	Shipping Weight		kg	-	-	-	-	
			mm	-	-	-	-	
Additional Accessories	Drain Pump	Max. Lifting Height / Displacement	mm / liter/h	-	-	-	-	
		Air Filter		-	-	-	-	

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### Optional Accessories

Individual Controllers



MWR-WE10N



MR-DH00

### Standard Accessories

Wireless Remote Controller





# DVMS Specification - Indoor Units

## Neo Forte - E



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



Model				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
Mode				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	6.80
			Btu/h	7,500	9,600	12,300	15,400	19,100	23,200
	Heating		kW	2.50	3.20	4.00	5.00	6.30	7.00
			Btu/h	8,500	10,900	13,600	17,100	21,500	23,900
Power	Power Input (Nominal)	Cooling	W	25.00	25.00	30.00	40.00	45.00	50.00
			W	25.00	25.00	30.00	40.00	45.00	50.00
	Current Input (Nominal)	Cooling	A	0.16	0.16	0.18	0.24	0.27	0.30
			A	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
		Output	W	23 x 1	23 x 1	40 x 1	40 x 1	40 x 1	40 x 1
	Air Flow Rate	High / Mid / Low (UL)	CMM	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	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 Static Pressure	Min. / Std. / Max.	mmAq	-	-	-	-	-	-	-
		Pa	-	-	-	-	-	-	-
Piping Connections	Liquid Pipe	Φ, mm	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"	3/8"
	Gas Pipe	Φ, mm	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"	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	
Field Wiring	Power Source Wire	Below 20m / Over 20m	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
			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	dBA	30.0/28.0/26.0	30.0/28.0/26.0	37.0/33.0/29.0	39.0/37.0/35.0	41.0/38.0/35.0	44.0/40.0/35.0
			dBA	-	-	-	-	-	-
Dimensions	Net Weight		kg	8.30	8.30	8.30	13.50	13.50	13.50
			kg	11.30	11.30	11.30	16.50	16.50	16.50
	Net Dimensions (WxHxD)		mm	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
			mm	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		-	-	-	-	-	-	-
			kg	-	-	-	-	-	-
	Shipping Weight		kg	-	-	-	-	-	-
			mm	-	-	-	-	-	-
Shipping Dimensions (WxHxD)		mm	-	-	-	-	-	-	
		mm	-	-	-	-	-	-	
Additional Accessories	Drain Pump	Max. Lifting Height / Displacement	mm / liter/h	-	-	-	-	-	-
			mm / liter/h	-	-	-	-	-	-
	Air Filter		-	-	-	-	-	-	

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 \* The concept of Neo Forte (EEV included) is for commercial application only.

### Optional Accessories

Individual Controllers



MWR-WE10N MR-DH00

### Standard Accessories

Wireless Remote Controller



# DVMS Specification - Indoor Units



## Console

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



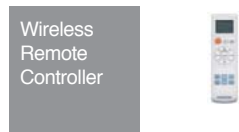
Model			AM028FNJDEH	AM036FNJDEH	AM056FNJDEH	
Power Supply		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	
Mode			HP/HR	HP/HR	HP/HR	
Performance	Capacity (Nominal)	Cooling	kW	2.80	3.60	5.60
			Btu/h	9,600	12,300	19,100
	Heating		kW	3.20	4.00	6.30
			Btu/h	10,900	13,600	21,500
Power	Power Input (Nominal)	Cooling	W	30.00	35.00	62.00
		Heating	W	30.00	35.00	62.00
	Current Input (Nominal)	Cooling	A	0.25	0.29	0.49
		Heating	A	0.25	0.29	0.49
Fan	Motor	Type	-	Turbo Fan	Turbo Fan	
		Output	W	37 x 1	37 x 1	37 x 1
	Air Flow Rate	High / Mid / Low (UL)	CMM	7.00/6.00/5.00	8.50/7.50/6.50	13.00/11.50/10.00
			l/s	116.67/100.00/83.33	141.67/125.00/108.33	216.67/191.67/166.67
External Static 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	12.70	12.70	12.70	
		Φ, inch	1/2"	1/2"	1/2"	
Drain Pipe	Φ, mm	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE		
Field Wiring	Power Source Wire	Below 20m / Over 20m	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	0.75 ~ 1.50
Refrigerant	Type	-	R410A	R410A	R410A	
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	
Sound	Sound Pressure	High / Mid / Low	dBA	38.0/36.0/34.0	39.0/37.0/34.0	43.0/40.0/37.0
	Sound Power	High / Mid / Low	dBA	-	-	-
Dimensions	Net Weight		kg	16.00	16.00	16.00
	Shipping Weight		kg	21.00	21.00	21.00
	Net Dimensions (WxHxD)		mm	720 x 620 x 199	720 x 620 x 199	720 x 620 x 199
	Shipping Dimensions (WxHxD)		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 (WxHxD)		mm	-	-	-
Shipping Dimensions (WxHxD)		mm	-	-	-	
Additional Accessories	Drain Pump	Drain Pump	-	-	-	
		Max. Lifting Height / Displacement	mm / liter/h	-	-	-
Air Filter	-	-	-	-		

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### Optional Accessories

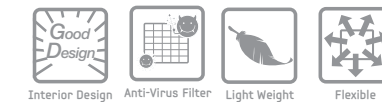


### Standard Accessories



## Ceiling

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



Model			AM056FNCDEH	AM071FNCDEH	
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	
		Output	W	60 x 1	120 x 1
	Air Flow Rate	High / Mid / Low (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 Static 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"	
Drain Pipe	Φ, mm	ID 18 HOSE	ID 18 HOSE		
Field Wiring	Power Source Wire	Below 20m / Over 20m	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	dBA	40.0/37.0/34.0	44.0/42.0/40.0
	Sound Power	High / Mid / Low	dBA	-	-
Dimensions	Net Weight		kg	21.00	21.00
	Shipping Weight		kg	25.50	25.50
	Net Dimensions (WxHxD)		mm	1000 x 650 x 200	1000 x 650 x 200
	Shipping Dimensions (WxHxD)		mm	1080 x 730 x 300	1080 x 730 x 300
Panel Size	Panel Model	-	-	-	
	Panel Net Weight		kg	-	-
	Shipping Weight		kg	-	-
	Net Dimensions (WxHxD)		mm	-	-
Shipping Dimensions (WxHxD)		mm	-	-	
Additional Accessories	Drain Pump	Drain Pump	-	-	
		Max. Lifting Height / Displacement	mm / liter/h	-	-
Air Filter	-	-	-		

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### Optional Accessories



# DVMS Specification - Indoor Units

# DVMS Specification - ERV Plus



## Concealed Floor Standing

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



Model		AM036FNFDEH	AM056FNFDEH	AM071FNFDEH	
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	3.60	
		Btu/h	12,300	19,100	
	Heating	kW	4.00	6.30	
		Btu/h	13,600	21,500	
Power	Power Input (Nominal)	Cooling	W	50.00	
		Heating	50.00	110.00	
	Current Input (Nominal)	Cooling	A	0.24	
		Heating	0.24	0.53	
Fan	Motor	Type	-	Sirocco Fan	
		Output	W	-	
	Air Flow Rate	High / Mid / Low (UL)	CMM	11.00/-	16.50/-
		l/s	183.33/-	275.00/-	316.67/-
External Static 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	12.70	12.70	
		Φ, inch	1/2"	1/2"	
Drain Pipe	Φ, mm	ID 18 HOSE	ID 18 HOSE		
	Φ, inch	3/8"	3/8"		
Field Wiring	Power Source Wire	Below 20m / Over 20m	mm <sup>2</sup>	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	dBA	37.0/32.0/27.0	
	Sound Power	High / Mid / Low	dBA	-	
Dimensions	Net Weight	kg	23.00	28.50	
	Shipping Weight	kg	27.00	33.30	
	Net Dimensions (WxHxD)	mm	945 x 600 x 220	1225 x 600 x 220	
	Shipping Dimensions (WxHxD)	mm	1035 x 690 x 310	1335 x 690 x 310	
Panel Size	Panel Model	-	-	-	
	Panel Net Weight	kg	-	-	
	Shipping Weight	kg	-	-	
	Net Dimensions (WxHxD)	mm	-	-	
Additional Accessories	Drain Pump	Max. Lifting Height / Displacement	mm / liter/h	-	
		mm / liter/h	-	-	
Air Filter	-	-	-		

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### Optional Accessories



## ERV PLUS

- Humidifier element (Optional)
- CO<sub>2</sub> Sensor (Optional)
- Slim Design
- Virus Doctor (Optional)
- Direct Expansion (DX) Coil
- New Diamond Type Element
- New Communication Protocol

Model		AM050FNKDEH	AM100FNKDEH		
Power Supply		Φ, #, V, Hz	1,2,220-240,50		
Mode		-	HP/HR		
Performance	Capacity (Nominal)	Cooling	kW	5.10	
		Btu/h	17,400	35,800	
	Heating	kW	6.50	13.20	
		Btu/h	22,200	45,000	
Power	Power Input (Nominal)	Cooling	W	220.00	
		Heating	220.00	510.00	
	Current Input (Nominal)	Cooling	A	1.70	
		Heating	1.70	3.70	
Fan	Motor	Type	-	Sirocco Fan / BLDC	
		Output	W	60 x 2	
	Air Flow Rate	High / Mid / Low (UL)	CMM	8.33/-	16.67/-
		l/s	138.89/-	277.78/-	
External Static Pressure	Min. / Std. / Max.	mmAq	0.00/-15.00	0.00/-15.00	
	Pa	0.00/-147.10	0.00/-147.10		
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"	
Drain Pipe	Φ, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)		
	Φ, inch	1.5 ~ 2.5	1.5 ~ 2.5		
Field Wiring	Power Source Wire	Below 20m / Over 20m	mm <sup>2</sup>	1.5 ~ 2.5	
		mm <sup>2</sup>	0.75 ~ 1.50	0.75 ~ 1.50	
Refrigerant	Type	-	R410A		
	Control Method	-	EEV INCLUDED		
Sound	Sound Pressure	High / Mid / Low	dBA	38.5/-	
	Sound Power	High / Mid / Low	dBA	-	
Dimensions	Net Weight	kg	61.00		
	Shipping Weight	kg	75.20		
	Net Dimensions (WxHxD)	mm	1553 x 270 x 1000		
	Shipping Dimensions (WxHxD)	mm	1847 x 349 x 1300		
Panel Size	Panel Model	-	-		
	Panel Net Weight	kg	-		
	Shipping Weight	kg	-		
	Net Dimensions (WxHxD)	mm	-		
Additional Accessories	Drain Pump	Max. Lifting Height / Displacement	mm / liter/h	-	
		mm / liter/h	-	-	
Air Filter	-	-	-		

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### Optional Accessories



# DVM Plus IV Specification - Indoor Units



## DVM Hydro

- 50°C Hot Water Supply
- Integrated Control System



## Concealed Floor Standing(DVM Plus IV)

- Ideal for installation beneath a window
- Ideal for perimeter refurbishments



Model		ADN160BDEHA	ADN320BDEHA	ADN500BDEHA		
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	14.00	28.00	44.80
		Btu/h	47,800	95,500	152,900	
	Heating	kW	16.00	31.00	50.40	
		Btu/h	54,600	105,800	172,000	
Power	Power Input (Nominal)	Cooling	W	-	-	-
		Heating	W	-	-	-
	Current Input (Nominal)	Cooling	A	-	-	-
		Heating	A	-	-	-
Fan	Motor	Type	-	-	-	
		Output	W	-	-	-
	Air Flow Rate	High / Mid / Low (UL)	CMM	-	-	-
		l/s	-	-	-	
External Static Pressure	Min. / Std. / Max.	mmAq	-	-	-	
	Pa	-	-	-		
Piping Connections	Liquid Pipe	Φ, mm	9.52	9.52	12.70	
		Φ, inch	3/8"	3/8"	1/2"	
	Gas Pipe	Φ, mm	15.88	22.23	28.58	
		Φ, inch	5/8"	7/8"	1 1/8"	
Field Wiring	Power Source Wire	Below 20m / Over 20m	mm <sup>2</sup>	-	-	-
	Transmission Cable	mm <sup>2</sup>	-	-	-	
Refrigerant	Type	-	R410A	R410A	R410A	
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	
Sound	Sound Pressure	High / Mid / Low	dBA	-	-	-
	Sound Power	High / Mid / Low	dBA	-	-	-
Dimensions	Net Weight	kg	33.00	35.00	45.00	
	Shipping Weight	kg	38.00	40.00	50.00	
	Net Dimensions (WxHxD)	mm	518 x 626 x 333	518 x 626 x 333	518 x 626 x 333	
	Shipping Dimensions (WxHxD)	mm	615 x 667 x 380	615 x 667 x 380	615 x 667 x 380	
Panel Size	Panel Model	-	-	-	-	
	Panel Net Weight	kg	-	-	-	
	Shipping Weight	kg	-	-	-	
	Net Dimensions (WxHxD)	mm	-	-	-	
Additional Accessories	Drain Pump	Drain Pump	-	-	-	
	Max. Lifting Height / Displacement	mm / liter/h	-	-	-	
Air Filter		-	-	-		

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### Optional Accessories



MWR-WW00

Model		AM036BFDEH	AM056BFDEH	AM071BFDEH		
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	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	
		Output	W	-	-	-
	Air Flow Rate	High / Mid / Low (UL)	CMM	11.00/-/-	16.50/-/-	19.00/-/-
		l/s	183.33/-/-	275.00/-/-	316.67/-/-	
External Static Pressure	Min. / Std. / Max.	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	Below 20m / Over 20m	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	dBA	37.0/32.0/27.0	40.0/36.0/32.0	40.0/36.0/32.0
	Sound Power	High / Mid / Low	dBA	-	-	-
Dimensions	Net Weight	kg	23.00	28.50	28.50	
	Shipping Weight	kg	27.00	33.30	33.30	
	Net Dimensions (WxHxD)	mm	945 x 600 x 220	1225 x 600 x 220	1225 x 600 x 220	
	Shipping Dimensions (WxHxD)	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 (WxHxD)	mm	-	-	-	
Additional Accessories	Drain Pump	Drain Pump	-	-	-	
	Max. Lifting Height / Displacement	mm / liter/h	-	-	-	
Air Filter		-	-	-		

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### Optional Accessories



MWR-WE10

MR-DH00

MRK-A00

MFRW-10A



**FJM** Lineup - Outdoor Units

**FJM** Lineup & Feature - Indoor Units

**FREE JOINT MULTI**

4kW

5kW

5.2kW



6.8kW

7kW


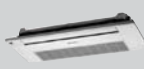





8kW









10kW



**Cassette**



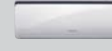













MODEL	 Mini 4Way S	 Slim 1Way
CAPACITY	1.6	•
	2.0	•
	2.6	•
	3.0	•
	3.5	•
	5.2	•
FEATURES	 Powerful Airflow	•
	 Ceiling Dust Prevention	•
	 High Lift-up Drain Pump	•
	 Sub Duct	•
	 Fresh Air Intake	•

**Duct**







MODEL	 MSP	 Slim
CAPACITY	2.6	•
	3.5	•
	5.2	•
FEATURES	 Pre Filter	•
	 Easy Filter Cleaning	•
	 High Lift-Up Drain Pump	•
	 Smart Pressure Control	•

# FJM Lineup & Feature - Indoor Units

## Wall-mounted

MODEL							
CAPACITY	2.0		•	•	•		•
	2.6	•	•	•	•	•	•
	3.5	•	•	•	•	•	•
	5.2	•	•	•	•	•	•
	7.0		•	•		•	
FEATURES	 Virus Doctor	•			•	•	
	 Full HD Filter	•	•	•		•	
	 Deodorizing Filter				•		•
	 Catechin Filter				•		
	 Smart Inverter	•	•	•	•	•	•
	 d'light Cool	•			•	•	
	 good'sleep	•	•	•	•	•	•
	 Wide Twin Blade	•					
	 3D Wind	•					
	 Turbo Cooling	•	•	•	•	•	

## Console

MODEL		
CAPACITY	2.6	•
	3.5	•
	5.2	•
FEATURES	 Virus Doctor	•
	 Interior Design	•
	 Anti-virus Filter	•
	 Lightweight Unit	•
	 Flexible Pipe Installation	•

# FJM Specification - Outdoor Units



## Free Joint Multi

- One Outdoor Unit, Multiple Indoor Units
- Universal Indoor Units
- Twin BLDC Compressor
- Sine Wave Controller
- Sound Insulator for the Compressor
- Easy Installation

Model Name		AJ040FCJ2EH		AJ050FCJ2EH		AJ052FCJ3EH		AJ068FCJ3EH	
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			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP	HP	1.50	1.80	2.00	2.50	2.50	2.50	2.50
		kW	4.00	5.00	5.20	6.80	6.80	6.80	
	Capacity (Nominal)	Cooling	Btu/h	13,600	17,100	17,700	23,200	23,200	23,200
		Heating	Btu/h	15,000	19,400	21,500	27,300	27,300	27,300
Power	Power Input (Nominal)	Cooling	kW	1.02	1.32	1.35	2.00	2.00	2.00
		Heating	kW	0.99	1.35	1.40	1.91	1.91	1.91
	Current Input (Nominal)	Cooling	A	4.70	6.00	6.20	9.20	9.20	9.20
		Heating	A	4.50	6.20	6.40	8.70	8.70	8.70
	MCA	A	9.80 (MCA)	11.80 (MCA)	12.20 (MCA)	15.44 (MCA)	15.44 (MCA)	15.44 (MCA)	
	MFA	A	11.25	13.75	13.75	17.50	17.50	17.50	
COP	Nominal Cooling	-	3.92	3.79	3.85	3.40	3.40	3.40	
	Nominal Heating	-	4.44	4.22	4.50	4.19	4.19	4.19	
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	Twin BLDC Rotary x 1	
	Output	kW x n	(4.45)	(4.45)	(1.79)	(1.79)	(1.79)	(1.79)	
	Model Name	-	UG4T150FUDJQSS x 1	UG4T150FUDJQSS x 1	UG4T200FUAJ4SS x 1	UG4T200FUAJ4SS x 1	UG4T200FUAJ4SS x 1	UG4T200FUAJ4SS x 1	
	Oil	Type	POE	POE	POE	POE	POE	POE	
	Initial Charge	cc	650	650	650	650	650	650	
Fan	Type	-	Propeller Fan/BLDC	Propeller Fan/BLDC	Propeller Fan/BLDC	Propeller Fan/BLDC	Propeller Fan/BLDC	Propeller Fan/BLDC	
	Output x n	W	35 x 1	35 x 1	45 x 1	124 x 1	124 x 1	124 x 1	
	Air Flow Rate	CMM	30	33	38	48	48	48	
		l/s	506.67	551.67	633.33	791.67	791.67	791.67	
Piping Connections	Liquid Pipe	Φ, mm x EA	6.35 x 2	6.35 x 2	6.35 x 3	6.35 x 3	6.35 x 3	6.35 x 3	
		Φ, inch x EA	1/4" x 2	1/4" x 2	1/4" x 3	1/4" x 3	1/4" x 3	1/4" x 3	
	Gas Pipe	Φ, mm x EA	9.52 x 2	9.52 + 12.70	9.52 x 2 + 12.70	9.52 + 12.70 x 2	9.52 + 12.70 x 2	9.52 + 12.70 x 2	
		Φ, inch x EA	3/8" x 2	3/8" + 1/2"	3/8" x 2 + 1/2"	3/8" + 1/2" x 2	3/8" + 1/2" x 2	3/8" + 1/2" x 2	
	Installation Limitation	Max. Length	m	20(25)	20(25)	20(25)	20(25)	20(25)	
		Max. Height	m	15(15)	15(15)	15(15)	15(15)	15(15)	
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		
	Transmission Cable	mm <sup>2</sup>	0.75 ~ 1.0	0.75 ~ 1.0	0.75 ~ 1.0	0.75 ~ 1.0	0.75 ~ 1.0		
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A		
	Factory Charging	kg	1.30	1.60	2.20	2.20	2.20		
Sound	Sound Pressure	dB(A)	61.0	61.0	61.0	63.0	63.0		
	Sound Power	dB(A)	-	-	-	-	-		
External Dimension	Net Weight	kg	37.0	40.0	49.0	57.0	57.0		
	Shipping Weight	kg	40.0	43.0	53.0	61.0	61.0		
	Net Dimensions (WxHxD)	mm	790 x 545 x 285	790 x 545 x 285	880 x 638 x 310	880 x 798 x 310	880 x 798 x 310		
	Shipping Dimensions (WxHxD)	mm	926 x 599 x 382	926 x 599 x 382	1,053 x 695 x 413	1,023 x 889 x 413	1,023 x 889 x 413		
Operating Temp. Range	Cooling	°C	-5.0 ~ 46.0	-5.0 ~ 46.0	-5.0 ~ 46.0	-5.0 ~ 46.0	-5.0 ~ 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 - Outdoor Units



## Free Joint Multi

- One Outdoor Unit, Multiple Indoor Units
- Universal Indoor Units
- Twin BLDC Compressor
- Sine Wave Controller
- Sound Insulator for the Compressor
- Easy Installation

Model Name	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	HP	2.50	3.00	3.50	3.50	
		Capacity (Nominal)					
	Cooling	kW	7.00	8.00	10.00	10.00	
		Btu/h	23,900	27,300	34,100	34,100	
Heating	kW	8.60	9.30	12.00	12.00		
	Btu/h	29,300	31,700	40,900	40,900		
Power	Power Input (Nominal)	Cooling	1.90	2.30	2.90	2.90	
		Heating	2.00	2.20	2.93	2.93	
	Current Input (Nominal)	Cooling	8.70	10.50	13.30	13.30	
		Heating	9.20	10.10	13.40	13.40	
	MCA		18.68 (MCA)	18.68 (MCA)	26.12 (MCA)	26.12 (MCA)	
	MFA		20.75	20.75	28.75	28.75	
COP	Nominal Cooling	-	3.68	3.48	3.45	3.45	
	Nominal Heating	-	4.30	4.23	4.10	4.10	
Compressor	Type	-	Twin BLDC Rotary x 1	Twin BLDC Rotary x 1	Twin BLDC Rotary x 1	Twin BLDC Rotary x 1	
	Output	kW x n	(7.77)	(7.77)	(11.37)	(11.37)	
	Model Name	-	G8T260FUAEW-SS x 1	G8T260FUAEW-SS x 1	UG8T300FUBJUSG x 1	UG8T300FUBJUSG x 1	
	Oil	Type	-	POE	POE	POE	
	Initial Charge	cc	700	700	1200	1200	
Fan	Type	-	Propeller Fan/BLDC	Propeller Fan/BLDC	Propeller Fan/BLDC	Propeller Fan/BLDC	
	Output x n	W	124 x 1	124 x 1	150 x 1	150 x 1	
	Air Flow Rate	CMM	46	47	71	71	
		l/s	770.00	781.67	1,176.67	1,176.67	
External Static Pressure	Max.	mmAq	-	-	-	-	
		Pa	-	-	-	-	
Piping Connections	Liquid Pipe	Φ, mm x EA	6.35 x 4	6.35 x 4	6.35 x 5	6.35 x 5	
		Φ, inch x EA	1/4" x 4	1/4" x 4	1/4" x 5	1/4" x 5	
	Gas Pipe	Φ, mm x EA	9.52 x 2 + 12.70 x 2	9.52 x 2 + 12.70 x 2	9.52 x 2 + 12.70 x 3	9.52 x 2 + 12.70 x 3	
		Φ, inch x EA	3/8" x 2 + 1/2" x 2	3/8" x 2 + 1/2" x 2	3/8" x 2 + 1/2" x 3	3/8" x 2 + 1/2" x 3	
	Installation Limitation	Max. Length	m	25(30)	25(30)	25(30)	25(30)
		Max. Height	m	15(15)	15(15)	15(15)	15(15)
Field Wiring	Power Source Wire	mm2	2.5 ~ 2.5	2.5 ~ 2.5	4.0 ~ 4.0	4.0 ~ 4.0	
	Transmission Cable	mm2	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	2.80	2.80	3.30	3.30	
Sound	Sound Pressure	dB(A)	63.0	63.0	70.0	70.0	
	Sound Power	dB(A)	-	-	-	-	
External Dimension	Net Weight	kg	65.0	65.0	74.5	74.5	
	Shipping Weight	kg	70.0	70.0	80.0	80.0	
	Net Dimensions (WxHxD)	mm	880 x 798 x 310	880 x 798 x 310	940 x 998 x 330	940 x 998 x 330	
	Shipping Dimensions (WxHxD)	mm	1,023 x 889 x 413	1,023 x 889 x 413	995 x 1,096 x 426	995 x 1,096 x 426	
Operating Temp. Range	Cooling	°C	-5.0 ~ 46.0	-5.0 ~ 46.0	-10.0 ~ 46.0	-10.0 ~ 46.0	
	Heating	°C	-15.0 ~ 24.0	-15.0 ~ 24.0	-15.0 ~ 24.0	-15.0 ~ 24.0	

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# FJM Specification - Indoor Units



## Mini 4Way Cassette S

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



Model		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	1.60	2.00	2.60	3.50	5.20
		Heating	2.00	2.20	2.90	3.80	5.60
	Power Input (Nominal)	Cooling	19.00	19.00	19.00	22.00	28.00
		Heating	19.00	19.00	19.00	22.00	28.00
Power	Current Input (Nominal)	Cooling	0.51	0.51	0.51	0.52	0.53
		Heating	0.51	0.51	0.51	0.52	0.53
	Motor	Type	-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
		Output	W	65 x 1	65 x 1	65 x 1	65 x 1
Fan	Air Flow Rate	High / Mid / Low (UL)	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
	External Static 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	Below 20m / Over 20m	mm <sup>2</sup>	1	1	1	1
	Transmission Cable		mm <sup>2</sup>	0.75 ~ 1	0.75 ~ 1	0.75 ~ 1	0.75 ~ 1
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	dBA	34.0/29.0/27.0	34.0/29.0/27.0	34.0/29.0/27.0	36.0/32.0/28.0
	Sound Power	High / Mid / Low	dBA	-	-	-	-
Dimensions	Net Weight		kg	11.00	11.00	11.00	11.70
	Shipping Weight		kg	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
	Shipping Dimensions (WxHxD)		mm	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
	Panel Net Weight		kg	2.70	2.70	2.70	2.70
	Shipping Weight		kg	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
	Shipping Dimensions (WxHxD)		mm	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	-	-	-	-	-
	Max. Lifting Height / Displacement	mm / liter/h	-	-	-	-	-
	Air Filter		-	-	-	-	-

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### Optional Accessories





# FJM Specification - Indoor Units

## Slim 1Way Cassette



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



Model			MH026FSEA	MH035FSEA	
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	45.00	50.00	
		Heating	45.00	50.00	
	Current Input (Nominal)	Cooling	0.23	0.25	
		Heating	0.23	0.25	
Fan	Motor	Type	-	Crossflow Fan	
		Output	W	80 x 1	
	Air Flow Rate	High / Mid / Low (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 Static 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 26, ID 20)	VP20 (OD 26, ID 20)		
Field Wiring	Power Source Wire	Below 20m / Over 20m	mm <sup>2</sup>	1.5 ~ 2.5	
	Transmission Cable		mm <sup>2</sup>	0.75 ~ 1.50	
Refrigerant	Type		-	R410A	
	Control Method		-	EEV NOT INCLUDED	
Sound	Sound Pressure	High / Mid / Low	dBA	30.0/28.0/25.0	
	Sound Power	High / Mid / Low	dBA	-	
Dimensions	Net Weight		kg	11.00	
	Shipping Weight		kg	14.00	
	Net Dimensions (WxHxD)		mm	970 x 135 x 410	
	Shipping Dimensions (WxHxD)		mm	1164 x 212 x 478	
Panel Size	Panel Model		-	PSSMA	
	Panel Net Weight		kg	3.10	
	Shipping Weight		kg	4.50	
	Net Dimensions (WxHxD)		mm	1180 x 25 x 460	
Shipping Dimensions (WxHxD)		mm	1259 x 144 x 539		
Additional Accessories	Drain Pump	Drain Pump	-	-	
	Air Filter	Max. Lifting Height / Displacement	mm / liter/h	-	

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### Optional Accessories



# FJM Specification - Indoor Units

## MSP Duct



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



## Slim Duct



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



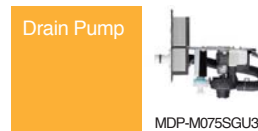
Model		MH052FUEA		
Power Supply	Φ, #, V, Hz	1,2,220-240,50		
Mode	-	HP/HR		
Performance	Capacity (Nominal)	Cooling	kW	
			Btu/h	
		Heating	kW	
			Btu/h	
Power	Power Input (Nominal)	Cooling	W	
		Heating	W	
	Current Input (Nominal)	Cooling	A	
		Heating	A	
Fan	Motor	Type	-	
		Output	W	
	Air Flow Rate	High / Mid / Low (UL)	CMM	16.30/15.00/13.50
			l/s	271.67/250.00/225.00
External Static Pressure	Min. / Std. / Max.	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"	
Drain Pipe	Φ, mm	VP25 (OD 32, ID 25)		
Field Wiring	Power Source Wire	Below 20m / Over 20m	mm <sup>2</sup>	
	Transmission Cable		mm <sup>2</sup>	
Refrigerant	Type	-	R410A	
	Control Method	-	EEV NOT INCLUDED	
Sound	Sound Pressure	High / Mid / Low	dBA	
	Sound Power	High / Mid / Low	dBA	
Dimensions	Net Weight		kg	
	Shipping Weight		kg	
	Net Dimensions (WxHxD)		mm	
	Shipping Dimensions (WxHxD)		mm	
Panel Size	Panel Model	-	-	
	Panel Net Weight		kg	
	Shipping Weight		kg	
	Net Dimensions (WxHxD)		mm	
	Shipping Dimensions (WxHxD)		mm	
Additional Accessories	Drain Pump	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.

Model		NJ026LHXEA		NJ035LHXEA	
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	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	W	80 x 1	80 x 1
	Air Flow Rate	High / Mid / Low (UL)	CMM	8.60/7.60/6.60	9.80/8.80/7.80
			l/s	143.33/126.67/110.00	163.33/146.67/130.00
External Static Pressure	Min. / Std. / Max.	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"	
Drain Pipe	Φ, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)		
Field Wiring	Power Source Wire	Below 20m / Over 20m	mm <sup>2</sup>	1.5 ~ 2.5	
	Transmission Cable		mm <sup>2</sup>	0.75 ~ 1.50	
Refrigerant	Type	-	R410A	R410A	
	Control Method	-	EEV NOT INCLUDED	EEV NOT INCLUDED	
Sound	Sound Pressure	High / Mid / Low	dBA	30.0/28.0/25.0	
	Sound Power	High / Mid / Low	dBA	-	
Dimensions	Net Weight		kg	26.00	
	Shipping Weight		kg	31.00	
	Net Dimensions (WxHxD)		mm	900 x 199 x 600	
	Shipping Dimensions (WxHxD)		mm	1133 x 330 x 730	
Panel Size	Panel Model	-	-	-	
	Panel Net Weight		kg	-	
	Shipping Weight		kg	-	
	Net Dimensions (WxHxD)		mm	-	
	Shipping Dimensions (WxHxD)		mm	-	
Additional Accessories	Drain Pump	Drain Pump	-	MDP-E075SEE3	
	Max. Lifting Height / Displacement	mm / liter/h	-	-	
	Air Filter	-	-	-	

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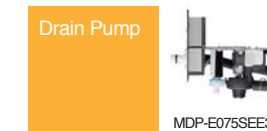
### Optional Accessories



### Standard Accessories



### Optional Accessories



### Standard Accessories



# FJM Specification - Indoor Units

## Y Series (Jungfrau Premium)



- Virus Doctor
- Smart Inverter
- good' sleep
- Wide Twin Blade
- Full HD Filter
- d'light cool
- 3D Wind
- Turbo Cooling
- Wifi



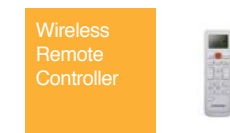
Model			AR09FSSYAWTNEU	AR12FSSYAWTNEU	AR18FSSYAWTNEU	
Power Supply	Φ, #, V, Hz		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	
Mode			HP/HR	HP/HR	HP/HR	
Performance	Capacity (Nominal)	Cooling	2.50	3.50	5.00	
		Btu/h	8,500	11,900	17,100	
	Heating	kW	3.20	4.00	6.00	
		Btu/h	10,900	13,600	20,500	
Power	Power Input (Nominal)	Cooling	50.00	50.00	50.00	
		Heating	50.00	50.00	50.00	
	Current Input (Nominal)	Cooling	0.40	0.40	0.40	
		Heating	0.40	0.40	0.40	
Fan	Motor	Type	-	Crossflow Fan	Crossflow Fan	
		Output	W	27 x 1	27 x 1	
	Air Flow Rate	High / Mid / Low (UL)	CMM	11.60/10.30/9.00	13.80/11.40/9.00	14.50/12.80/11.00
		l/s		193.33/171.67/150.00	230.00/190.00/150.00	241.67/213.33/183.33
External Static 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	Below 20m / Over 20m	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	dBA	39.0/30.0/21.0	41.0/31.0/21.0	
	Sound Power	High / Mid / Low	dBA	-	-	
Dimensions	Net Weight		kg	10.50	11.20	
	Shipping Weight		kg	13.00	14.00	
	Net Dimensions (WxHxD)		mm	880 x 313 x 237	880 x 313 x 237	
	Shipping Dimensions (WxHxD)		mm	954 x 381 x 317	954 x 381 x 317	
Panel Size	Panel Model		-	-	-	
	Panel Net Weight		kg	-	-	
	Shipping Weight		kg	-	-	
	Net Dimensions (WxHxD)		mm	-	-	
Additional Accessories	Drain Pump	Drain Pump	-	-	-	
	Max. Lifting Height / Displacement	mm / liter/h	-	-	-	
	Air Filter		-	-	-	

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### Optional Accessories



### Standard Accessories



# FJM Specification - Indoor Units



## P Series (Maldives)

- Full HD Filter
- Smart Inverter
- Turbo Cooling
- Smart Inverter
- good<sup>o</sup> sleep



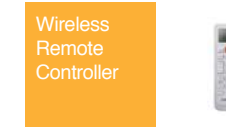
Model		AR07FSFPDGMNEU	AR09FSFPK(D)GMNET	AR12FSFPK(D)GMNET	AR18FSFPDGMNEU	AR24FSFPDGMNEU		
Power Supply	Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50		
Mode		HP/HR	HP/HR	HP/HR	HP/HR	HP/HR		
Performance	Capacity (Nominal)	Cooling	2.00	2.50	3.50	5.00	6.80	
		Heating	2.20	3.30	4.00	6.00	7.80	
	Power Input (Nominal)	Cooling	30.00	35.00	40.00	35.00	53.00	
		Heating	30.00	35.00	40.00	35.00	53.00	
Power	Current Input (Nominal)	Cooling	0.18	0.19	0.20	0.30	0.46	
		Heating	0.18	0.19	0.20	0.30	0.46	
	Motor	Type	-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	
		Output	W	23 x 1	23 x 1	23 x 1	27 x 1	
Fan	Air Flow Rate	High / Mid / Low (UL)	CMM	7.90/7.00/6.10	9.40/8.70/7.90	10.10/9.00/7.90	14.20/12.30/11.20	17.80/14.30/10.60
	External Static 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	12.70	12.70	15.88	
		Φ, inch	3/8"	3/8"	3/8"	1/2"	5/8"	
Field Wiring	Power Source Wire	Below 20m / Over 20m	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	dBA	36.0/29.0/21.0	37.0/-/25.0	38.0/-/25.0	39.0/-/26.0	44.0/-/28.0
	Sound Power	High / Mid / Low	dBA	-	-	-	-	-
Dimensions	Net Weight		kg	9.00	9.00	9.00	13.00	13.00
	Shipping Weight		kg	11.00	11.00	11.00	16.00	16.00
	Net Dimensions (WxHxD)		mm	820 x 286 x 205	820 x 285 x 205	820 x 285 x 205	1065 x 298 x 230	1065 x 298 x 230
	Shipping Dimensions (WxHxD)		mm	892 x 355 x 263	892 x 355 x 263	892 x 355 x 263	1137 x 377 x 299	1137 x 377 x 299
Panel Size	Panel Model		-	-	-	-	-	-
	Panel Net Weight		kg	-	-	-	-	-
	Shipping Weight		kg	-	-	-	-	-
	Net Dimensions (WxHxD)		mm	-	-	-	-	-
Additional Accessories	Drain Pump	Drain Pump		-	-	-	-	-
	Air Filter	Max. Lifting Height / Displacement	mm / liter/h	-	-	-	-	-

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### Optional Accessories



### Standard Accessories



# FJM Specification - Indoor Units



## P Plus Series

- Full HD Filter
- Smart Inverter
- Turbo Cooling
- Smart Inverter
- good<sup>+</sup> sleep



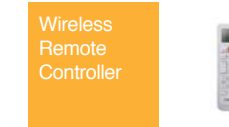
Model		AR07FSFPESNNEU	AR09FSFPESNNEU	AR12FSFPESNNEU	AR18FSFPESNNEU	AR24FSFPESNNEU		
Power Supply	Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50		
Mode		HP/HR	HP/HR	HP/HR	HP/HR	HP/HR		
Performance	Capacity (Nominal)	Cooling	2.00	2.50	3.50	5.00	6.80	
		Heating	2.20	3.30	4.00	6.00	7.80	
	Power Input (Nominal)	Cooling	30.00	35.00	40.00	35.00	53.00	
		Heating	30.00	35.00	40.00	35.00	53.00	
Power	Current Input (Nominal)	Cooling	0.18	0.19	0.20	0.30	0.46	
		Heating	0.18	0.19	0.20	0.30	0.46	
	Motor	Type	-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	
		Output	W	23 x 1	23 x 1	23 x 1	27 x 1	
Fan	Air Flow Rate	High / Mid / Low (UL)	CMM	7.90/7.00/6.10	9.40/8.70/7.90	10.10/9.00/7.90	14.20/12.30/11.20	17.80/14.30/10.60
	External Static 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	12.70	12.70	15.88	
		Φ, inch	3/8"	3/8"	3/8"	1/2"	5/8"	
	Drain Pipe	Φ, mm	VP18 (OD 19, ID 16)	VP18 (OD 19, ID 16)	VP18 (OD 19, ID 16)	VP18 (OD 19, ID 16)	VP18 (OD 19, ID 16)	
Field Wiring	Power Source Wire	Below 20m / Over 20m	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	dBA	36.0/29.0/21.0	36.0/-/25.0	38.0/-/25.0	39.0/-/26.0	
	Sound Power	High / Mid / Low	dBA	-	-	-	-	
Dimensions	Net Weight		kg	9.00	9.00	9.00	13.00	
	Shipping Weight		kg	11.00	11.00	11.00	16.00	
	Net Dimensions (WxHxD)		mm	820 x 285 x 205	820 x 285 x 205	820 x 285 x 205	1065 x 298 x 230	
	Shipping Dimensions (WxHxD)		mm	892 x 355 x 263	892 x 355 x 263	892 x 355 x 263	1137 x 377 x 299	
Panel Size	Panel Model		-	-	-	-	-	
	Panel Net Weight		kg	-	-	-	-	
	Shipping Weight		kg	-	-	-	-	
	Net Dimensions (WxHxD)		mm	-	-	-	-	
	Shipping Dimensions (WxHxD)		mm	-	-	-	-	
Additional Accessories	Drain Pump	Drain Pump		-	-	-	-	
	Max. Lifting Height / Displacement	mm / liter/h		-	-	-	-	
	Air Filter			-	-	-	-	

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### Optional Accessories



### Standard Accessories



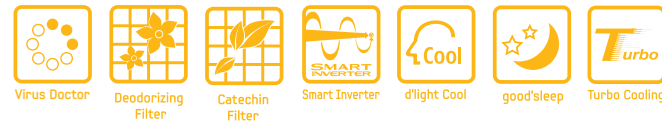


# FJM Specification - Indoor Units

## Crystal



- Catechin Filter
- good'sleep
- Filter Cleaning Indicator
- Smart Inverter
- Turbo Cooling
- Deodorizing Filter



Model			MH020FAEA	MH026FAEA	MH035FAEA	MH052FAEA
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	2.00	2.60	3.50	5.20
		Heating	2.20	2.90	3.80	5.60
	Power Input (Nominal)	Cooling	30.00	30.00	35.00	50.00
		Heating	30.00	30.00	35.00	50.00
Current Input (Nominal)	Cooling	0.18	0.18	0.19	0.30	
	Heating	0.18	0.18	0.19	0.30	
Fan	Motor	Type	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
		Output	23 x 1	23 x 1	23 x 1	40 x 1
	Air Flow Rate	High / Mid / Low (UL)	7.90/6.90/5.90	9.10/8.10/7.10	9.80/8.80/7.80	14.20/12.50/10.70
		External Static Pressure	131.67/115.00/98.33	151.67/135.00/118.33	163.33/146.67/130.00	236.67/208.33/178.33
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	9.52	12.70
		Φ, inch	3/8"	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)	VP18 (OD 19,ID 16)	
Field Wiring	Power Source Wire	Below 20m / Over 20m	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable		0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
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	31.0/26.0/21.0	31.0/26.0/21.0	35.0/28.0/21.0	40.0/35.0/30.0
	Sound Power	High / Mid / Low	-	-	-	-
Dimensions	Net Weight		9.00	9.00	9.00	13.00
	Shipping Weight		11.00	11.00	11.00	16.00
	Net Dimensions (WxHxD)		820 x 286 x 190	820 x 286 x 190	820 x 286 x 190	1099 x 315 x 217
	Shipping Dimensions (WxHxD)		892 x 355 x 263	892 x 355 x 263	892 x 355 x 263	1137 x 377 x 399
Panel Size	Panel Model		-	-	-	-
	Panel Net Weight		-	-	-	-
	Shipping Weight		-	-	-	-
	Net Dimensions (WxHxD)		-	-	-	-
Additional Accessories	Drain Pump	Drain Pump	-	-	-	-
	Air Filter	Max. Lifting Height / Displacement	mm / liter/h	-	-	-

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### Optional Accessories



### Standard Accessories



# FJM Specification - Indoor Units

## New Crystal



- good'sleep
- Filter Cleaning Indicator
- Full HD Filter
- Smart Inverter
- Turbo Cooling
- Wifi



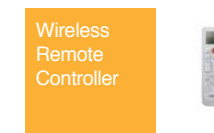
Model			AR09FSSSEDWUNEU	AR12FSSSEDWUNEU	AR18FSSSEDWUNEU	AR24FSSSEDWUNEU	
Power Supply	Φ, #, V, Hz		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	
Mode			HP/HR	HP/HR	HP/HR	HP/HR	
Performance	Capacity (Nominal)	Cooling	kW	2.50	3.50	5.00	6.80
		Btu/h	8,500	11,900	17,100	23,200	
	Heating	kW	3.20	4.00	6.00	7.80	
		Btu/h	10,900	13,600	20,500	26,600	
Power	Power Input (Nominal)	Cooling	W	-	-	-	-
		Heating	W	-	-	-	-
	Current Input (Nominal)	Cooling	A	-	-	-	-
		Heating	A	-	-	-	-
Fan	Motor	Type	-	-	-	-	
		Output	W	-	-	-	-
	Air Flow Rate	High / Mid / Low (UL)	CMM	-	-	-	-
		l/s	-	-	-	-	
External Static 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	9.52	15.88	
		Φ, inch	3/8"	3/8"	3/8"	5/8"	
Drain Pipe	Φ, mm	VP18 (OD 19, ID 16)	VP18 (OD 19, ID 16)	VP18 (OD 19, ID 16)	VP18 (OD 19, ID 16)		
Field Wiring	Power Source Wire	Below 20m / Over 20m	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	0.75 ~ 1.50	
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	dBA	37.0/-/25.0	38.0/-/25.0	39.0/-/26.0	
	Sound Power	High / Mid / Low	dBA	-	-	-	
Dimensions	Net Weight		kg	-	-	-	
	Shipping Weight		kg	-	-	-	
	Net Dimensions (WxHxD)		mm	890 x 285 x 190	890 x 285 x 190	1065 x 298 x 230	
	Shipping Dimensions (WxHxD)		mm	-	-	-	
Panel Size	Panel Model		-	-	-	-	
	Panel Net Weight		kg	-	-	-	
	Shipping Weight		kg	-	-	-	
	Net Dimensions (WxHxD)		mm	-	-	-	
	Shipping Dimensions (WxHxD)		mm	-	-	-	
Additional Accessories	Drain Pump	Drain Pump	-	-	-	-	
	Max. Lifting Height / Displacement	mm / liter/h	-	-	-	-	
Air Filter			-	-	-	-	

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### Optional Accessories



### Standard Accessories

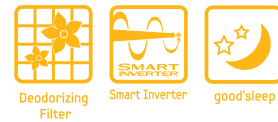


# FJM Specification - Indoor Units

## Neo Forte



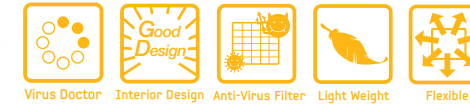
- Clean-cut Front Panel
- Silver Accent Line
- Bottom Opening Front Panel



## Console



- Slim & Smart Design
- 2Way Outlets
- Silent Operation



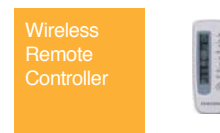
Model		MH020FNEA	MH026FNEA	MH035FNEA	MH052FNEA		
Power Supply	Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50		
Mode		-	HP/HR	HP/HR	HP/HR		
Performance	Capacity (Nominal)	Cooling	kW	2.00	2.60	3.50	5.20
		Btu/h	6,800	8,900	11,900	17,700	
	Heating	kW	2.20	2.90	3.80	5.60	
		Btu/h	7,500	9,900	13,000	19,100	
Power	Power Input (Nominal)	Cooling	W	30.00	30.00	35.00	50.00
		Heating	W	30.00	30.00	35.00	50.00
	Current Input (Nominal)	Cooling	A	0.18	0.18	0.19	0.30
		Heating	A	0.18	0.18	0.19	0.30
Fan	Motor	Type	-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
		Output	W	23 x 1	23 x 1	23 x 1	40 x 1
	Air Flow Rate	High / Mid / Low (UL)	CMM	7.70/6.70/5.70	8.30/7.30/6.30	9.50/8.50/7.50	13.20/11.60/9.90
		l/s	128.33/111.67/95.00	138.33/121.67/105.00	158.33/141.67/125.00	220.00/193.33/165.00	
External Static 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	9.52	12.70	
		Φ, inch	3/8"	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)	VP18 (OD 19, ID 16)		
Field Wiring	Power Source Wire	Below 20m / Over 20m	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 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	
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	dBA	32.0/28.0/23.0	32.0/28.0/23.0	36.0/30.0/23.0	40.0/35.0/30.0
	Sound Power	High / Mid / Low	dBA	-	-	-	-
Dimensions	Net Weight	kg	7.80	7.80	7.80	13.00	
	Shipping Weight	kg	9.40	9.40	9.40	16.00	
	Net Dimensions (WxHxD)	mm	825 x 285 x 189	825 x 285 x 189	825 x 285 x 189	1065 x 298 x 218	
	Shipping Dimensions (WxHxD)	mm	900 x 349 x 252	900 x 349 x 252	900 x 349 x 252	1137 x 377 x 299	
Panel Size	Panel Model	-	-	-	-	-	
	Panel Net Weight	kg	-	-	-	-	
	Shipping Weight	kg	-	-	-	-	
	Net Dimensions (WxHxD)	mm	-	-	-	-	
	Shipping Dimensions (WxHxD)	mm	-	-	-	-	
Additional Accessories	Drain Pump	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.

### Optional Accessories



### Standard Accessories



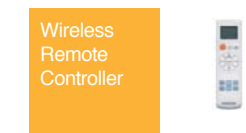
Model		MH026FJEA	MH035FJEA	MH052FJEA		
Power Supply	Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50		
Mode		-	HP/HR	HP/HR		
Performance	Capacity (Nominal)	Cooling	kW	2.60	3.50	5.20
		Btu/h	8,900	11,900	17,700	
	Heating	kW	2.90	3.80	5.60	
		Btu/h	9,900	13,000	19,100	
Power	Power Input (Nominal)	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	W	37 x 1	37 x 1	37 x 1
	Air Flow Rate	High / Mid / Low (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 Static 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	Below 20m / Over 20m	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	dBA	28.0/26.0/23.0	39.0/32.0/24.0	44.0/34.0/25.0
	Sound Power	High / Mid / Low	dBA	-	-	-
Dimensions	Net Weight	kg	15.00	15.00	15.00	
	Shipping Weight	kg	19.00	19.00	19.00	
	Net Dimensions (WxHxD)	mm	720 x 620 x 199	720 x 620 x 199	720 x 620 x 199	
	Shipping Dimensions (WxHxD)	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 (WxHxD)	mm	-	-	-	
	Shipping Dimensions (WxHxD)	mm	-	-	-	
Additional Accessories	Drain Pump	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.

### Optional Accessories



### Standard Accessories



# FJM Capacity Combination



COOLING																					
Outdoor Unit	Indoor Unit Combination				Cooling Capacity (W)					Capacity			Power Consumption			Current			EER		
	A	B	C	D	Total	A	B	C	D	Total	W			W			A				
						MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	MIN		NOM	MAX
AJ060FCJ2EH	1 Unit	2000				2000	2100				2100	1250	2100	2520	300	540	630	1.7	2.5	2.9	3.89
		2500				2500	2500				2500	1250	2500	3120	300	750	880	1.7	3.4	4.0	3.33
		3500				3500	3500				3500	1250	3500	4200	300	1060	1240	1.7	4.9	5.7	3.30
	2 Unit	2000	2000			4000	2000	2000			4000	1250	4000	4500	300	1180	1330	1.7	5.4	6.1	3.39
		2000	2500			4500	1780	2220			4000	1300	4000	4500	350	1180	1330	1.9	5.4	6.1	3.39
		2000	3500			5500	1450	2550			4000	1300	4000	4500	350	1180	1330	1.9	5.4	6.1	3.39
	2500	2500			5000	2000	2000			4000	1300	4000	4500	350	1180	1330	1.9	5.4	6.1	3.39	
	2500	3500			6000	1670	2330			4000	1300	4000	4500	350	1020	1330	1.9	4.7	6.1	3.92	

- Cooling capacity is based on 27°CDB / 19°CWB (indoor temperature), 35°CDB (outdoor temperature).
- The above is the value for connecting with the following indoor units.  
- 2000, 2500, 3500W class: Wall Mounted [only for AR\*\*FSSEDWUN, AR\*\*FSFPESNN, AR\*\*FSFPDGMN]
- Capacities are based on the following conditions:  
- Corresponding refrigerant piping length : 5m / - Level difference : 0m
- The total ability of connected a indoor unit is up to 6.0 kW (@ Cooling)
- It is impossible to connect the indoor unit for one room only.
- Power consumption include indoor unit power.

COOLING																					
Outdoor Unit	Indoor Unit Combination				Cooling Capacity (W)					Capacity			Power Consumption			Current			EER		
	A	B	C	D	Total	A	B	C	D	Total	W			W			A				
						MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	MIN		NOM	MAX
AJ060FCJ2EH	1 Unit	2000				2000	2400				2400	1250	2400	2880	300	730	880	1.7	3.3	4.0	3.29
		2500				2500	2500				2500	1250	2500	3120	300	800	960	1.7	3.7	4.4	3.13
		3500				3500	3500				3500	1250	3500	4200	300	1090	1310	1.7	5.0	6.0	3.21
		5000				5000	5000				5000	1250	5000	5200	300	1600	1740	1.7	7.3	8.0	3.13
	2 Unit	2000	2000			4000	2000	2000			4000	1300	4000	4800	350	1245	1490	1.9	5.7	6.8	3.21
		2000	2500			4500	2040	2560			4600	1300	4600	5200	350	1430	1720	1.9	6.5	7.9	3.22
		2000	3500			5500	1820	3180			5000	1400	5000	5400	350	1490	1780	1.9	6.8	8.1	3.36
		2000	5000			7000	1430	3570			5000	1400	5000	5400	350	1450	1800	1.9	6.6	8.2	3.45
		2500	2500			5000	2500	2500			5000	1400	5000	5400	350	1500	1780	1.9	6.9	8.1	3.33
		2500	3500			6000	2080	2920			5000	1400	5000	5400	350	1500	1780	1.9	6.9	8.1	3.33
		2500	5000			7500	1670	3330			5000	1400	5000	5400	350	1450	1700	1.9	6.6	7.8	3.45
		3500	3500			7000	2500	2500			5000	1400	5000	5400	350	1500	1780	1.9	6.9	8.1	3.33
	3500	5000			8500	2060	2940			5000	1400	5000	5400	350	1320	1700	1.9	6.0	7.8	3.79	

- Cooling capacity is based on 27°CDB / 19°CWB (indoor temperature), 35°CDB (outdoor temperature).
- The above is the value for connecting with the following indoor units.  
- 2000, 2500, 3500W class: Wall Mounted [only for AR\*\*FSSEDWUN, AR\*\*FSFPESNN, AR\*\*FSFPDGMN]
- Capacities are based on the following conditions:  
- Corresponding refrigerant piping length : 5m / - Level difference : 0m
- The total ability of connected a indoor unit is up to 6.0 kW (@ Cooling)
- It is impossible to connect the indoor unit for one room only.
- Power consumption include indoor unit power.

HEATING																					
Outdoor unit	Indoor unit combination				Heating Capacity (W)					Capacity			Power Consumption			Current			COP		
	A	B	C	D	Total	A	B	C	D	Total	W			W			A				
						MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	MIN		NOM	MAX
AJ060FCJ2EH	1 Unit	2200				2200	2400				2400	1000	2400	2990	260	780	910	1.3	3.6	4.2	3.08
		3300				3300	3100				3100	1000	3100	3450	260	850	1080	1.3	3.9	4.9	3.65
		4000				4000	3800				3800	1000	3800	4370	260	1100	1380	1.3	5.0	6.3	3.45
	2 Unit	2200	2200			4400	2200	2200			4400	1000	4400	4700	280	1160	1390	1.4	5.3	6.4	3.79
		2200	3300			5500	1760	2640			4400	1000	4400	4700	280	1160	1400	1.4	5.3	6.4	3.79
		2200	4000			6200	1560	2840			4400	1000	4400	4700	280	1160	1400	1.4	5.3	6.4	3.79
	3300	3300			6600	2200	2200			4400	1000	4400	4700	280	1160	1400	1.4	5.3	6.4	3.79	
	3300	4000			7300	1990	2410			4400	1000	4400	4700	280	990	1400	1.4	4.5	6.4	4.44	

- Heating capacity is based on 20°CDB (indoor temperature), 7°CDB / 6°CWB (outdoor temperature).
- The above is the value for connecting with the following indoor units.  
- 2200, 3300, 4000W class: Wall Mounted [only for AR\*\*FSSEDWUN, AR\*\*FSFPESNN, AR\*\*FSFPDGMN]
- Capacities are based on the following conditions:  
- Corresponding refrigerant piping length : 5m / - Level difference : 0m
- The total ability of connected a indoor unit is up to 7.3 kW (@ Heating)
- It is impossible to connect the indoor unit for one room only.
- Power consumption include indoor unit power.

HEATING																					
Outdoor unit	Indoor unit combination				Heating Capacity (W)					Capacity			Power Consumption			Current			COP		
	A	B	C	D	Total	A	B	C	D	Total	W			W			A				
						MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	MIN		NOM	MAX
AJ060FCJ2EH	1 Unit	2200				2200	2500				2500	1050	2500	2990	260	880	1010	1.3	4.0	4.6	2.84
		3300				3300	3300				3300	1050	3300	3340	260	1050	1290	1.3	4.8	5.9	3.14
		4000				4000	4000				4000	1050	4000	4370	260	1300	1620	1.3	5.9	7.4	3.08
		6000				6000	5400				5400	1050	5400	5600	260	1650	2060	1.3	7.6	9.4	3.27
	2 Unit	2200	2200			4400	2200	2200			4400	1100	4400	4750	280	1220	1390	1.4	5.6	6.4	3.61
		2200	3300			5500	2040	3060			5100	1100	5100	5460	280	1410	1610	1.4	6.5	7.4	3.62
		2200	4000			6200	2020	3680			5700	1100	5700	6300	280	1520	1900	1.4	7.0	8.7	3.75
		2200	6000			8200	1530	4170			5700	1100	5700	6400	280	1440	1800	1.4	6.6	8.2	3.96
		3300	3300			6600	2850	2850			5700	1100	5700	6300	280	1550	1940	1.4	7.1	8.9	3.68
		3300	4000			7300	2580	3120			5700	1100	5700	6300	280	1550	1850	1.4	7.1	8.5	3.68
		3300	6000			9300	2020	3680			5700	1100	5700	6400	280	1440	1750	1.4	6.6	8.0	3.96
		4000	4000			8000	2850	2850			5700	1100	5700	6300	280	1470	1840	1.4	6.7	8.4	3.88
	4000	6000			10000	2280	3420			5700	1100	5700	6400	280	1350	1750	1.4	6.2	8.0	4.22	

- Heating capacity is based on 20°CDB (indoor temperature), 7°CDB / 6°CWB (outdoor temperature).
- The above is the value for connecting with the following indoor units.  
- 2200, 3300, 4000, 6000W class: Wall Mounted [only for AR\*\*FSSEDWUN, AR\*\*FSFPESNN, AR\*\*FSFPDGMN]
- Capacities are based on the following conditions:  
- Corresponding refrigerant piping length : 5m / - Level difference : 0m
- The total ability of connected a indoor unit is up to 10.0 kW (@ Heating)
- It is impossible to connect the indoor unit for one room only.
- Power consumption include indoor unit power.

# FJM Capacity Combination



COOLING																					
Outdoor unit	Indoor unit combination				Cooling Capacity (W)					Capacity			Power Consumption			Current			EER		
	A	B	C	D	Total	A	B	C	D	Total	W			A							
							MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX						
AJ052FCJ3EH	1 Unit	2000				2000	2000				2000	1280	2000	2880	420	630	1020	2.2	2.9	4.7	3.17
		2500				2500	2500				2500	1280	2500	3120	420	790	1110	2.2	3.6	5.1	3.16
		3500				3500	3500				3500	1280	3500	4200	420	1150	1510	2.2	5.3	6.9	3.04
		5000				5000	5000				5000	1300	5000	5800	420	1620	2090	2.2	7.4	9.6	3.09
	2 Unit	2000	2000			4000	2000	2000			4000	1300	4000	4800	440	1240	1630	2.3	5.7	7.5	3.23
		2000	2500			4500	2040	2560			4600	1300	4600	5520	440	1410	1850	2.3	6.5	8.5	3.26
		2000	3500			5500	1820	3180			5000	1300	5000	6290	450	1520	2000	2.3	7.0	9.2	3.29
		2000	5000			7000	1490	3710			5200	1380	5200	6600	450	1540	2040	2.3	7.0	9.3	3.38
		2500	2500			5000	2500	2500			5000	1300	5000	5800	440	1550	1980	2.3	7.1	9.1	3.23
		2500	3500			6000	2080	2920			5000	1300	5000	6400	450	1510	2020	2.3	6.9	9.2	3.31
	3 Unit	2500	5000			7500	1730	3470			5200	1380	5200	6800	450	1540	2070	2.3	7.0	9.5	3.38
		3500	3500			7000	2600	2600			5200	1300	5200	6560	450	1540	2040	2.3	7.0	9.3	3.38
2000		2000	2000		6000	1730	1730	1740		5200	1700	5200	6380	450	1500	2020	2.3	6.9	9.2	3.47	
2000		2000	2500		6500	1600	1600	2000		5200	1700	5200	6490	450	1530	2040	2.3	7.0	9.3	3.40	
2000		2000	3500		7500	1390	1390	2420		5200	1700	5200	6800	460	1420	2070	2.4	6.5	9.5	3.66	
2000		2500	2500		7000	1480	1860	1860		5200	1700	5200	6600	450	1390	2040	2.3	6.4	9.3	3.74	
2000		2500	3500		8000	1300	1630	2270		5200	1700	5200	6800	460	1420	2070	2.4	6.5	9.5	3.66	
2500		2500	2500		7500	1730	1730	1740		5200	1700	5200	6800	460	1350	2070	2.4	6.2	9.5	3.85	

- Cooling capacity is based on 27°CDB / 19°CWB (indoor temperature), 35°CDB (outdoor temperature).
- The above is the value for connecting with the following indoor units.
  - 2000, 2500, 3500, 5000W class: Wall Mounted [only for AR\*\*FSSEDWUN, AR\*\*FSFPESNN, AR\*\*FSFPDGMN]
- Capacities are based on the following conditions:
  - Corresponding refrigerant piping length : 5m / - Level difference : 0m
- The total ability of connected a indoor unit is up to 8.0 kW (@ Cooling)
- It is impossible to connect the indoor unit for one room only.
- Power consumption include indoor unit power.

HEATING																					
Outdoor unit	Indoor unit combination				Heating Capacity (W)					Capacity			Power Consumption			Current			COP		
	A	B	C	D	Total	A	B	C	D	Total	W			A							
							MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX						
AJ052FCJ3EH	1 Unit	2200				2200	2200				2200	1300	2200	2990	350	910	1110	1.9	4.2	5.1	2.42
		3300				3300	3300				3300	1300	3300	3340	350	1150	1270	1.9	5.3	5.8	2.87
		4000				4000	4000				4000	1300	4000	4370	350	1350	1660	1.9	6.2	7.6	2.96
		6000				6000	5600				5600	1350	5600	6300	350	1820	1920	1.9	8.3	8.8	3.08
	2 Unit	2200	2200			4400	2200	2200			4400	1400	4400	5060	350	1220	1510	1.9	5.6	6.9	3.61
		2200	3300			5500	2040	3060			5100	1400	5100	5870	350	1410	1830	1.9	6.5	8.4	3.62
		2200	4000			6200	1990	3610			5600	1400	5600	6440	350	1540	1860	1.9	7.0	8.5	3.64
		2200	6000			8200	1610	4390			6000	1400	6000	6900	350	1660	1860	1.9	7.6	8.5	3.61
		3300	3300			6600	2900	2900			5800	1400	5800	6300	350	1600	1910	1.9	7.3	8.7	3.63
		3300	4000			7300	2620	3180			5800	1400	5800	6300	350	1600	1910	1.9	7.3	8.7	3.63
	3 Unit	3300	6000			9300	2240	4060			6300	1400	6300	7300	350	1740	1830	1.9	8.0	8.4	3.62
		4000	4000			8000	2950	2950			5900	1400	5900	6880	350	1630	1860	1.9	7.5	8.5	3.62
2200		2200	2200		6600	1930	1930	1940		5800	1400	5800	6760	350	1590	1840	1.9	7.3	8.4	3.65	
2200		2200	3300		7700	1690	1690	2520		5900	1400	5900	6840	350	1650	1840	1.9	7.6	8.4	3.58	
2200		2200	4000		8400	1650	1650	3000		6300	1400	6300	7300	350	1660	1830	1.9	7.6	8.4	3.80	
2200		3300	3300		8800	1500	2250	2250		6000	1400	6000	6920	350	1590	1840	1.9	7.3	8.4	3.77	
2200		3300	4000		9500	1460	2190	2650		6300	1400	6300	7300	350	1630	1830	1.9	7.5	8.4	3.87	
3300		3300	3300		9900	2100	2100	2100		6300	1400	6300	7300	350	1400	1830	1.9	6.4	8.4	4.50	

- Heating capacity is based on 20°CDB (indoor temperature), 7°CDB / 6°CWB (outdoor temperature).
- The above is the value for connecting with the following indoor units.
  - 2200, 3300, 4000, 6000W class: Wall Mounted [only for AR\*\*FSSEDWUN, AR\*\*FSFPESNN, AR\*\*FSFPDGMN]
- Capacities are based on the following conditions:
  - Corresponding refrigerant piping length : 5m / - Level difference : 0m
- The total ability of connected a indoor unit is up to 9.9 kW (@ Heating)
- It is impossible to connect the indoor unit for one room only.
- Power consumption include indoor unit power.



# FJM Capacity Combination



COOLING																					
Outdoor unit	Indoor unit combination				Cooling Capacity (W)					Capacity			Power Consumption			Current			EER		
	A	B	C	D	Total	A	B	C	D	Total	W			A							
	MIN			NOM			MAX			MIN			MAX								
A.J08FCC.8EH	1 Unit	2000				2000	2000				2000	1280	2000	2880	400	630	930	2.2	2.9	4.3	3.17
		2500				2500	2500				2500	1280	2500	3120	400	790	1010	2.2	3.6	4.6	3.16
		3500				3500	3500				3500	1280	3500	4200	400	1070	1370	2.2	4.9	6.3	3.27
		5000				5000	5000				5000	1300	5000	5800	400	1620	1900	2.2	7.4	8.7	3.09
	2 Unit	2000	2000			4000	2000	2000			4000	1300	4000	4800	420	1240	1480	2.3	5.7	6.8	3.23
		2000	2500			4500	2000	2500			4500	1300	4500	5520	420	1410	1680	2.3	6.5	7.7	3.19
		2000	3500			5500	2000	3500			5500	1300	5500	6550	420	1830	2470	2.3	8.4	11.3	3.01
		2000	5000			7000	1860	4640			6500	1300	6500	7740	420	2000	2690	2.3	9.2	12.3	3.25
		2500	2500			5000	2500	2500			5000	1300	5000	5950	420	1660	2260	2.3	7.6	10.3	3.01
		2500	3500			6000	2500	3500			6000	1300	6000	7140	420	1980	2670	2.3	9.1	12.2	3.03
		2500	5000			7500	2270	4530			6800	1380	6800	8090	430	2090	2660	2.3	9.6	12.2	3.25
		3500	3500			7000	3250	3250			6500	1300	6500	7740	420	2010	2700	2.3	9.2	12.4	3.23
	3500	5000			8500	2800	4000			6800	1380	6800	8090	430	2100	2670	2.3	9.6	12.2	3.24	
	5000	5000			10000	3400	3400			6800	1380	6800	8090	430	2060	2660	2.3	9.4	12.2	3.30	
	3 Unit	2000	2000	2000		6000	2000	2000	2000		6000	1800	6000	7400	440	1970	2650	2.3	9.0	12.1	3.05
		2000	2000	2500		6500	2000	2000	2500		6500	1800	6500	8000	440	2000	2690	2.3	9.2	12.3	3.25
		2000	2000	3500		7500	1810	1810	3180		6800	1800	6800	8400	440	2070	2700	2.3	9.5	12.4	3.29
		2000	2000	5000		9000	1510	1510	3780		6800	1800	6800	8400	440	2000	2690	2.3	9.2	12.3	3.40
		2000	2500	2500		7000	1860	2320	2320		6500	1800	6500	8000	440	2030	2690	2.3	9.3	12.3	3.20
		2000	2500	3500		8000	1700	2130	2970		6800	1800	6800	8400	440	2090	2690	2.3	9.6	12.3	3.25
2000		2500	5000		9500	1430	1790	3580		6800	1800	6800	8400	440	2010	2690	2.3	9.2	12.3	3.38	
2000		3500	3500		9000	1520	2640	2640		6800	1800	6800	8400	440	2010	2700	2.3	9.2	12.4	3.38	
2000		3500	5000		10500	1300	2270	3230		6800	1800	6800	8400	440	2050	2700	2.3	9.4	12.4	3.32	
2500		2500	2500		7500	2260	2270	2270		6800	1800	6800	8400	440	2060	2690	2.3	9.4	12.3	3.30	
2500		2500	3500		8500	2000	2000	2800		6800	1800	6800	8400	440	2130	2700	2.3	9.7	12.4	3.19	
2500		2500	5000		10000	1700	1700	3400		6800	1800	6800	8400	440	2030	2690	2.3	9.3	12.3	3.35	
2500		3500	3500		9500	1780	2510	2510		6800	1800	6800	8400	440	2020	2700	2.3	9.2	12.4	3.37	
2500		3500	5000		11000	1550	2160	3090		6800	1800	6800	8400	440	2070	2700	2.3	9.5	12.4	3.29	
3500		3500	3500		10500	2260	2270	2270		6800	1800	6800	8400	440	2000	2710	2.3	9.2	12.4	3.40	

- Cooling capacity is based on 27°CDB / 19°CWB (indoor temperature), 35°CDB (outdoor temperature).
- The above is the value for connecting with the following indoor units.
  - 2000, 2500, 3500, 5000W class: Wall Mounted [only for AR\*\*FSSEDWUN, AR\*\*FSFPESNN, AR\*\*FSFPDGMN]
- Capacities are based on the following conditions:
  - Corresponding refrigerant piping length : 5m / - Level difference : 0m
- The total ability of connected a indoor unit is up to 11 kW (@ Cooling)
- It is impossible to connect the indoor unit for one room only.
- Power consumption include indoor unit power.

HEATING																					
Outdoor unit	Indoor unit combination				Heating Capacity (W)					Capacity			Power Consumption			Current			COP		
	A	B	C	D	Total	A	B	C	D	Total	W			A							
	MIN			NOM			MAX			MIN			MAX								
A.J08FCC.8EH	1 Unit	2200				2200	2200				2200	1300	2200	2990	380	950	1190	1.9	4.3	5.4	2.32
		3300				3300	3300				3300	1300	3300	3340	380	1150	1360	1.9	5.3	6.2	2.87
		4000				4000	4000				4000	1300	4000	4370	380	1350	1780	1.9	6.2	8.1	2.96
		6000				6000	5600				5600	1350	5600	6300	380	1820	2050	1.9	8.3	9.4	3.08
	2 Unit	2200	2200			4400	2200	2200			4400	1400	4400	5060	380	1220	1600	1.9	5.6	7.3	3.61
		2200	3300			5500	2200	3300			5500	1400	5500	6330	380	1490	2000	1.9	6.8	9.2	3.69
		2200	4000			6200	2200	4000			6200	1400	6200	7130	380	1670	2300	1.9	7.6	10.5	3.71
		2200	6000			8200	2090	5710			7800	1400	7800	8970	380	1990	2700	1.9	9.1	12.4	3.92
		3300	3300			6600	3300	3300			6600	1400	6600	7590	380	1890	2600	1.9	8.6	11.9	3.49
		3300	4000			7300	3300	4000			7300	1400	7300	8400	380	1950	2600	1.9	8.9	11.9	3.74
		3300	6000			9300	2770	5030			7800	1400	7800	8970	380	2040	2800	1.9	9.3	12.8	3.82
		4000	4000			8000	3900	3900			7800	1400	7800	8970	380	1990	2700	1.9	9.1	12.4	3.92
	4000	6000			10000	3200	4800			8000	1400	8000	9200	380	2090	2800	1.9	9.6	12.8	3.83	
	6000	6000			12000	4000	4000			8000	1400	8000	9200	380	2080	2800	1.9	9.5	12.8	3.85	
	3 Unit	2200	2200	2200		6600	2200	2200	2200		6600	1400	6600	8100	380	1760	2400	1.9	8.1	11.0	3.75
		2200	2200	3300		7700	2200	2200	3300		7700	1400	7700	9500	380	1830	2500	1.9	8.4	11.4	4.21
		2200	2200	4000		8400	2100	2100	3800		8000	1400	8000	9800	380	1920	2600	1.9	8.8	11.9	4.17
		2200	2200	6000		10400	1690	1690	4620		8000	1400	8000	9800	380	1960	2600	1.9	9.0	11.9	4.08
		2200	3300	3300		8800	2000	3000	3000		8000	1400	8000	9800	380	1880	2500	1.9	8.6	11.4	4.26
		2200	3300	4000		9500	1850	2780	3370		8000	1400	8000	9800	380	1910	2600	1.9	8.7	11.9	4.19
2200		3300	6000		11500	1530	2300	4170		8000	1400	8000	9800	380	1920	2600	1.9	8.8	11.9	4.17	
2200		4000	4000		10200	1720	3140	3140		8000	1400	8000	9800	380	1960	2600	1.9	9.0	11.9	4.08	
2200		4000	6000		12200	1450	2620	3930		8000	1400	8000	9800	380	1950	2600	1.9	8.9	11.9	4.10	
3300		3300	3300		9900	2660	2670	2670		8000	1400	8000	9800	380	1930	2600	1.9	8.8	11.9	4.15	
3300		3300	4000		10600	2490	2490	3020		8000	1400	8000	9800	380	1910	2600	1.9	8.7	11.9	4.19	
3300		3300	6000		12600	2100	2100	3800		8000	1400	8000	9800	380	1950	2600	1.9	8.9	11.9	4.10	
3300		4000	4000		11300	2340	2830	2830		8000	1400	8000	9800	380	1930	2600	1.9	8.8	11.9	4.15	
3300		4000	6000		13300	1980	2410	3610		8000	1400	8000	9800	380	1980	2700	1.9	9.1	12.4	4.04	
4000		4000	4000		12000	2660	2670	2670		8000	1400	8000	9800	380	1910	2600	1.9	8.7	11.9	4.19	

- Heating capacity is based on 20°CDB (indoor temperature), 7°CDB / 6°CWB (outdoor temperature).
- The above is the value for connecting with the following indoor units.
  - 2200, 3300, 4000, 6000W class: Wall Mounted [only for AR\*\*FSSEDWUN, AR\*\*FSFPESNN, AR\*\*FSFPDGMN]
- Capacities are based on the following conditions:
  - Corresponding refrigerant piping length : 5m / - Level difference : 0m
- The total ability of connected a indoor unit is up to 13.3 kW (@ Heating)
- It is impossible to connect the indoor unit for one room only.
- Power consumption include indoor unit power.

# FJM Capacity Combination



COOLING																					
Outdoor unit	Indoor unit combination					Cooling Capacity (W)					Capacity			Power Consumption			Current			EER	
	A	B	C	D	Total	A	B	C	D	Total	W			W			A				
											MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX		
AU070FCJ4EH	1 Unit	2000				2000	2200				2200	1350	2200	3000	380	780	950	1.7	3.6	4.3	2.82
		2500				2500	2500				2500	1350	2500	3480	390	840	1100	1.8	3.8	5.0	2.98
		3500				3500	3500				3500	1350	3500	4200	400	1130	1580	1.8	5.2	7.2	3.10
		5000				5000	4900				4900	1400	4900	6240	420	1520	2160	1.9	7.0	9.9	3.22
	2 Unit	2000	2000			4000	2000	2000			4000	1500	4000	4800	410	1240	1490	1.9	5.7	6.8	3.23
		2000	2500			4500	2040	2560			4600	1690	4600	5520	420	1430	1720	1.9	6.5	7.9	3.22
		2000	3500			5500	2000	3500			5500	1770	5500	6600	430	1710	2050	2	7.8	9.4	3.22
		2000	5000			7000	2000	5000			7000	1900	7000	8400	580	2180	2520	2.7	10.0	11.5	3.21
		2500	2500			5000	2600	2600			5200	1750	5200	6240	420	1660	2000	1.9	7.6	9.2	3.13
		2500	3500			6000	2540	3560			6100	1820	6100	7320	440	1880	2260	2	8.6	10.3	3.24
		2500	5000			7500	2330	4670			7000	1900	7000	8400	580	2180	2540	2.7	10.0	11.6	3.21
		3500	3500			7000	3500	3500			7000	1900	7000	8000	580	2490	2620	2.7	11.4	12.0	2.81
		3500	5000			8500	2880	4120			7000	1900	7000	8900	580	2110	2540	2.7	9.7	11.6	3.32
		5000	5000			10000	3500	3500			7000	1900	7000	8900	580	2000	2540	2.7	9.2	11.6	3.50
	3 Unit	2000	2000	2000		6000	2000	2000	2000		6000	1810	6000	7200	440	1800	2280	2	8.2	10.4	3.33
		2000	2000	2500		6500	2030	2030	2540		6600	1870	6600	7920	440	1830	2460	2	8.4	11.3	3.61
		2000	2000	3500		7500	1780	1780	3120		6680	1900	6680	8020	580	1835	2410	2.7	8.4	11.0	3.64
		2000	2000	5000		9000	1560	1560	3880		7000	1900	7000	8900	580	1850	2460	2.7	8.5	11.3	3.78
		2000	2500	2500		7000	1910	2370	2370		6650	1900	6650	7980	580	1830	2410	2.7	8.4	11.0	3.63
		2000	2500	3500		8000	1690	2110	2940		6740	1900	6740	8080	580	1840	2460	2.7	8.4	11.3	3.66
		2000	2500	5000		9500	1480	1840	3680		7000	1900	7000	8900	580	1880	2460	2.7	8.6	11.3	3.72
		2000	3500	3500		9000	1520	2650	2650		6820	1900	6820	8180	580	1850	2510	2.7	8.5	11.5	3.69
		2000	3500	5000		10500	1340	2330	3330		7000	1900	7000	8900	580	1930	2510	2.7	8.8	11.5	3.63
		2500	2500	2500		7500	2240	2240	2240		6720	1900	6720	8050	580	1840	2420	2.7	8.4	11.1	3.65
		2500	2500	3500		8500	2000	2000	2790		6790	1900	6790	8150	580	1850	2460	2.7	8.5	11.3	3.67
		2500	2500	5000		10000	1750	1750	3500		7000	1900	7000	8900	580	1880	2510	2.7	8.6	11.5	3.72
		2500	3500	3500		9500	1840	2580	2580		7000	1900	7000	8900	580	1880	2460	2.7	8.6	11.3	3.72
		3500	3500	3500		10500	2330	2330	2330		6990	1900	6990	8900	580	1900	2510	2.7	8.7	11.5	3.68
4 Unit	2000	2000	2000	2000	8000	1680	1680	1680	1680	6720	1900	6720	8070	580	1850	2460	2.7	8.5	11.3	3.63	
	2000	2000	2000	2500	8500	1600	1600	1600	1980	6780	1900	6780	8140	580	1880	2460	2.7	8.6	11.3	3.61	
	2000	2000	2000	3500	9500	1470	1470	1470	2590	7000	1900	7000	8900	580	1900	2460	2.7	8.7	11.3	3.68	
	2000	2000	2500	2500	9000	1560	1560	1940	1940	7000	1900	7000	8900	580	1880	2460	2.7	8.6	11.3	3.72	
	2000	2000	2500	3500	10000	1400	1400	1750	2450	7000	1900	7000	8900	580	1900	2510	2.7	8.7	11.5	3.68	
	2000	2500	2500	2500	9500	1480	1840	1840	1840	7000	1900	7000	8900	580	1900	2460	2.7	8.7	11.3	3.68	
	2000	2500	2500	3500	10500	1330	1670	1670	2330	7000	1900	7000	8900	580	1930	2550	2.7	8.8	11.7	3.63	
	2500	2500	2500	2500	10000	1750	1750	1750	1750	7000	1900	7000	8900	580	1900	2550	2.7	8.7	11.7	3.68	

- Cooling capacity is based on 27°CDB / 19°CWB (indoor temperature), 35°CDB (outdoor temperature).
- The above is the value for connecting with the following indoor units.  
- 2000, 2500, 3500, 5000W class: Wall Mounted [only for AR\*\*FSSEWUN, AR\*\*FSFPESNN, AR\*\*FSFPDGMN]
- Capacities are based on the following conditions:  
- Corresponding refrigerant piping length : 5m / - Level difference : 0m
- The total ability of connected a indoor unit is up to 10.5 kW (@ Cooling)
- It is impossible to connect the indoor unit for one room only.
- Power consumption include indoor unit power.

HEATING																					
Outdoor unit	Indoor unit combination					Heating Capacity (W)					Capacity			Power Consumption			Current			COP	
	A	B	C	D	Total	A	B	C	D	Total	W			W			A				
											MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX		
AU070FCJ4EH	1 Unit	2200				2200	2200				2200	1790	2200	3220	580	950	1330	2.7	4.3	6.1	2.32
		3300				3300	3300				3300	1820	3300	3680	590	1150	1500	2.7	5.3	6.9	2.87
		4000				4000	4000				4000	1930	4000	4600	600	1300	1810	2.7	5.9	8.3	3.08
		6000				6000	6000				6000	2080	6000	6440	610	1750	2370	2.8	8.0	10.8	3.43
	2 Unit	2200	2200			4400	2200	2200			4400	1980	4400	5060	600	1220	1530	2.7	5.6	7.0	3.61
		2200	3300			5500	2040	3060			5100	2040	5100	5870	610	1410	1700	2.8	6.5	7.8	3.62
		2200	4000			6200	2130	3870			6000	2110	6000	6900	610	1760	2110	2.8	8.1	9.7	3.41
		2200	6000			8200	2090	5710			7800	2200	7800	9130	620	2160	2700	2.8	9.9	12.4	3.61
		3300	3300			6600	2900	2900			5800	2100	5800	6670	610	1600	1930	2.8	7.3	8.8	3.63
		3300	4000			7300	3030	3670			6700	2170	6700	8040	610	1940	2330	2.8	8.9	10.7	3.45
		3300	6000			9300	2770	5030			7800	2200	7800	9600	620	2160	2650	2.8	8.9	12.1	3.61
		4000	4000			8000	3800	3800			7600	2200	7600	9120	620	2180	2510	2.8	10.0	11.5	3.49
		4000	6000			10000	3250	4870			8120	2200	8120	9740	620	2250	2700	2.8	10.3	12.4	3.61
		6000	6000			12000	4250	4250			8500	2200	8500	10200	620	2250	2740	2.8	10.3	12.5	3.78
	3 Unit	2200	2200	2200		6600	2200	2200	2200		6600	2170	6600	7590	610	1830	2530	2.8	8.4	11.6	3.61
		2200	2200	3300		7700	2090	2090	3120		7300	2200	7300	8400	620	1880	2590	2.8	8.6	11.9	3.88
		2200	2200	4000		8400	2150	2150	3900		8200	2200	8200	9590	620	1930	2660	2.8	8.8	12.2	4.25
		2200	2200	6000		10400	1820	1820	4960		8600	2200	8600	10300	620	1960	2700	2.8	9.0	12.4	4.39
		2200	3300	3300		8800	2000	3000	3000		8000	2200	8000	9360	620	1900	2620	2.8	8.7	12.0	4.21
		2200	3300	4000		9500	1910	2870	3480		8260	2200	8260	9670	620	1930	2660	2.8	8.8	12.2	4.28
		2200	3300	6000		11500	1650	2470	4480		8600	2200	8600	10300	620	1970	2720	2.8	9.0	12.4	4.37
		2200	4000	4000		10200	1800	3270	3270		8340	2200	8340	9760	620	1950	2690	2.8	8.9	12.3	4.28
		2200	4000	6000		12200	1550	2820	4230		8600	2200	8600	10300	620	2000	2760	2.8	9.2	12.6	4.30
		3300	3300	3300		9900	2750	2750	2750		8250	2200	8250	9650	620	1930	2660	2.8	8.8	12.2	4.27
		3300	3300	4000		10600	2600	2600	3130		8330	2200	8330	9740	620	1950	2690	2.8	8.9	12.3	4.27
		3300	3300	6000		12600	2250	2250	4100		8600	2200	8600	10300	620	1980	2730	2.8	9.1	12.5	4.34
		3300	4000	4000		11300	2520	3040	3040		8600	2200	8600	10300	620	1980	2730	2.8	9.1	12.5	4.34
		4000	4000	4000		12000	2860	2870	2870		8600	2200	8600	10300	620	2000	2760	2.8	9.2	12.6	4.30
4 Unit	2200	2200	2200	2200	8800	2060	2060	2060	2070	8250	2200	8250	9660	620	1930	2660	2.8	8.8	12.2	4.27	
	2200	22																			

# FJM Capacity Combination



COOLING																							
Outdoor unit	Indoor unit combination				Cooling Capacity (W)					Capacity			Power Consumption			Current			EER				
	A	B	C	D	Total	A	B	C	D	Total	W			A									
	MIN			NOM			MAX			MIN			MAX										
AUB08FC4EH	1 Unit	2000				2000	2200				2200	1470	2200	3000	3800	780	950	1.7	3.6	4.3	2.82		
		2500				2500	2500				2500	1520	2500	3480	390	840	1100	1.8	3.8	5.0	2.98		
		3500				3500	3500				3500	1600	3500	4200	400	1130	1580	1.8	5.2	7.2	3.10		
		5000				5000	4900				4900	1750	4900	6240	420	1520	2160	1.9	7.0	9.9	3.22		
	2 Unit	2000	2000				4000	2000				4000	1640	4000	4800	410	1240	1490	1.9	5.7	6.8	3.23	
			2000	2000			4500	2040	2560			4600	1690	4600	5520	420	1430	1720	1.9	6.5	7.9	3.22	
			2000	3500			5500	2000	3500			5500	1770	5500	6600	430	1710	2050	2	7.8	9.4	3.22	
			2000	5000			7000	2060	5140			7200	1900	7200	8640	580	2240	2690	2.7	10.3	12.3	3.21	
		3 Unit	2000	2000	6800			8800	1690	5760			7450	1900	7450	8640	580	2350	2730	2.7	10.8	12.5	3.17
				2500	2500			5000	2600	2600			5200	1750	5200	6240	420	1660	2000	1.9	7.6	9.2	3.13
				2500	3500			6000	2540	3560			6100	1820	6100	7320	440	1900	2260	2	8.7	10.3	3.21
				2500	5000			7500	2400	4800			7200	1900	7200	8640	580	2240	2690	2.7	10.3	12.3	3.21
4 Unit			2000	2500	6800			9300	2030	5520			7550	1900	7550	8760	580	2380	2760	2.7	10.9	12.6	3.17
				3500	3500			7000	3500	3500			7000	1900	7000	8000	580	2490	2620	2.7	11.4	12.0	2.81
				3500	5000			8500	3030	4320			7350	1900	7350	8820	580	2290	2750	2.7	10.5	12.6	3.21
				3500	6800			10300	2620	5080			7700	1900	7700	8930	580	2400	2780	2.7	11.0	12.7	3.21

- Cooling capacity is based on 27°CDB / 19°CWB (indoor temperature), 35°CDB (outdoor temperature).
- The above is the value for connecting with the following indoor units.
  - 2000, 2500, 3500, 5000, 6800W class: Wall Mounted [only for AR\*\*FSSEDWUN, AR\*\*FSFPESNN, AR\*\*FSFPDGMN]
- Capacities are based on the following conditions:
  - Corresponding refrigerant piping length : 5m / - Level difference : 0m
- The total ability of connected a indoor unit is up to 12.0 kW (@ Cooling)
- It is impossible to connect the indoor unit for one room only.
- Power consumption include indoor unit power.

HEATING																							
Outdoor unit	Indoor unit combination				Heating Capacity (W)					Capacity			Power Consumption			Current			COP				
	A	B	C	D	Total	A	B	C	D	Total	W			A									
	MIN			NOM			MAX			MIN			MAX										
AUB08FC4EH	1 Unit	2200				2200	2200				2200	1790	2200	3220	580	950	1330	2.7	4.3	6.1	2.32		
		3300				3300	3300				3300	1820	3300	3680	590	1150	1500	2.7	5.3	6.9	2.87		
		4000				4000	4000				4000	1930	4000	4600	600	1300	1810	2.7	5.9	8.3	3.08		
		6000				6000	6000				6000	2080	6000	6440	610	1750	2370	2.8	8.0	10.8	3.43		
	2 Unit	2000	2200	2200			4400	2200				4400	1980	4400	5060	600	1220	1530	2.7	5.6	7.0	3.61	
			2200	3300			5500	2040	3060			5100	2040	5100	5870	610	1410	1700	2.8	6.5	7.8	3.62	
			2200	4000			6200	2130	3870			6000	2110	6000	6900	610	1760	2110	2.8	8.1	9.7	3.41	
			2200	6000			8200	2090	5710			7800	2200	7800	9130	620	2160	2580	2.8	9.9	11.8	3.61	
		3 Unit	2000	2200	7800			10000	1790	6330			8120	2200	8120	9300	620	2250	2600	2.8	10.3	11.9	3.61
				3300	3300			6600	2900	2900			5800	2100	5800	6670	610	1600	1930	2.8	7.3	8.8	3.63
				3300	4000			7300	3030	3670			6700	2170	6700	7710	610	1940	2330	2.8	8.9	10.7	3.45
				3300	6000			9300	2770	5030			7800	2200	7800	9360	620	2160	2600	2.8	9.9	11.9	3.61

- Heating capacity is based on 20°CDB (indoor temperature), 7°CDB / 6°CWB (outdoor temperature).
- The above is the value for connecting with the following indoor units.
  - 2200, 3300, 4000, 6000, 7800W class: Wall Mounted [only for AR\*\*FSSEDWUN, AR\*\*FSFPESNN, AR\*\*FSFPDGMN]
- Capacities are based on the following conditions:
  - Corresponding refrigerant piping length : 5m / - Level difference : 0m
- The total ability of connected a indoor unit is up to 14.8 kW (@ Heating)
- It is impossible to connect the indoor unit for one room only.
- Power consumption include indoor unit power.

# FJM Capacity Combination



COOLING																					
Outdoor unit	Indoor unit combination					Cooling Capacity (W)					Capacity			Power Consumption			Current			EER	
	A	B	C	D	E	A	B	C	D	E	W			W			A				
	MIN			NOM			MAX			MIN			NOM			MAX					
1 Unit	2000					2000					2000	1600	2000	3000	580	700	1010	2.7	3.2	4.6	2.86
	2500					2500	2500				2500	1600	2500	3630	580	800	1210	2.7	3.7	5.5	3.13
	3500					3500	3500				3500	1620	3500	4740	590	1070	1580	2.7	4.9	7.2	3.27
	5000					5000	5000				5000	1650	5000	6480	600	1500	2160	2.7	6.9	9.9	3.33
	6800					6800	6800				6800	1710	6800	8690	620	2180	2900	2.8	10.0	13.3	3.12
	2000	2000				4000	2000	2000			4000	1680	4000	4900	610	1260	1650	2.8	5.8	7.6	3.17
	2000	2500				4500	2000	2500			4500	1680	4500	5530	610	1400	1860	2.8	6.4	8.5	3.21
	2000	3500				5500	2000	3500			5500	1710	5500	6950	620	1750	2330	2.8	8.0	10.7	3.14
	2000	5000				7000	2000	5000			7000	2210	7000	8690	630	2190	2910	2.9	10.0	13.3	3.20
	2000	6800				8800	1830	6240			8070	2280	8070	10110	650	2550	3390	3	11.7	15.5	3.16
	2500	2500				5000	2500	2500			5000	1680	5000	6320	610	1600	2120	2.8	7.3	9.7	3.13
	2 Unit	2500	3500				6000	2500	3500			6000	1710	6000	7270	620	1840	2430	2.8	8.4	11.1
2500		5000				7500	2500	5000			7500	2210	7500	9320	630	2340	3120	2.9	10.7	14.3	3.21
2500		6800				9300	2190	5960			8150	2280	8150	10110	650	2550	3390	3	11.7	15.5	3.20
3500		3500				7000	3500	3500			7000	2170	7000	8530	620	2130	2850	2.8	9.7	13.0	3.29
3500		5000				8500	3300	4720			8020	2240	8020	9950	640	2490	3330	2.9	11.4	15.2	3.22
3500		6800				10300	2920	5670			8590	2480	8590	10740	660	2700	3600	3	12.4	16.5	3.18
5000		5000				10000	4280	4280			8560	2440	8560	10430	650	2650	3500	3	12.1	16.0	3.23
5000		6800				11800	3740	5080			8820	2510	8820	10900	670	2760	3670	3.1	12.6	16.8	3.20
6800		6800				13600	4550	4550			9100	3110	9100	11000	690	2830	3740	3.2	13.0	17.1	3.22
2000		2000	2000			6000	2000	2000	2000		6000	1760	6000	7270	640	1870	2460	2.9	8.6	11.3	3.21
2000		2000	2500			6500	2000	2000	2500		6500	1760	6500	7900	640	2010	2660	2.9	9.2	12.2	3.23
2000		2000	3500			7500	2000	2000	3500		7500	2280	7500	8850	650	2260	2980	3	10.3	13.6	3.32
2000	2000	5000			9000	1930	1930	4830		8690	2310	8690	10270	660	2610	3450	3	11.9	15.8	3.33	
2000	2000	6800			10800	1660	1660	5650		8970	2550	8970	10430	680	2680	3530	3.1	12.3	16.2	3.35	
2000	2500	2500			7000	2240	7000	8370	640	2110	2820	2.9	9.7	12.9	3.32						
2000	2500	3500			8000	2280	8000	9320	650	2350	3130	3	10.8	14.3	3.40						
2000	2500	5000			9500	1850	2310	4620	670	2610	3450	3	11.9	15.8	3.36						
2000	2500	6800			11300	1550	1940	5270	680	2880	3530	3.1	12.3	16.2	3.27						
2000	3500	3500			9000	1930	3380	3380	650	2600	3440	3	11.9	15.7	3.34						
2000	3500	5000			10500	1700	2980	4250	670	2660	3510	3.1	12.2	16.1	3.36						
2000	3500	6800			12300	1460	2550	4950	690	2730	3630	3.2	12.5	16.6	3.28						
2000	5000	5000			12000	1480	3710	3710	680	2720	3630	3.1	12.4	16.6	3.27						
2000	5000	6800			13800	1340	3360	4560	700	2840	3750	3.2	13.0	17.2	3.26						
2000	6800	6800			15600	1260	4270	4270	720	2860	3770	3.3	13.1	17.3	3.43						
2500	2500	2500			7500	2500	2500	2500	640	2250	2970	2.9	10.3	13.6	3.33						
2500	2500	3500			8500	2280	8500	9950	650	2500	3340	3	11.4	15.3	3.40						
2500	2500	5000			10000	2210	2210	4430	660	2610	3450	3	11.9	15.8	3.39						
2500	2500	6800			11800	1880	1880	5110	680	2720	3630	3.1	12.4	16.6	3.26						
2500	3500	3500			9500	2310	3230	3230	650	2600	3440	3	11.9	15.7	3.37						
2500	3500	5000			11000	1980	2770	3950	670	2660	3510	3.1	12.2	16.1	3.27						
2500	3500	6800			12800	1770	2480	4810	690	2780	3690	3.2	12.7	16.9	3.26						
2500	5000	5000			12500	1800	3600	3600	680	2770	3680	3.1	12.7	16.8	3.25						
2500	5000	6800			14300	1640	3270	4450	700	2740	3750	3.2	12.5	17.2	3.42						
2500	6800	6800			16100	1520	4140	4140	720	2860	3770	3.3	13.1	17.3	3.43						
3500	3500	3500			10500	2980	2980	2980	660	2650	3500	3	12.1	16.0	3.37						
3500	3500	5000			12000	2600	2600	3710	670	2710	3620	3.1	12.4	16.6	3.29						
3500	3500	6800			13800	2350	2350	4560	690	2830	3740	3.2	13.0	17.1	3.27						
3500	5000	5000			13500	2390	3410	3410	690	2820	3740	3.2	12.9	17.1	3.27						
3500	5000	6800			15300	2240	3200	4360	710	2800	3760	3.2	12.8	17.2	3.50						
3500	6800	6800			17100	2000	3900	3900	730	2910	3780	3.3	13.3	17.3	3.37						
5000	5000	5000			15000	3260	3270	3270	700	2790	3750	3.2	12.8	17.2	3.51						
5000	5000	6800			16800	2920	2920	3960	720	2910	3770	3.3	13.3	17.3	3.37						

COOLING																					
Outdoor unit	Indoor unit combination					Cooling Capacity (W)					Capacity			Power Consumption			Current			EER	
	A	B	C	D	E	A	B	C	D	E	W			W			A				
	MIN			NOM			MAX			MIN			NOM			MAX					
AJ100FCJ5EH	2000	2000	2000			8000	2000	2000	2000	2000	8000	2350	8000	9320	670	2380	3160	3.1	10.9	14.5	3.36
	2000	2000	2500			8500	2000	2000	2000	2500	8500	2350	8500	9950	670	2520	3360	3.1	11.5	15.4	3.37
	2000	2000	3500			9500	1850	1850	1850	3230	8780	2380	8780	10270	680	2620	3470	3.1	12.0	15.9	3.35
	2000	2000	5000			11000	1580	1580	1580	3950	8690	2590	8690	10430	690	2690	3540	3.2	12.3	16.2	3.23
	2000	2000	2000	6800		12800	1420	1420	1420	4820	9080	2840	9080	10900	710	2800	3710	3.2	12.8	17.0	3.24
	2000	2000	2500	2500		9000	1930	1930	2420	2420	8700	2350	8700	10270	670	2620	3460	3.1	12.0	15.8	3.32
	2000	2000	2500	3500		10000	1770	1770	2210	3100	8850	2550	8850	10270	680	2620	3470	3.1	12.0	15.9	3.38
	2000	2000	2500	5000		11500	1530	1530	1910	3830	8800	2590	8800	10740	690	2730	3640	3.2	12.5	16.7	3.22
	2000	2000	2500	6800		13300	1380	1380	1720	4680	9160	3200	9160	10740	710	2800	3710	3.2	12.8	17.0	3.27
	2000	2000	3500	3500		11000	1580	1580	2770	2770	8700	2550	8700	10430	680	2680	3530	3.1	12.3	16.2	3.25
	2000	2000	3500	5000		12500	1440	1440	2520	3600	9000	2800	9000	10900	700	2790	3700	3.2	12.8	16.9	3.23
	2000	2000	3500	6800		14300	1310	1310	2290	4450	9360	3240	9360	11000	720	2780	3770	3.3	12.6	17.3	3.39
	2000	2000	5000	5000		14000	1330	1330	3320	3320	9300	3200	9300	11000	710	2850	3780	3.2	13.0	17.2	3.26
	2000	2000	5000	6800		15800	1240	1240	3100	4220	9800	3290	9800	11000	730	2870	3780	3.3	13.1	17.3	3.41
	2000	2500	2500	2500		9500	1850	2310	2310	2310	8780	2350	8780	10270	670	2620	3460	3.1	12.0	15.8	3.35
	2000	2500	2500	3500		10500	1700	2130	2130	2980	8940	2550	8940	10430	680	2670	3520	3.1	12.2	16.1	3.35
	2000	2500	2500	5000		12000	1480	1850	1850	3700	8880	2760	8880	10740	690	2730	3640	3.2	12.5		



# FJM Capacity Combination



COOLING																							
Outdoor unit	Indoor unit combination						Cooling Capacity (W)						Capacity			Power Consumption			Current			EER	
							A	B	C	D	E	Total	A	B	C	D	E	Total	W				A
	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX								
																			W				A
AJ100FCJ5EH	5 Unit	2000	2000	2000	2000	2000	10000	1900	1900	1900	1900	1900	9500	2630	9500	10270	700	2650	3490	3.2	12.1	16.0	3.58
		2000	2000	2000	2000	2500	10500	1820	1820	1820	1820	2270	9550	2630	9550	10430	700	2700	3550	3.2	12.4	16.2	3.54
		2000	2000	2000	2000	3500	11500	1680	1680	1680	1680	2940	9660	2660	9660	10740	710	2750	3650	3.2	12.6	16.7	3.51
		2000	2000	2000	2000	5000	13000	1540	1540	1540	1540	3840	10000	3240	10000	10900	720	2810	3720	3.3	12.9	17.0	3.56
		2000	2000	2000	2000	6800	14800	1350	1350	1350	1350	4600	10000	3330	10000	11000	740	2830	3790	3.4	13.0	17.3	3.53
		2000	2000	2000	2500	2500	11000	1750	1750	1750	2180	2180	9610	2630	9610	10430	700	2700	3550	3.2	12.4	16.2	3.56
		2000	2000	2000	2500	3500	12000	1620	1620	1620	2020	2830	9710	2840	9710	10740	710	2750	3650	3.2	12.6	16.7	3.53
		2000	2000	2000	2500	5000	13500	1480	1480	1480	1860	3700	10000	3240	10000	11000	720	2860	3770	3.3	13.1	17.3	3.50
		2000	2000	2000	2500	6800	15300	1310	1310	1310	1630	4440	10000	3330	10000	11000	740	2830	3790	3.4	13.0	17.3	3.53
		2000	2000	2000	3500	3500	13000	1540	1540	1540	2690	2690	10000	3200	10000	10900	710	2800	3710	3.2	12.8	17.0	3.57
		2000	2000	2000	3500	5000	14500	1380	1380	1380	2410	3450	10000	3290	10000	11000	730	2820	3780	3.3	12.9	17.3	3.55
		2000	2000	2000	3500	6800	16300	1230	1230	1230	2150	4160	10000	3380	10000	11000	750	2880	3800	3.4	13.2	17.4	3.47
		2000	2000	2000	5000	5000	16000	1240	1240	1240	3140	3140	10000	3330	10000	11000	740	2880	3790	3.4	13.2	17.3	3.47
		2000	2000	2500	2500	2500	11500	1680	1680	2100	2100	2100	9660	2630	9660	10740	700	2740	3650	3.2	12.5	16.7	3.53
		2000	2000	2500	2500	3500	12500	1600	1600	2000	2000	2800	10000	2840	10000	10900	710	2800	3710	3.2	12.8	17.0	3.57
		2000	2000	2500	2500	5000	14000	1430	1430	1790	1790	3560	10000	3240	10000	11000	720	2860	3770	3.3	13.1	17.3	3.50
		2000	2000	2500	2500	6800	15800	1270	1270	1580	1580	4300	10000	3330	10000	11000	740	2880	3790	3.4	13.2	17.3	3.47
		2000	2000	2500	3500	3500	13500	1480	1480	1860	2590	2590	10000	3200	10000	11000	710	2850	3760	3.2	13.0	17.2	3.51
		2000	2000	2500	3500	5000	15000	1330	1330	1680	2330	3330	10000	3290	10000	11000	730	2820	3780	3.3	12.9	17.3	3.55
		2000	2000	2500	3500	6800	16800	1190	1190	1490	2080	4050	10000	3380	10000	11000	750	2930	3800	3.4	13.4	17.4	3.41
		2000	2000	2500	5000	5000	16500	1210	1210	1520	3030	3030	10000	3330	10000	11000	740	2930	3790	3.4	13.4	17.3	3.41
		2000	2000	3500	3500	3500	14500	1370	1370	2420	2420	2420	10000	3240	10000	11000	720	2810	3770	3.3	12.9	17.3	3.56
		2000	2000	3500	3500	5000	16000	1250	1250	2190	2190	3120	10000	3290	10000	11000	730	2870	3780	3.3	13.1	17.3	3.48
		2000	2500	2500	2500	2500	12000	1620	2020	2020	2020	2020	9700	2800	9700	10740	700	2740	3650	3.2	12.5	16.7	3.54
		2000	2500	2500	2500	3500	13000	1550	1920	1920	1920	2690	10000	3200	10000	10900	710	2800	3710	3.2	12.8	17.0	3.57
		2000	2500	2500	2500	5000	14500	1390	1720	1720	1720	3450	10000	3240	10000	11000	720	2810	3770	3.3	12.9	17.3	3.56
		2000	2500	2500	2500	6800	16300	1240	1530	1530	1530	4170	10000	3330	10000	11000	740	2880	3790	3.4	13.2	17.3	3.47
		2000	2500	2500	3500	3500	14000	1440	1790	1790	2490	2490	10000	3200	10000	11000	710	2850	3760	3.2	13.0	17.2	3.51
		2000	2500	2500	3500	5000	15500	1290	1610	1610	2260	3230	10000	3290	10000	11000	730	2860	3780	3.3	13.1	17.3	3.50
		2000	2500	2500	3500	6800	17300	1160	1450	1450	2020	3920	10000	3380	10000	11000	750	2930	3800	3.4	13.4	17.4	3.41
		2000	2500	2500	5000	5000	17000	1180	1470	1470	2940	2940	10000	3330	10000	11000	740	2930	3790	3.4	13.4	17.3	3.41
		2000	2500	3500	3500	3500	15000	1340	1670	2330	2330	2330	10000	3240	10000	11000	720	2810	3770	3.3	12.9	17.3	3.56
		2000	2500	3500	3500	5000	16500	1210	1520	2120	2120	3030	10000	3290	10000	11000	730	2920	3780	3.3	13.4	17.3	3.42
		2000	3500	3500	3500	3500	16000	1240	2190	2190	2190	2190	10000	3240	10000	11000	720	2860	3770	3.3	13.1	17.3	3.50
		2500	2500	2500	2500	2500	12500	2000	2000	2000	2000	2000	10000	3000	10000	11000	700	2900	3700	3.2	13.3	16.9	3.45
		2500	2500	2500	2500	3500	13500	1850	1850	1850	1850	2600	10000	3200	10000	11000	710	2840	3760	3.2	13.0	17.2	3.52
		2500	2500	2500	2500	5000	16000	1670	1670	1670	1670	3320	10000	3240	10000	11000	720	2810	3770	3.3	12.9	17.3	3.56
		2500	2500	2500	2500	6800	16800	1490	1490	1490	1490	4040	10000	3330	10000	11000	740	2930	3790	3.4	13.4	17.3	3.41
		2500	2500	2500	3500	3500	14500	1720	1720	1720	2420	2420	10000	3200	10000	11000	710	2800	3760	3.2	12.8	17.2	3.57
		2500	2500	2500	3500	5000	16000	1560	1560	1560	2190	3130	10000	3290	10000	11000	730	2860	3780	3.3	13.1	17.3	3.50
2500	2500	3500	3500	3500	15500	1610	1610	2260	2260	2260	10000	3240	10000	11000	720	2850	3770	3.3	13.0	17.3	3.51		
2500	2500	3500	3500	5000	17000	1470	1470	2060	2060	2940	10000	3290	10000	11000	730	2920	3780	3.3	13.4	17.3	3.42		
2500	3500	3500	3500	3500	16500	1520	2120	2120	2120	2120	10000	3240	10000	11000	720	2910	3770	3.3	13.3	17.3	3.44		

- Cooling capacity is based on 27°CDB / 19°CWB (indoor temperature), 35°CDB (outdoor temperature).
- The above is the value for connecting with the following indoor units.  
- 2000, 2500, 3500, 5000, 6800W class: Wall Mounted [only for AR\*\*FSSDWUN, AR\*\*FSFPESNN, AR\*\*FSFPDGMN]
- Capacities are based on the following conditions:  
- Corresponding refrigerant piping length : 5m / - Level difference : 0m
- The total ability of connected a indoor unit is up to 17.3 kW (@ Cooling)
- It is impossible to connect the indoor unit for one room only.
- Power consumption include indoor unit power.

HEATING																								
Outdoor unit	Indoor unit combination						Cooling Capacity (W)						Capacity			Power Consumption			Current			EER		
							A	B	C	D	E	Total	A	B	C	D	E	Total	W				W	
	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX						
																			W				W	
AJ100FCJ5EH	3 Unit	2200					2200	2200					2200	1160	2200	3160	430	900	1080	2	4.1	4.9	2.44	
		3300					3300	3200					3200	1160	3200	4270	430	1070	1284	2	4.9	5.9	2.99	
		4000					4000	4000					4000	1190	4000	5210	440	1280	1536	2	5.9	7.0	3.13	
		6000					6000	6000					6000	1220	6000	7430	450	1800	2160	2.1	8.2	9.9	3.33	
		7800					7800	7800					7800	1270	7800	9640	470	2350	2820	2.2	10.8	12.9	3.32	
		2200	2200				4400	2200	2200					4400	1240	4400	5530	460	1250	1520	2.1	5.7	7.0	3.52
		2200	3300				5500	2200	3300					5500	1240	5500	6790	460	1520	1850	2.1	7.0	8.5	3.62
		2200	4000				6200	2200	4000					6200	1270	6200	7580	470	1700	2060	2.2	7.8	9.4	3.65
		2200	6000				8200	2200	6000					8200	1300	8200	10110	480	2240	2750	2.2	10.3	12.6	3.66
		2200	7800				10000	2200	7800					10000	1500	10000	12480	500	2790	3390	2.3	12.8	15.5	3.58
		3300	3300				6600	3300	3300					6600	1240	6600	8220	460	1820	2230	2.1	8.3	10.2	3.63
		3300	4000				7300	3300	4000					7300	1270	7300	9010	470	2010	2440	2.2	9.2	11.2	3.63
		3300	6000				9300	3300	6000					9300	1300	9300	11690	480	2590	3160	2.2	11.9	14.5	3.59
		3300	7800				11100	3150	7450					10600	1500	10600	1311							




# FJM Capacity Combination



HEATING																						
Outdoor unit	Indoor unit combination					Cooling Capacity (W)					Capacity			Power Consumption			Current			EER		
	A	B	C	D	E	Total	W			W			A									
							MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX							
AJ100FCJ5EH	4 Unit	2200	2200	2200	2200		8800	2200	2200	2200	2200	1400	8800	9800	520	2240	2700	2.4	10.3	12.4	3.93	
		2200	2200	2200	3300		9900	2140	2140	2140	3210	9630	1560	9630	11380	520	2550	3120	2.4	11.7	14.3	3.78
		2200	2200	2200	4000		10600	2010	2010	2010	3660	9690	1590	9690	12170	530	2730	3330	2.4	12.5	15.2	3.55
		2200	2200	2200	6000		12600	1730	1730	1730	4710	9900	1780	9900	12170	540	2740	3350	2.5	12.5	15.3	3.61
		2200	2200	2200	7800		14400	1630	1630	1630	5770	10660	1960	10660	12320	560	2810	3410	2.6	12.9	15.6	3.79
		2200	2200	3300	3300		11000	1950	1950	1950	2920	9740	1560	9740	11530	520	2590	3160	2.4	11.9	14.5	3.76
		2200	2200	3300	4000		11700	1840	1840	1840	3350	9790	1590	9790	11850	530	2680	3250	2.4	12.3	14.9	3.65
		2200	2200	3300	6000		13700	1610	1610	1610	4380	10010	1890	10010	12170	540	2740	3350	2.5	12.5	15.3	3.65
		2200	2200	3300	7800		15500	1530	1530	1530	5410	10760	1960	10760	12480	560	2850	3450	2.6	13.0	15.8	3.78
		2200	2200	4000	4000		12400	1750	1750	1750	3190	9880	1750	9880	12170	530	2730	3340	2.4	12.5	15.3	3.62
		2200	2200	4000	6000		14400	1630	1630	1630	4440	10660	1930	10660	12320	550	2790	3390	2.5	12.8	15.5	3.82
		2200	2200	4000	7800		16200	1470	1470	1470	5210	10820	2280	10820	12800	570	2900	3540	2.6	13.3	16.2	3.73
		2200	2200	6000	6000		16400	1460	1460	1460	3970	10860	2240	10860	12800	560	2890	3530	2.6	13.2	16.2	3.76
		2200	2200	6000	7800		18200	1330	1330	1330	4710	11000	2320	11000	12960	580	2960	3600	2.7	13.5	16.5	3.72
		2200	3300	3300	3300		12100	1790	2690	2690	2690	9860	1720	9860	12170	520	2720	3330	2.4	12.4	15.2	3.63
		2200	3300	3300	4000		12800	1710	2560	2560	3100	9930	1750	9930	12320	530	2770	3370	2.4	12.7	15.4	3.58
		2200	3300	3300	6000		14800	1590	2380	2380	4330	10680	1890	10680	12480	540	2830	3430	2.5	13.0	15.7	3.77
		2200	3300	3300	7800		16600	1440	2160	2160	5100	10860	2240	10860	12960	560	2940	3580	2.6	13.5	16.4	3.69
		2200	3300	4000	4000		13500	1630	2440	2960	2960	9990	1860	9990	12170	530	2730	3340	2.4	12.5	15.3	3.66
		2200	3300	4000	6000		15500	1530	2290	2780	4170	10770	1930	10770	12480	550	2840	3440	2.5	13.0	15.7	3.79
		2200	3300	4000	7800		17300	1400	2100	2540	4960	11000	2280	11000	12960	570	2940	3580	2.6	13.5	16.4	3.74
		2200	3300	6000	6000		17500	1390	2070	3770	3770	11000	2240	11000	12960	560	2940	3580	2.6	13.5	16.4	3.74
		2200	3300	6000	7800		19300	1250	1880	3420	4450	11000	2320	11000	13110	580	3000	3640	2.7	13.7	16.7	3.67
		2200	4000	4000	4000		14200	1560	2830	2830	2830	10050	1890	10050	12320	540	2780	3380	2.5	12.7	15.5	3.62
		2200	4000	4000	6000		16200	1470	2670	2670	4010	10820	2200	10820	12800	550	2880	3520	2.5	13.2	16.1	3.76
		2200	4000	4000	7800		18000	1350	2440	2440	4770	11000	2280	11000	12960	570	2950	3590	2.6	13.5	16.4	3.73
		2200	4000	6000	6000		18200	1330	2410	3630	3630	11000	2280	11000	12960	570	2940	3580	2.6	13.5	16.4	3.74
		2200	4000	6000	7800		20000	1210	2200	3300	4290	11000	2360	11000	13430	590	3050	3730	2.7	14.0	17.1	3.61
		2200	6000	6000	6000		20200	1190	3270	3270	3270	11000	2320	11000	13430	580	3050	3720	2.7	14.0	17.0	3.61
		3300	3300	3300	3300		13200	2490	2490	2490	2490	9960	1820	9960	12480	520	2810	3410	2.4	12.9	15.6	3.54
		3300	3300	3300	4000		13900	2380	2380	2380	2880	10020	1860	10020	12320	530	2770	3370	2.4	12.7	15.4	3.62
		3300	3300	3300	6000		15900	2240	2240	2240	4080	10800	2160	10800	12800	540	2870	3510	2.5	13.1	16.1	3.76
		3300	3300	3300	7800		17700	2050	2050	2050	4850	11000	2240	11000	12960	560	2940	3580	2.6	13.5	16.4	3.74
		3300	3300	4000	4000		14600	2410	2410	2920	2920	10660	1860	10660	12480	530	2820	3420	2.4	12.9	15.7	3.78
		3300	3300	4000	6000		16600	2160	2160	2620	3930	10870	2200	10870	12960	550	2920	3560	2.5	13.4	16.3	3.72
		3300	3300	4000	7800		18400	1970	1970	2400	4660	11000	2280	11000	13110	570	2990	3620	2.6	13.7	16.6	3.68
		3300	3300	6000	6000		18600	1950	1950	3550	3550	11000	2240	11000	13110	560	2980	3620	2.6	13.6	16.6	3.69
		3300	3300	6000	7800		20400	1780	1780	3240	4200	11000	2320	11000	13590	580	3090	3780	2.7	14.1	17.2	3.56
		3300	4000	4000	4000		15300	2320	2810	2810	2810	10750	1890	10750	12480	540	2830	3430	2.5	13.0	15.7	3.80
		3300	4000	4000	6000		17300	2100	2540	2540	3820	11000	2200	11000	12960	550	2930	3570	2.5	13.4	16.3	3.75
3300	4000	4000	7800		19100	1910	2300	2300	4490	11000	2280	11000	13110	570	2990	3630	2.6	13.7	16.6	3.68		
3300	4000	6000	6000		19300	1880	2280	3420	3420	11000	2280	11000	13110	570	2990	3620	2.6	13.7	16.6	3.68		
4000	4000	4000	4000		16000	2700	2700	2700	2700	10800	2160	10800	12800	540	2870	3510	2.5	13.1	16.1	3.76		
4000	4000	4000	6000		18000	2440	2440	2440	3680	11000	2240	11000	12960	560	2930	3570	2.6	13.4	16.3	3.75		
4000	4000	4000	7800		19800	2220	2220	2220	4340	11000	2320	11000	13430	580	3040	3720	2.7	13.9	17.0	3.62		
4000	4000	6000	6000		20000	2200	2200	3300	3300	11000	2280	11000	13430	570	3040	3710	2.6	13.9	17.0	3.62		

HEATING																							
Outdoor unit	Indoor unit combination					Cooling Capacity (W)					Capacity			Power Consumption			Current			EER			
	A	B	C	D	E	Total	W			W			A										
							MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX								
AJ100FCJ5EH	5 Unit	2200	2200	2200	2200	2200	11000	2200	2200	2200	2200	1650	11000	13110	550	2970	3610	2.5	13.6	16.5	3.70		
		2200	2200	2200	2200	3300	12100	2080	2080	2080	3120	11440	1820	11440	12960	550	2930	3570	2.5	13.4	16.3	3.90	
		2200	2200	2200	2200	4000	12800	1990	1990	1990	3620	11580	1850	11580	13110	560	2980	3610	2.6	13.6	16.5	3.89	
		2200	2200	2200	2200	6000	14800	1710	1710	1710	4660	11500	2000	11500	13430	570	3040	3710	2.6	13.9	17.0	3.78	
		2200	2200	2200	2200	7800	16600	1580	1580	1580	5610	11930	2360	11930	13750	590	3140	3810	2.7	14.4	17.4	3.80	
		2200	2200	2200	3300	3300	13200	1950	1950	1950	2930	2930	11710	1930	11710	13430	550	3020	3690	2.5	13.8	16.9	3.88
		2200	2200	2200	3300	4000	13900	1880	1880	1880	2820	3420	11880	1960	11880	13110	560	2980	3610	2.6	13.6	16.5	3.99
		2200	2200	2200	3300	6000	15900	1630	1630	1630	2440	4450	11780	2280	11780	13590	570	3080	3750	2.6	14.1	17.2	3.82
		2200	2200	2200	3300	7800	17700	1490	1490	1490	2240	5290	12000	2360	12000	13900	590	3190	3860	2.7	14.6	17.7	3.76
		2200	2200	2200	4000	4000	14600	1730	1730	1730	3140	3140	11470	1960	11470	13430	560	3030	3700	2.6	13.9	16.9	3.79
		2200	2200	2200	4000	6000	16600	1580	1580	1580	2880	4320	11940	2320	11940	13750	580	3130	3800	2.7	14.3	17.4	3.81
		2200	2200	2200	4000	7800	18400	1430	1430	1430	2620	5090	12000	2400	12000	14000	600	3240	3940	2.7	14.8	18.0	3.70
		2200	2200	2200	6000	6000	18600	1420	1420	1420	3870	3870	12000	2360	12000	14000	590	3230	3940	2.7	14.8	18.0	3.72
		2200	2200	3300	3300	3300	14300	1840	1840	1840	2760	2760	11960	1930	11960	13430	550						











**CAC** Lineup - Outdoor Units

TYPE	PHASE	CAPACITY	2.6 kW	3.5 kW	5.2 kW	6.0 kW	7.1 kW	9.0 kW	10.0 kW	12.5 kW	14.0 kW
SMART INVERTER	PREMIUM	1PHASE									
		3PHASE									
	DELUXE	1PHASE									
		3PHASE									
R INVERTER	1PHASE										



TYPE	CAPACITY
FLAGSHIP (One Size)	10.0 kW
	

# CAC Lineup & Feature - Indoor Units







## Cassette

MODEL	Flagship	Premium	Deluxe	Mini 4Way S	Slim 1Way
					
		4Way Cassette S			
CAPACITY					
2.6				•	•
3.5				•	•
5.2			•	•	
6.0				•	
7.1		•	•	•	
9.0		•	•		
10.0	•	•	•	•	
12.5		•	•		
14.0		•	•		
FEATURES					
 Powerful Airflow	•	•	•	•	•
 Ceiling Dust Prevention	•	•	•	•	•
 Fresh Air Intake	•	•	•	•	
 High Lift-up Drain Pump	•	•	•	•	•
 Sub Duct	•	•	•	•	








## Wall-mounted

MODEL	Maldives
CAPACITY	
2.6	•
3.5	•
5.2	•
7.1	•
FEATURES	
 Full HD Filter	•
 Smart Inverter	•
good sleep	•

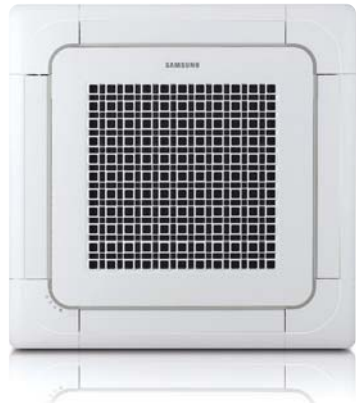
## Duct

MODEL	MSP	Slim
		
CAPACITY		
2.6		
3.5		•
5.2	•	•
6.0		
7.1	•	•
9.0	•	
10.0	•	
12.5	•	
14.0	•	
FEATURES		
 Pre Filter	•	•
 Easy Filter Cleaning	•	•
 High Lift-up Drain Pump	•	•
 Smart Pressure Control	•	•

## Console & Ceiling

MODEL	Console	Ceiling
		
CAPACITY		
2.6	•	
3.5	•	
5.2	•	•
7.1		•
FEATURES		
 Virus Doctor	•	
 Interior Design	•	•
 Anti-virus Filter	•	•
 Lightweight Unit	•	•
 Flexible Pipe Installation	•	•

# CAC Specification - Indoor Units



## 4Way Cassette S

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



Flagship

Premium

Model Name	Indoor Unit	AC100FB4FEH	AC071FB4PEH	AC090FB4PEH	AC100FB4PEH	AC100FB4PEH	NS1254PXE A
Mode	Outdoor Unit	AC100FCAFEH	AC071FCAPEH	AC090FCAPEH	AC100FCAPEH	AC100FCAPEH	RC125PHXGA
Capacity (Nominal)	Cooling (Min. / Std. / Max.)	4.40/10.00/12.00	2.20/7.10/8.00	2.50/9.00/10.00	3.50/10.00/12.00	3.50/10.00/12.00	3.50/12.50/14.00
	Heating (Min. / Std. / Max.)	15.00/34.100/40.900	7.500/24.200/27.300	8.500/30.700/34.100	11.900/34.100/40.900	11.900/34.100/40.900	11.900/42.700/47.800
Power	Power Input (Nominal)	1.05/2.38/3.10	0.35/1.97/4.00	0.60/2.65/3.70	0.80/2.50/3.80	0.80/2.50/3.80	0.80/3.47/4.80
	Current Input (Nominal)	4.60/11.50/24.00	2.00/9.50/21.00	3.00/13.30/18.70	2.10/4.20/12.00	2.10/4.20/12.00	2.10/5.80/12.00
	MCA	25.00 (MCA)	20.30 (MCA)	25.00 (MCA)	13.00 (MCA)	13.00 (MCA)	13.00 (MCA)
Energy Efficiency	EER (Nominal Cooling)	30.00	25.00	30.00	15.00	15.00	30.00
	COP (Nominal Heating)	4.55	3.81	3.80	4.00	4.00	3.60
	Energy Grade	Energy Grade (C) 6.7(A++)	Energy Grade (C) 6.4(A++)	Energy Grade (C) 6.4(A++)	Energy Grade (C) 6.4(A++)	Energy Grade (C) 6.4(A++)	Energy Grade (C) A
Piping Connections	Liquid Pipe	9.52	6.35	9.52	9.52	9.52	9.52
	Gas Pipe	15.88	15.88	15.88	15.88	15.88	15.88
	Installation Limitation	75(75)	50(55)	50(55)	75(75)	75(75)	75(75)
Field Wiring	Power Source Wire	4.0 ~ 6.0	2.5 ~ 4.0	2.5 ~ 4.0	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.25	0.75 ~ 1.0	0.75 ~ 1.0	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25
Refrigerant	Type	R410A	R410A	R410A	R410A	R410A	R410A
	Control Method	-	-	-	-	-	-
	Factory Charging	3.80	1.80	3.00	3.40	3.40	3.40
<b>INDOOR UNIT</b>							
Power Supply	Type	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	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Number of Unit	1.00	1.00	1.00	1.00	1.00	1.00
	Air Flow Rate	32.00/28.00/22.00	21.00/19.00/17.00	27.00/24.00/20.00	30.00/24.00/18.90	30.00/24.00/18.90	32.00/28.00/22.00
	External Static Pressure	533.33/466.67/366.67	350.00/316.67/283.33	450.00/400.00/333.33	500.00/400.00/315.00	500.00/400.00/315.00	533.33/466.67/366.67
Drain	Drain Pipe	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	Sound Pressure	45.00/38.5/32.0	37.00/33.0/28.0	42.00/37.0/32.0	44.00/39.0/34.0	44.00/39.0/34.0	44.00/40.0/36.0
External Dimension	Net Weight	20.00	17.00	18.00	21.00	21.00	20.00
	Shipping Weight	25.00	22.00	23.00	26.00	26.00	26.00
	Net Dimensions (WxHxD)	840 x 288 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)	898 x 357 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
Panel Size	Panel model	PC4NUSKE	PC4NUSKE	PC4NUSKE	PC4NUSKE	PC4NUSKE	PC4NUSKE
	Panel Net Weight	5.90	5.90	5.90	5.90	5.90	5.90
	Shipping Weight	8.40	8.40	8.40	8.40	8.40	8.40
	Net Dimensions (WxHxD)	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 (WxHxD)	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	-	-	-	-	-	-
	Max. lifting Height / Displacement	-	-	-	-	-	-
	Air Filter	-	-	-	-	-	-
<b>OUTDOOR UNIT</b>							
Power Supply	Type	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
Compressor	Model	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Output	UG5T450FJXJSG	UG4T200FJAE4SG	UG8T300FJUEJUSG	UG5T450FJXJSG	UG5T450FJXJSG	UG5T450FJXJSG
	Oil	4.01	1.79	2.82	4.12	4.12	4.12
	Initial Charge	1700.00	650.00	1200.00	1700.00	1700.00	1700.00
Fan	Air Flow Rate	112.00	50.00	63.50	91.00	91.00	90.50
	Sound Pressure	1,866.67	833.33	1,058.33	1,516.67	1,516.67	1,508.33
Sound	Sound Pressure	49.0 / 51.0	49.0 / 51.0	52.0 / 53.0	50.0 / 52.0	50.0 / 52.0	51.0 / 52.0
External Dimension	Net Weight	98.00	55.00	72.00	91.00	88.00	88.00
	Shipping Weight	108.00	59.00	77.00	101.00	98.00	98.00
	Net Dimensions (WxHxD)	940 x 1420 x 330	880 x 798 x 310	940 x 998 x 330	940 x 1210 x 330	940 x 1210 x 330	940 x 1210 x 330
	Shipping Dimensions (WxHxD)	1009 x 1578 x 419	1023 x 891 x 413	995 x 1096 x 426	995 x 1338 x 426	995 x 1338 x 426	995 x 1338 x 426
Operating Temp. Range	Cooling	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50
	Heating	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24

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### Optional Accessories



# CAC Specification - Indoor Units



## 4Way Cassette S

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



		Premium			Deluxe			
Model Name	Indoor Unit	NS1254PXE RC125PHXE	NS1404PXE RC140PHXE	NS1404PXE RC140PHXE	AC052FB4DEH AC052FCADEH	AC071FB4DEH AC071FCADEH	AC090FB4DEH AC090FCADEH	
Mode	Outdoor Unit	-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Capacity (Nominal)	Cooling (Min. / Std. / Max.)	kW 11,900/42,700/47,800	4.40/14.00/15.50 15,000/47,800/52,900	4.40/14.00/15.50 15,000/47,800/52,900	1.00/5.10/6.00 3,400/17,400/20,500	2.20/7.10/8.00 7,500/24,200/27,300	3.00/9.00/10.00 10,200/30,700/34,100	
	Heating (Min. / Std. / Max.)	kW 11,900/47,800/55,300	3.50/16.00/20.00 11,900/54,600/68,200	3.50/16.00/20.00 11,900/54,600/68,200	1.90/5.70/7.00 3,400/19,400/23,900	1.90/8.00/9.00 6,500/27,300/30,700	2.20/10.00/13.90 7,500/34,100/47,400	
Power	Power Input (Nominal)	Cooling (Min. / Std. / Max.) kW 0.80/3.47/4.80	1.05/4.00/5.40 0.87/4.10/6.50	1.05/4.00/5.40 0.87/4.10/6.50	0.33/1.54/2.10 0.25/1.46/1.90	0.35/2.21/4.00 0.35/2.22/4.00	0.60/2.99/3.70 0.46/2.93/5.20	
	Current Input (Nominal)	Cooling (Min. / Std. / Max.) A 3.70/15.50/24.00	4.60/17.80/24.00 4.00/18.70/28.00	4.60/17.80/24.00 4.00/18.70/28.00	2.10/7.10/12.00 2.00/7.20/16.10	2.00/10.00/21.00 1.50/7.00/8.60	3.00/12.70/18.70 2.50/12.50/22.70	
	MCA	A 25.00 (MCA)	33.00 (MCA)	33.00 (MCA)	13.00 (MCA)	10.80 (MCA)	24.70 (MCA)	
	MFA	A 30.00	40.00	40.00	15.00	13.13	25.00	
Energy Efficiency	EER (Nominal Cooling)	-	3.60	3.50	3.31	3.21	3.01	
	COP (Nominal Heating)	-	3.90	3.90	3.90	3.60	3.41	
	Energy Grade	-	Energy Grade (C) A Energy Grade (H) A	Energy Grade (C) A Energy Grade (H) A	Energy Grade (C) A Energy Grade (H) A	Energy Grade (C) 6.0(A++) Energy Grade (H) 4.0(A+)	Energy Grade (C) 6.0(A++) Energy Grade (H) 3.9(A)	Energy Grade (C) 5.6(A++) Energy Grade (H) 3.8(A)
Piping Connections	Liquid Pipe	Φ, mm Φ, inch	9.52 3/8"	9.52 3/8"	6.35 1/4"	6.35 1/4"	9.52 3/8"	
	Gas Pipe	Φ, mm Φ, inch	15.88 5/8"	15.88 5/8"	12.70 1/2"	15.88 5/8"	15.88 5/8"	
	Installation Limitation	Max. Length (Outdoor to indoor) Max. Height (Between ID/OD)	m m	75(75) 30(30)	75(75) 30(30)	30(35) 20(20)	50(55) 30(30)	50(55) 30(30)
	Field Wiring	Power Source Wire Transmission Cable	- -	2.5 ~ 4.0 0.75 ~ 1.25	4.0 ~ 6.0 0.75 ~ 1.25	1.5 ~ 2.5 0.75 ~ 1.25	2.5 ~ 4.0 0.75 ~ 1.0	2.5 ~ 4.0 0.75 ~ 1.25
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A	
	Control Method	-	-	-	-	-	-	
Factory Charging	kg	3.40	3.80	3.80	1.40	1.80	3.00	
<b>INDOOR UNIT</b>								
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	1,220-240,50	
Type	-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	
Motor	Output	W	-	-	-	-	-	
Number of Unit	EA	1.00	1.00	1.00	1.00	1.00	1.00	
Air Flow Rate	High / Mid / Low	CMM l/s	32.00/28.00/22.00 533.33/466.67/366.67	32.00/28.00/22.00 533.33/466.67/366.67	17.00/15.50/13.00 283.33/258.33/216.67	19.50/16.50/14.50 325.00/275.00/241.67	24.50/21.00/17.50 408.33/350.00/291.67	
External Static Pressure	Min / Std / Max	mmAq Pa	- -	- -	- -	- -	- -	
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)	
Sound	Sound Pressure	High / Mid / Low	dB(A) 44.00/40.0/36.0	dB(A) 45.00/41.5/38.0	dB(A) 35.00/32.0/29.0	dB(A) 37.00/35.0/30.0	dB(A) 40.00/36.0/32.0	
External Dimension	Net Weight	kg	20.00	20.00	15.00	15.00	16.00	
	Shipping Weight	kg	26.00	26.00	19.50	20.50	20.50	
	Net Dimensions (WxHxD)	mm	840 x 288 x 840	840 x 288 x 840	840 x 204 x 840	840 x 204 x 840	840 x 246 x 840	
	Shipping Dimensions (WxHxD)	mm	898 x 357 x 898	898 x 357 x 898	898 x 274 x 898	898 x 274 x 898	898 x 316 x 898	
Panel Size	Panel model	-	PC4NUSKE	PC4NUSKE	PC4NUSKE	PC4NUSKE	PC4NUSKE	
	Panel Net Weight	kg	5.90	5.90	5.90	5.90	5.90	
	Shipping Weight	kg	8.40	8.40	8.40	8.40	8.40	
	Net Dimensions (WxHxD)	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	
Additional Accessories	Drain pump	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	
	Air Filter	mm / liter/h	-	-	-	-	-	
<b>OUTDOOR UNIT</b>								
Power Supply	Φ, #, V, Hz	1,220-240,50	1,220-240,50	3,4380-415,50	1,220-240,50	1,220-240,50	1,220-240,50	
Compressor	Type	-	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	
Model	-	UG5T450FUEJXSG	UG5T450FUEJXSG	UG5T450FUEJXSG	UG4T150FUEJQJ	UG4T150FUEJQJ	UG8T300FUEJUSG	
Output	kW	4.12	4.01	4.01	1.37	1.79	2.82	
Oil	Type	-	POE	POE	POE	POE	POE	
Initial Charge	cc	1700.00	1700.00	1700.00	650.00	650.00	1200.00	
Fan	Air Flow Rate	Cooling	CMM l/s	90.50 1,508.33	101.00 1,683.33	50.00 833.33	63.50 1,058.33	
Sound	Sound Pressure	Cooling / Heating	dB(A) 51.0 / 52.0	51.0 / 53.0	48.0 / 49.0	49.0 / 51.0	51.0 / 52.0	
External Dimension	Net Weight	kg	88.00	98.00	101.00	55.00	72.00	
	Shipping Weight	kg	98.00	108.00	111.00	42.50	77.00	
	Net Dimensions (WxHxD)	mm	940 x 1210 x 330	940 x 1420 x 330	940 x 1420 x 330	790 x 548 x 285	880 x 798 x 310	
	Shipping Dimensions (WxHxD)	mm	995 x 1338 x 426	1009 x 1548 x 419	1009 x 1548 x 419	926 x 655 x 382	1023 x 891 x 413	
Operating Temp. Range	Cooling	°C	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50	
	Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	

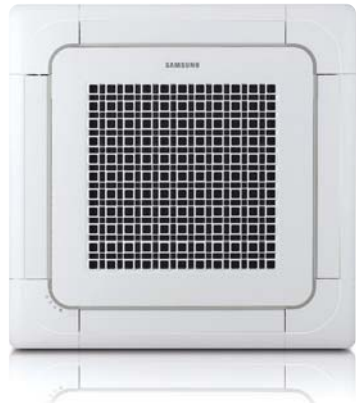
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### Optional Accessories





# CAC Specification - Indoor Units



## 4Way Cassette S

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



Deluxe

Model Name	Indoor Unit	AC100FB4DEH	AC100FB4DEH	NS1254DXEA	NS1254DXEA	NS1404DXEA	NS1404DXEA
Mode	Outdoor Unit	AC100FCADGH	AC100FCADGH	RC125DHXEB	RC125DHXGA	RC140DHXEB	RC140DHXGA
Capacity (Nominal)	Cooling (Min. / Std. / Max.)	4.00/10.00/12.00	3.20/10.00/12.00	3.50/12.50/14.00	3.50/12.50/14.00	3.50/14.00/15.50	3.50/14.00/15.50
	Heating (Min. / Std. / Max.)	13.600/34.100/40.900	10.900/34.100/40.900	11.900/42.700/47.800	11.900/42.700/47.800	11.900/47.800/52.900	11.900/47.800/52.900
Power	Power Input (Nominal)	0.90/3.32/4.70	0.60/3.32/4.70	0.80/3.89/4.50	0.80/3.89/4.50	0.80/4.36/5.40	0.80/4.36/5.40
	Current Input (Nominal)	1.60/5.10/7.80	3.00/15.10/20.50	4.00/18.00/20.00	4.00/18.00/20.00	3.70/20.00/24.00	3.70/20.00/24.00
Energy Efficiency	EER (Nominal Cooling)	3.41	3.01	3.21	3.21	3.61	3.61
	Energy Grade	Energy Grade (C) 5.6(A+)	Energy Grade (C) 5.6(A+)	Energy Grade (C) A	Energy Grade (C) A	Energy Grade (C) A	Energy Grade (C) A
Piping Connections	Liquid Pipe	9.52	9.52	9.52	9.52	9.52	9.52
	Gas Pipe	15.88	15.88	15.88	15.88	15.88	15.88
Field Wiring	Power Source Wire	1.5 ~ 2.5	2.5 ~ 4.0	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
Refrigerant	Type	R410A	R410A	R410A	R410A	R410A	R410A
	Control Method	-	-	-	-	-	-
	Factory Charging	3.10	3.00	2.90	2.90	3.40	3.40
<b>INDOOR UNIT</b>							
Power Supply	Type	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	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Number of Unit	1.00	1.00	1.00	1.00	1.00	1.00
	Air Flow Rate	28.00/25.50/22.00	28.00/25.50/22.00	30.00/24.00/19.00	30.00/24.00/19.00	32.00/28.00/22.00	32.00/28.00/22.00
	External Static Pressure	466.67/425.00/366.67	466.67/425.00/366.67	500.00/400.00/316.67	500.00/400.00/316.67	533.33/466.67/366.67	533.33/466.67/366.67
Drain	Drain Pipe	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	Sound Pressure	44.00/39.0/34.0	44.00/39.0/34.0	44.00/40.0/36.0	44.00/40.0/36.0	45.00/41.5/38.0	45.00/41.5/38.0
External Dimension	Net Weight	16.00	16.00	18.00	18.00	20.00	20.00
	Shipping Weight	20.50	20.50	24.00	24.00	26.00	26.00
	Net Dimensions (WxHxD)	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)	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
Panel Size	Panel model	PC4NUSKE	PC4NUSKE	PC4NUSKE	PC4NUSKE	PC4NUSKE	PC4NUSKE
	Panel Net Weight	5.90	5.90	5.90	5.90	5.90	5.90
	Shipping Weight	8.40	8.40	8.40	8.40	8.40	8.40
	Net Dimensions (WxHxD)	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 (WxHxD)	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	-	-	-	-	-	-
	Max. lifting Height / Displacement	-	-	-	-	-	-
	Air Filter	-	-	-	-	-	-
<b>OUTDOOR UNIT</b>							
Power Supply	Type	3,4,380-415,50	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
Compressor	Model	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Output	UG5T450FUFJXSG	UG8T300FUFJXSG	UG5T450FUFJXSG	UG5T450FUFJXSG	UG5T450FUFJXSG	UG5T450FUFJXSG
	Oil	4.12	2.82	4.12	4.12	4.12	4.12
	Initial Charge	1700.00	1200.00	1700.00	1700.00	1700.00	1700.00
Fan	Air Flow Rate	68.00	68.00	90.50	90.50	1700.00	1700.00
	Sound Pressure	52.0 / 54.0	52.0 / 54.0	51.0 / 52.0	51.0 / 52.0	52.0 / 54.0	52.0 / 54.0
External Dimension	Net Weight	81.00	72.00	88.00	88.00	91.00	91.00
	Shipping Weight	86.00	77.00	98.00	98.00	101.00	101.00
	Net Dimensions (WxHxD)	940 x 998 x 330	940 x 998 x 330	940 x 1210 x 330	940 x 1210 x 330	940 x 1210 x 330	940 x 1210 x 330
	Shipping Dimensions (WxHxD)	995 x 1096 x 426	995 x 1096 x 426	995 x 1338 x 426	995 x 1338 x 426	995 x 1338 x 426	995 x 1338 x 426
Operating Temp. Range	Cooling	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50
	Heating	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24

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### Optional Accessories



# CAC Specification - Indoor Units



## Mini 4Way Cassette S

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



Model Name	Indoor Unit	AC026FBNDEH AC026FCADEH	AC036FBNDEH AC036FCADEH	AC056FBNDEH AC056FCADEH	AC066FBNDEH AC066FCADEH	AC076FBNDEH AC076FCADEH	
Mode	-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Capacity (Nominal)	Cooling (Min. / Std. / Max.)	0.99/2.60/3.50 3,400/8,900/11,900	0.99/3.50/4.20 3,400/11,900/14,300	1.30/5.00/5.90 4,400/17,100/20,100	1.80/5.80/6.50 6,100/19,800/22,200	2.00/6.80/7.50 6,800/23,200/25,600	
	Heating (Min. / Std. / Max.)	0.98/3.30/4.60 3,300/11,300/15,700	0.98/4.00/5.00 3,300/13,600/17,100	1.30/5.00/7.50 4,400/18,800/25,600	1.60/7.00/9.00 5,500/23,900/30,700	1.60/7.50/10.00 5,500/25,600/34,100	
Power	Power Input (Nominal)	Cooling (Min. / Std. / Max.) 0.23/0.73/1.13	0.24/1.09/1.45	0.31/1.66/2.10	0.38/1.81/2.60	0.39/2.26/2.60	
	Heating (Min. / Std. / Max.)	0.18/0.90/1.40	0.18/1.11/1.40	0.35/1.61/2.40	0.35/2.18/3.60	0.35/2.41/3.80	
	Current Input (Nominal)	Cooling (Min. / Std. / Max.) 1.60/3.70/5.50	1.60/5.60/6.80	2.60/7.50/9.50	1.90/8.30/11.50	1.90/10.20/11.50	
	Heating (Min. / Std. / Max.)	1.20/4.60/6.60	1.20/5.70/6.70	2.90/7.50/11.00	1.70/10.00/17.30	1.70/10.70/17.60	
Energy Efficiency	MCA	A	A	A	A	A	
	MFA	A	A	A	A	A	
	EER (Nominal Cooling)	12.50	12.50	13.13	25.00	25.00	
	COP (Nominal Heating)	3.56	3.21	3.01	3.20	3.01	
Energy Grade	-	3.67	3.60	3.42	3.20	3.11	
	-	Energy Grade (C) 6.70 (A++) Energy Grade (H) 4.00 (A+)	Energy Grade (C) 6.50 (A++) Energy Grade (H) 4.00 (A+)	Energy Grade (C) 6.30 (A++) Energy Grade (H) 3.80 (A)	Energy Grade (C) 6.20 (A++) Energy Grade (H) 3.80 (A)	Energy Grade (C) 6.10 (A++) Energy Grade (H) 3.80 (A)	
Piping Connections	Liquid Pipe	Φ, mm	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	12.70	15.88	15.88
	Φ, inch	3/8"	3/8"	1/2"	5/8"	5/8"	
Installation Limitation	Max. Length (Outdoor to indoor)	m	20(25)	20(25)	30(35)	50(55)	
	Max. Height (Between ID/OD)	m	15(15)	15(15)	20(20)	30(30)	
Field Wiring	Power Source Wire	-	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	
Refrigerant	Type	-	R410A	R410A	R410A	R410A	
	Control Method	-	-	-	-	-	
	Factory Charging	kg	0.95	0.95	1.40	1.80	
<b>INDOOR UNIT</b>							
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	
	Turbo Fan	-	-	-	-	-	
	Motor	Output	W	65.00	65.00	65.00	
	Number of Unit	EA	1.00	1.00	1.00	1.00	
	Air Flow Rate	High / Mid / Low	CMM	8.50/7.50/6.50	9.50/8.00/6.50	12.00/10.50/9.00	11.50/10.50/9.50
	External Static Pressure	Min / Std / Max	Pa	141.67/125.00/108.33	158.33/133.33/108.33	200.00/175.00/150.00	183.33/166.67/150.00
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)	
	Sound Pressure	High / Mid / Low	dB(A)	33.00/31.0/27.0	35.00/33.0/29.0	39.00/37.0/34.0	41.00/38.0/35.0
External Dimension	Net Weight	kg	11.00	11.00	11.70	12.00	
	Shipping Weight	kg	13.00	13.00	13.70	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	
	Shipping Dimensions (WxHxD)	mm	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	
	Panel Net Weight	kg	2.70	2.70	2.70	2.70	
	Shipping Weight	kg	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	
Additional Accessories	Drain pump	mm / liter/h	714 x 106 x 724	714 x 106 x 724	714 x 106 x 724	714 x 106 x 724	
	Air Filter	-	-	-	-	-	
<b>OUTDOOR UNIT</b>							
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	
	Compressor	-	Single BLDC Rotary	Single BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	
	Model	-	UG4C090LUDJR	UG4C090LUDJR	UG4T150FUDJQ	UG4T200FUA4SG	
	Output	kW	0.86	0.86	1.37	1.79	
Fan	Type	-	POE	POE	POE	POE	
	Initial Charge	cc	320.00	320.00	650.00	650.00	
Sound	Air Flow Rate	Cooling	CMM	29.00	30.00	33.00	
	Heating	483.33	500.00	550.00	833.33		
External Dimension	Sound Pressure	Cooling / Heating	dB(A)	46.0 / 47.0	47.0 / 48.0	48.0 / 49.0	
	Net Weight	kg	33.00	33.00	38.50	55.00	
	Shipping Weight	kg	37.00	37.00	42.50	59.00	
	Net 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	-10~46	-10~46	-15~46	-15~50	
	Heating	°C	-15~24	-15~24	-20~24	-20~24	

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### Optional Accessories



# CAC Specification - Indoor Units

## Slim 1Way Cassette



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



Model Name	Indoor Unit		AC026FB1DEH	AC035FB1DEH
Mode	Outdoor Unit		AC026FCADEH	AC035FCADEH
Capacity (Nominal)	Cooling (Min. / Std. / Max.)	-	HEAT PUMP	HEAT PUMP
		-	0.98/2.60/3.50	0.98/3.50/4.10
		-	3,300/8,900/11,900	3,300/11,900/14,000
	Heating (Min. / Std. / Max.)	-	0.95/3.30/4.60	0.95/4.00/4.75
		-	3,200/11,300/15,700	3,200/13,600/16,200
Power	Power Input (Nominal)	Cooling (Min. / Std. / Max.)	0.25/0.74/1.12	0.25/1.16/1.42
		Heating (Min. / Std. / Max.)	0.21/0.91/1.30	0.21/1.16/1.39
	Current Input (Nominal)	Cooling (Min. / Std. / Max.)	1.60/3.40/5.20	1.60/5.40/6.60
		Heating (Min. / Std. / Max.)	1.40/4.30/6.40	1.40/5.50/6.80
	MCA	A	10.30 (MCA)	10.30 (MCA)
	MFA	A	12.50	12.50
Energy Efficiency	EER (Nominal Cooling)	-	3.51	3.02
	COP (Nominal Heating)	-	3.63	3.45
	Energy Grade	-	Energy Grade (C) 5.60 (A+)	Energy Grade (C) 5.40 (A)
		-	Energy Grade (H) 3.80 (A)	Energy Grade (H) 3.80 (A)
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"
	Installation Limitation	Max. Length (Outdoor to indoor)	20(25)	20(25)
		Max. Height (Between ID/OD)	15(15)	15(15)
Field Wiring	Power Source Wire	-	1.5 ~ 1.5	1.5 ~ 1.5
	Transmission Cable	-	0.75 ~ 1.25	0.75 ~ 1.25
Refrigerant	Type	-	R410A	R410A
	Control Method	-	-	-
	Factory Charging	kg	0.95	0.95
<b>INDOOR UNIT</b>				
Power Supply	Φ, #, V, Hz	-	1,2,220-240,50	1,2,220-240,50
	Type	-	Crossflow Fan	Crossflow Fan
	Motor	Output	20.00	20.00
	Number of Unit	EA	1.00	1.00
	Air Flow Rate	High / Mid / Low	8.00/7.00/6.00	9.50/8.00/6.50
		l/s	133.33/116.67/100.00	158.33/133.33/108.33
	External Static Pressure	Min / Std / Max	-	-
		Pa	-	-
Drain	Drain Pipe	Φ, mm	VP20 (OD 26, ID 20)	VP20 (OD 26, ID 20)
Sound	Sound Pressure	High / Mid / Low	30.00/27.5/25.0	33.00/30.0/27.0
External Dimension	Net Weight	kg	9.90	9.90
	Shipping Weight	kg	12.50	12.50
	Net Dimensions (WxHxD)	mm	970 x 135 x 410	970 x 135 x 410
	Shipping Dimensions (WxHxD)	mm	1173 x 231 x 487	1173 x 231 x 487
Panel Size	Panel model	-	PSSMA	PSSMA
	Panel Net Weight	kg	3.10	3.10
	Shipping Weight	kg	4.50	4.50
	Net Dimensions (WxHxD)	mm	1180 x 25 x 460	1180 x 25 x 460
	Shipping Dimensions (WxHxD)	mm	1259 x 144 x 539	1259 x 144 x 539
Additional Accessories	Drain pump	Drain pump	-	-
	Air Filter	Max. lifting Height / Displacement	-	-
		mm / liter/h	-	-
<b>OUTDOOR UNIT</b>				
Power Supply	Φ, #, V, Hz	-	1,2,220-240,50	1,2,220-240,50
Compressor	Type	-	Single BLDC Rotary	Single BLDC Rotary
	Model	-	UG4C090LUDJR	UG4C090LUDJR
	Output	KW	0.86	0.86
	Oil	Type	POE	POE
		Initial Charge	320.00	320.00
Fan	Air Flow Rate	Cooling	29.00	30.00
		Heating	483.33	500.00
Sound	Sound Pressure	Cooling / Heating	47.0 / 47.0	47.0 / 47.0
External Dimension	Net Weight	kg	33.00	33.00
	Shipping Weight	kg	37.00	37.00
	Net Dimensions (WxHxD)	mm	790 x 548 x 285	790 x 548 x 285
	Shipping Dimensions (WxHxD)	mm	926 x 655 x 382	926 x 655 x 382
Operating Temp. Range	Cooling	°C	-10~46	-10~46
	Heating	°C	-15~24	-15~24

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### Optional Accessories



### Standard Accessories



# CAC Specification - Indoor Units

## MSP Duct



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



Smart Inverter

Model Name	Indoor Unit	Outdoor Unit	AC052FBMDEH	AC071FBMDEH	AC090FBMDEH	AC100FBMDEH	AC100FBMDEH
Mode	-	-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Capacity (Nominal)	Cooling (Min. / Std. / Max.)	-	1.00/5.00/6.00	2.20/7.10/8.00	2.80/9.00/11.50	3.20/10.00/12.00	3.20/10.00/12.00
	Heating (Min. / Std. / Max.)	-	3.400/17.100/20.500	7.500/24.200/27.300	9.600/30.700/39.200	10.900/34.100/40.900	10.900/34.100/40.900
Power	Power Input (Nominal)	Cooling (Min. / Std. / Max.)	0.43/1.56/2.20	0.35/2.21/4.00	0.82/2.80/3.80	0.88/3.22/5.00	0.88/3.22/5.00
	Heating (Min. / Std. / Max.)	-	0.33/1.66/2.30	0.35/2.22/4.00	0.80/2.77/5.20	0.71/3.10/5.50	0.71/3.10/5.50
Energy Efficiency	EER (Nominal Cooling)	-	3.21	3.21	3.21	3.11	3.11
	COP (Nominal Heating)	-	3.61	3.60	3.61	3.61	3.61
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	9.52	9.52	9.52
	Gas Pipe	Φ, mm	12.70	15.88	15.88	15.88	15.88
Field Wiring	Power Source Wire	-	2.5 ~ 4.0	2.5 ~ 4.0	2.5 ~ 4.0	2.5 ~ 4.0	1.5 ~ 2.5
	Transmission Cable	-	0.75 ~ 1.25	0.75 ~ 1.0	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A
	Control Method	-	-	-	-	-	-
INDOOR UNIT	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
	Motor	Output	-	-	-	-	-
Drain	Drain Pipe	Φ, mm	20.00/18.00/15.50	22.00/20.00/17.50	33.00/31.00/28.00	33.00/31.00/28.00	33.00/31.00/28.00
	Sound Pressure	High / Mid / Low	333.33/300.00/258.33	366.67/333.33/291.67	550.00/516.67/466.67	550.00/516.67/466.67	550.00/516.67/466.67
External Dimension	Net Weight	kg	29.50	33.00	37.00	37.00	37.00
	Shipping Weight	kg	34.50	40.00	43.00	43.00	43.00
Panel Size	Net Dimensions (WxHxD)	mm	900 x 260 x 480	1150 x 260 x 480	1150 x 320 x 480	1150 x 320 x 480	1150 x 320 x 480
	Shipping Dimensions (WxHxD)	mm	1170 x 340 x 595	1420 x 340 x 595	1420 x 340 x 595	1420 x 340 x 595	1420 x 340 x 595
Additional Accessories	Drain pump	Max. lifting Height / Displacement	MDP-M07SSGU1	MDP-M07SSGU1	MDP-M07SSGU1	MDP-M07SSGU1	MDP-M07SSGU1
	Air Filter	-	-	-	-	-	-
OUTDOOR UNIT	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
	Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
Fan	Air Flow Rate	Cooling / Heating	33.00	52.00	63.50	63.50	1700.00
	Sound Pressure	-	49.0 / 49.0	49.0 / 51.0	51.0 / 53.0	52.0 / 53.0	52.0 / 53.0
External Dimension	Net Weight	kg	38.50	55.00	72.00	72.00	81.00
	Shipping Weight	kg	42.50	59.00	77.00	77.00	86.00
Operating Temp. Range	Cooling	°C	-15~46	-15~50	-15~50	-15~50	-15~50
	Heating	°C	-15~24	-20~24	-20~24	-20~24	-20~24

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### Optional Accessories



### Standard Accessories



# CAC Specification - Indoor Units

## MSP Duct



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



			Smart Inverter					
Model Name	Indoor Unit		NS12SDXEA	NS12SDXEA	NS14SDXEA	NS14SDXEA	NS14SDXEA	AC052FBMSEH
Mode	Outdoor Unit		RC12SDHXEB	RC12SDHXGA	RC14SDHXEB	RC14SDHXGA	RC14SDHXGA	AC052FCASEH
Capacity (Nominal)	Cooling (Min. / Std. / Max.)	kW	3.45/12.50/14.00	3.45/12.50/14.00	3.45/14.00/15.40	3.45/14.00/15.40	3.45/14.00/15.40	1.10/5.00/5.90
	Heating (Min. / Std. / Max.)	kW	11,800/42,700/47,800	11,800/42,700/47,800	11,800/47,800/52,500	11,800/47,800/52,500	11,800/47,800/52,500	3,800/17,100/20,100
Power	Power Input (Nominal)	kW	1.25/3.89/5.30	1.25/3.89/5.30	1.25/4.65/5.70	1.25/4.65/5.70	1.25/4.65/5.70	0.39/1.84/2.05
	Current Input (Nominal)	A	5.70/18.00/24.30	5.70/18.00/24.30	5.70/21.30/26.10	5.70/21.30/26.10	5.70/21.30/26.10	2.10/8.50/9.50
Energy Efficiency	EER (Nominal Cooling)	-	3.21	3.21	3.01	3.01	3.01	2.72
	COP (Nominal Heating)	-	3.61	3.61	3.61	3.61	3.61	3.31
Piping Connections	Liquid Pipe	φ, mm	9.52	9.52	9.52	9.52	9.52	6.35
	Gas Pipe	φ, mm	15.88	15.88	19.05	19.05	19.05	12.70
Field Wiring	Power Source Wire	-	2.5 ~ 4.0	1.5 ~ 2.5	2.5 ~ 4.0	2.5 ~ 4.0	2.5 ~ 4.0	2.5 ~ 4.0
	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
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A	R410A
	Control Method	-	-	-	-	-	-	-
INDOOR UNIT	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	-	-	-	-	-
Sound	Sound Pressure	High / Mid / Low	42.00/38.50/35.00	42.00/38.50/35.00	43.00/39.00/35.00	43.00/39.00/35.00	43.00/39.00/35.00	14.50/13.00/11.50
	External Static Pressure	Min / Std / Max	0.00/6.00/14.00	0.00/6.00/14.00	0.00/6.00/14.00	0.00/6.00/14.00	0.00/6.00/14.00	0.00/3.00/6.00
External Dimension	Net Weight	kg	55.00	55.00	55.00	55.00	55.00	29.00
	Shipping Weight	kg	60.00	60.00	60.00	60.00	60.00	34.00
Panel Size	Net Dimensions (WxHxD)	mm	1200 x 360 x 650	1200 x 360 x 650	1200 x 360 x 650	1200 x 360 x 650	1200 x 360 x 650	900 x 260 x 480
	Shipping Dimensions (WxHxD)	mm	1447 x 425 x 769	1447 x 425 x 769	1447 x 425 x 769	1447 x 425 x 769	1447 x 425 x 769	1146 x 363 x 584
Additional Accessories	Drain pump	Max. lifting Height / Displacement	MDP-M075SGU2	MDP-M075SGU2	MDP-M075SGU2	MDP-M075SGU2	MDP-M075SGU2	MDP-M075SGU1
	Air Filter	-	-	-	-	-	-	-
OUTDOOR UNIT	Power Supply	Φ, #, V, Hz	1,2,220-240,50	3,4,380-415,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
	Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
Fan	Air Flow Rate	Cooling / Heating	90.50	90.50	90.50	90.50	90.50	37.00
	Sound Pressure	dB(A)	51.0 / 52.0	51.0 / 52.0	52.0 / 54.0	52.0 / 54.0	52.0 / 54.0	49.0 / 49.0
External Dimension	Net Weight	kg	88.00	91.00	88.00	88.00	91.00	36.00
	Shipping Weight	kg	98.00	101.00	98.00	98.00	101.00	40.00
Operating Temp. Range	Cooling	°C	-15~50	-15~50	-15~50	-15~50	-15~50	-5~43
	Heating	°C	-20~24	-20~24	-20~24	-20~24	-20~24	-15~24

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### Optional Accessories



### Standard Accessories



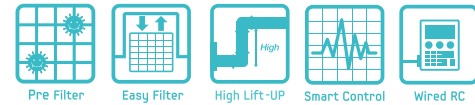


# CAC Specification - Indoor Units

## MSP Duct



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



R - Inverter

Model Name	Indoor Unit	AC071FBMSEH	AC090FBMSEH	AC100FBMSEH
Mode	Outdoor Unit	AC071FCASEH	AC090FCASEH	AC100FCASEH
Capacity (Nominal)	Cooling (Min. / Std. / Max.)	1.60/7.00/8.00	2.80/9.00/10.00	2.80/10.00/11.50
	Heating (Min. / Std. / Max.)	5.50/23.90/27.300	9.60/30.70/34.100	9.60/34.100/39.200
Power	Power Input (Nominal)	0.55/2.79/2.92	0.82/3.20/4.50	0.82/3.99/4.50
	Current Input (Nominal)	2.70/14.50/14.80	3.80/14.00/19.50	3.80/16.00/19.50
	MCA	21.65 (MCA)	23.50 (MCA)	25.00 (MCA)
Energy Efficiency	EER (Nominal Cooling)	2.51	2.81	2.51
	COP (Nominal Heating)	3.21	3.31	3.01
	Energy Grade	Energy Grade (C) 4.1(C) Energy Grade (H) 3.4(A)	Energy Grade (C) 4.3(C) Energy Grade (H) 3.4(A)	Energy Grade (C) 4.3(C) Energy Grade (H) 3.4(A)
Piping Connections	Liquid Pipe	6.35	9.52	9.52
	Gas Pipe	15.88	15.88	15.88
	Installation Limitation	30(35)	50(55)	50(55)
Field Wiring	Power Source Wire	2.5 ~ 4.0	2.5 ~ 4.0	2.5 ~ 4.0
Refrigerant	Type	R410A	R410A	R410A
	Control Method	-	-	-
	Factory Charging	1.80	3.00	3.00
<b>INDOOR UNIT</b>				
Power Supply	Type	1,2,220-240.50	1,2,220-240.50	1,2,220-240.50
	Motor	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Number of Unit	1.00	1.00	1.00
	Air Flow Rate	21.50/19.70/18.00	24.00/22.00/20.00	24.00/22.00/20.00
	External Static Pressure	358.33/328.33/300.00	400.00/366.67/333.33	400.00/366.67/333.33
Drain	Drain Pipe	0.00/3.00/6.00	0.00/4.00/8.00	0.00/4.00/8.00
Sound	Sound Pressure	0.00/29.42/58.84	0.00/39.23/78.45	0.00/39.23/78.45
External Dimension	Net Weight	29.00	34.00	55.00
	Shipping Weight	34.00	40.00	60.00
	Net Dimensions (WxHxD)	900 x 260 x 480	1150 x 260 x 480	1150 x 260 x 480
	Shipping Dimensions (WxHxD)	1146 x 363 x 584	1405 x 354 x 593	1405 x 354 x 593
Panel Size	Panel model	-	-	-
	Panel Net Weight	-	-	-
	Shipping Weight	-	-	-
	Net Dimensions (WxHxD)	-	-	-
	Shipping Dimensions (WxHxD)	-	-	-
Additional Accessories	Drain pump	MDP-M075SGU1	MDP-M075SGU1	MDP-M075SGU1
	Air Filter	-	-	-
<b>OUTDOOR UNIT</b>				
Power Supply	Type	1,2,220-240.50	1,2,220-240.50	1,2,220-240.50
Compressor	Model	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Output	UG34T200FUAE4SG	UG8T300FUBJUSG	UG8T300FUBJUSG
	Oil	1.79	2.82	2.82
	Initial Charge	650.00	1200.00	1200.00
Fan	Air Flow Rate	52.00	68.00	68.00
Sound	Sound Pressure	866.67	1,133.33	1,133.33
External Dimension	Net Weight	52.0 / 52.0	52.0 / 53.0	52.0 / 53.0
	Shipping Weight	47.00	72.00	72.00
	Net Dimensions (WxHxD)	880 x 638 x 310	940 x 998 x 330	940 x 998 x 330
	Shipping Dimensions (WxHxD)	1024 x 750 x 414	995 x 1096 x 426	995 x 1096 x 426
Operating Temp. Range	Cooling	-5~43	-15~50	-15~50
	Heating	-20~24	-20~24	-20~24

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### Optional Accessories



### Standard Accessories



# CAC Specification - Indoor Units

## Slim Duct



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



Model Name	Indoor Unit		AC035FBLDEH	AC052FBLDEH	AC071FBLDEH
Mode	Outdoor Unit		AC035FCADEH	AC052FCADEH	AC071FCADEH
Capacity (Nominal)	Cooling (Min. / Std. / Max.)	-	0.95/3.50/4.00	1.20/5.00/6.00	2.20/7.10/8.00
	Heating (Min. / Std. / Max.)	-	3.200/11.900/13.600	4.100/17.100/20.500	7.500/24.200/27.300
Power	Power Input (Nominal)	Cooling (Min. / Std. / Max.)	0.21/1.25/1.45	0.23/1.66/2.20	0.35/2.21/4.00
	Current Input (Nominal)	Heating (Min. / Std. / Max.)	1.60/6.00/6.60	1.30/8.00/9.80	2.00/10.50/21.00
	MCA		10.30 (MCA)	10.80 (MCA)	20.30 (MCA)
	MFA		12.50	13.13	25.00
Energy Efficiency	EER (Nominal Cooling)		2.81	3.01	3.21
	COP (Nominal Heating)		3.41	3.61	3.45
	Energy Grade		Energy Grade (C) 5.30 (A)	Energy Grade (C) 5.1(A)	Energy Grade (C) 5.4(A)
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35
	Gas Pipe	Φ, mm	9.52	12.70	15.88
	Installation Limitation	Max. Length (Outdoor to indoor)	20(25)	30(35)	50(55)
		Max. Height (Between ID/OD)	15(15)	20(20)	30(30)
Field Wiring	Power Source Wire		1.5	2.0	2.5
	Transmission Cable		0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25
Refrigerant	Type		R410A	R410A	R410A
	Control Method		-	-	-
	Factory Charging	kg	0.95	1.40	1.30
<b>INDOOR UNIT</b>					
Power Supply	Φ, #, V, Hz		1,2,220-240.50	1,2,220-240.50	1,2,220-240.50
	Type		Sirocco Fan	Sirocco Fan	Turbo Fan/BLDC
	Motor	Output	-	-	-
	Number of Unit		1.00	1.00	1.00
	Air Flow Rate	High / Mid / Low	10.00/9.00/8.00	13.50/12.50/11.00	19.00/17.00/15.00
	External Static Pressure	Min / Std / Max	0.00/2.50/4.00	0.00/2.00/4.00	0.00/2.50/4.00
Drain	Drain Pipe	Φ, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Sound	Sound Pressure	High / Mid / Low	32.00/29.5/27.0	33.00/31.5/30.0	36.00/34.0/32.0
External Dimension	Net Weight		26.00	31.00	34.00
	Shipping Weight		31.00	39.00	40.00
	Net Dimensions (WxHxD)		900 x 199 x 600	1100 x 199 x 600	1100 x 199 x 600
	Shipping Dimensions (WxHxD)		1150 x 280 x 710	1350 x 280 x 710	1350 x 280 x 710
Panel Size	Panel model		-	-	-
	Panel Net Weight		-	-	-
	Shipping Weight		-	-	-
	Net Dimensions (WxHxD)		-	-	-
	Shipping Dimensions (WxHxD)		-	-	-
Additional Accessories	Drain pump	Drain pump	MDP-E075SEE3	MDP-E075SEE3	MDP-E075SEE3
	Air Filter	Max. lifting Height / Displacement	-	-	-
<b>OUTDOOR UNIT</b>					
Power Supply	Φ, #, V, Hz		1,2,220-240.50	1,2,220-240.50	1,2,220-240.50
Compressor	Type		Single BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Model		UG4C090LUDJR	UG4T150FUDJQ	UG4T200FUA4SG
	Output		0.86	1.37	1.79
	Oil	Type	POE	POE	POE
	Initial Charge		320.00	650.00	650.00
Fan	Air Flow Rate	Cooling	30.00	33.00	52.00
	Sound Pressure	Cooling / Heating	47.0 / 47.0	48.0 / 49.0	49.0 / 51.0
External Dimension	Net Weight		33.00	38.50	55.00
	Shipping Weight		37.00	42.50	59.00
	Net Dimensions (WxHxD)		790 x 548 x 285	790 x 548 x 285	880 x 798 x 310
	Shipping Dimensions (WxHxD)		926 x 655 x 382	926 x 655 x 382	1023 x 891 x 413
Operating Temp. Range	Cooling	°C	-10~46	-15~46	-15~50
	Heating	°C	-15~24	-15~24	-20~24

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### Optional Accessories



### Standard Accessories



# CAC Specification - Indoor Units

## P Series (Maldives)



- Full HD Filter
- Smart Inverter
- good' sleep



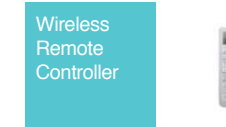
Model Name	Indoor Unit		AC026FBRDEH AC026FCADEH	AC035FBRDEH AC035FCADEH	AC052FBRDEH AC052FCADEH	AC071FBRDEH AC071FCADEH	
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Capacity (Nominal)	Cooling (Min. / Std. / Max.)	kW	1.20/2.60/3.50	1.20/3.50/3.70	1.90/5.00/6.05	2.20/7.10/8.00	
		Btu/h	4,100/8,900/11,900	4,100/11,900/12,600	6,500/17,100/20,600	7,500/24,200/27,300	
Power	Heating (Min. / Std. / Max.)	kW	0.95/3.50/4.20	1.04/4.00/4.40	1.50/6.00/6.25	1.90/8.00/9.00	
		Btu/h	3,200/11,900/14,300	3,500/13,600/15,000	5,100/20,500/21,300	6,500/27,300/30,700	
Energy Efficiency	Power Input (Nominal)	kW	0.24/0.65/1.50	0.25/1.09/1.50	0.40/1.61/2.20	0.35/2.36/4.00	
	Heating (Min. / Std. / Max.)	kW	0.20/0.97/1.15	0.21/1.17/1.40	0.34/1.76/3.15	0.35/2.85/4.00	
	Current Input (Nominal)	A	1.60/3.40/7.00	1.60/5.10/7.00	2.60/7.20/9.80	2.00/10.50/21.00	
	Heating (Min. / Std. / Max.)	A	1.30/5.00/5.40	1.30/5.80/6.50	2.30/8.30/14.00	2.00/13.00/21.00	
Energy Grade	MCA	A	10.30 (MCA)	10.30 (MCA)	10.80 (MCA)	20.30 (MCA)	
	MFA	A	12.50	12.50	13.13	25.00	
	EER (Nominal Cooling)	-	4.00	3.21	3.11	3.01	
Piping Connections	COP (Nominal Heating)	-	3.61	3.42	3.41	2.81	
	Energy Grade	-	Energy Grade (C) 5.9 (A++) Energy Grade (H) 3.9 (A)	Energy Grade (C) 5.6 (A+) Energy Grade (H) 3.9 (A)	Energy Grade (C) 6.20 (A++) Energy Grade (H) 3.80 (A)	Energy Grade (C) 6.00 (A+) Energy Grade (H) 3.80 (A)	
Field Wiring	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"	
Refrigerant	Installation Limitation	Max. Length (Outdoor to indoor)	20(25)	20(25)	30(35)	50(55)	
		Max. Height (Between ID/OD)	15(15)	15(15)	20(20)	30(30)	
Additional Accessories	Power Source Wire	-	1.5 ~ 2.5	1.5 ~ 2.5	2.0	2.5 ~ 4.0	
	Transmission Cable	-	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25	
Factory Charging	Type	-	R410A	R410A	R410A	R410A	
	Control Method	-	-	-	-	-	
INDOOR UNIT	Factory Charging	kg	0.95	0.95	1.40	1.80	
	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	
	Type	-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	
	Motor	Output	W	35.00	35.00	27.00	27.00
	Number of Unit	EA	1.00	1.00	1.00	1.00	
	Air Flow Rate	High / Mid / Low	CMM	10,50/9,50/8,00	8,00/7,00/6,00	15,00/13,20/11,50	15,00/13,40/11,80
	External Static Pressure	Min / Std / Max	Pa	175.00/158.33/133.33	133.33/116.67/100.00	250.00/220.00/191.67	250.00/223.33/196.67
	Drain	Drain Pipe	Φ, mm	VP18 (OD 19, ID 16)	VP18 (OD 19, ID 16)	VP18 (OD 19, ID 16)	VP18 (OD 19, ID 16)
	Sound	Sound Pressure	dB(A)	35.00/31.0/24.0	37.00/32.0/25.0	40.00/35.0/30.0	44.00/37.0/31.0
	External Dimension	Net Weight	kg	8.20	8.20	11.50	11.50
Shipping Weight		kg	10.20	10.20	14.50	14.50	
Net Dimensions (WxHxD)		mm	820 x 285 x 205	820 x 285 x 205	1065 x 298 x 230	1065 x 298 x 230	
Shipping Dimensions (WxHxD)		mm	892 x 355 x 263	892 x 355 x 263	1137 x 377 x 299	1137 x 377 x 299	
Panel Size	Panel model	-	-	-	-	-	
	Panel Net Weight	kg	-	-	-	-	
	Shipping Weight	kg	-	-	-	-	
	Net Dimensions (WxHxD)	mm	-	-	-	-	
Additional Accessories	Shipping Dimensions (WxHxD)	mm	-	-	-	-	
	Drain pump	Drain pump	-	-	-	-	
Outdoor Unit	Max. lifting Height / Displacement	mm / liter/h	-	-	-	-	
	Air Filter	-	-	-	-	-	
OUTDOOR UNIT	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	
	Compressor	Type	Single BLDC Rotary	Single BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	
	Model	-	UG4C090LUDJR	UG4C090LUDJR	UG4T150FUDJQ	UG4T200FJAE4	
	Output	kW	0.86	0.86	1.37	1.79	
	Oil	Type	POE	POE	POE	POE	
	Fan	Initial Charge	cc	320.00	320.00	650.00	650.00
		Air Flow Rate	Cooling	29.00	30.00	33.00	52.00
	Sound	Heating	483.33	500.00	500.00	866.67	
		Sound Pressure	Cooling / Heating	dB(A)	47.0 / 47.0	47.0 / 47.0	49.0 / 49.0
	External Dimension	Net Weight	kg	33.00	33.00	38.50	55.00
Shipping Weight		kg	37.00	37.00	42.50	59.00	
Net Dimensions (WxHxD)		mm	790 x 548 x 285	790 x 548 x 285	790 x 548 x 285	880 x 798 x 310	
Shipping Dimensions (WxHxD)		mm	926 x 655 x 382	926 x 655 x 382	926 x 655 x 382	1023 x 891 x 413	
Operating Temp. Range	Cooling	°C	-10 ~ -46	-10 ~ -46	-15 ~ -46	-15 ~ -50	
	Heating	°C	-15 ~ -24	-15 ~ -24	-15 ~ -24	-20 ~ -24	

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### Optional Accessories



### Standard Accessories

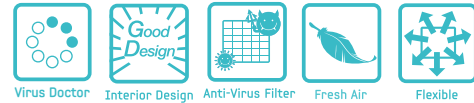


# CAC Specification - Indoor Units



## Console

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



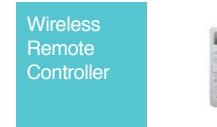
Model Name	Indoor Unit		AC026FBJDEH	AC035FBJDEH	AC052FBJDEH
Mode	Indoor Unit		AC026FCADDEH	AC035FCADDEH	AC052FCADDEH
Capacity (Nominal)	Cooling (Min. / Std. / Max.)	kW	0.98/2.60/3.40	1.20/3.50/3.90	1.90/5.00/5.50
	Heating (Min. / Std. / Max.)	kW	3.30/8.90/11.60	4.10/11.90/13.30	6.50/17.10/18.80
Power	Power Input (Nominal)	kW	0.23/0.81/1.20	0.25/1.29/1.50	0.25/1.78/2.20
	Current Input (Nominal)	A	1.00/4.00/5.50	1.60/6.00/7.00	2.60/8.00/10.00
	MCA	A	10.30 (MCA)	10.30 (MCA)	10.80 (MCA)
Energy Efficiency	EER (Nominal Cooling)	-	3.21	2.71	2.81
	COP (Nominal Heating)	-	3.30	3.01	2.92
	Energy Grade	-	Energy Grade (C) 5.40 (A)	Energy Grade (C) 5.40 (A)	Energy Grade (C) 5.40 (A)
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35
	Gas Pipe	Φ, mm	9.52	9.52	12.70
	Installation Limitation	Max. Length (Outdoor to indoor)	20(25)	20(25)	30(35)
		Max. Height (Between ID/OD)	15(15)	15(15)	20(20)
Field Wiring	Power Source Wire	-	1.5 ~ 2.5	1.5 ~ 2.5	2.0
	Transmission Cable	-	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25
Refrigerant	Type	-	R410A	R410A	R410A
	Control Method	-	-	-	-
	Factory Charging	kg	0.95	0.95	1.40
<b>INDOOR UNIT</b>					
Power Supply	Type	Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
	Motor	Output	Turbo Fan/BLDC	Turbo Fan/BLDC	Turbo Fan/BLDC
	Number of Unit	EA	1.00	1.00	1.00
	Air Flow Rate	High / Mid / Low	8.50/7.50/6.50	9.80/8.50/7.50	13.00/11.50/10.00
	External Static Pressure	Min / Std / Max	141.67/125.00/108.33	163.33/141.67/125.00	216.67/191.67/166.67
Drain	Drain Pipe	Φ, mm	VP18 (OD 19, ID 16)	VP18 (OD 19, ID 16)	VP18 (OD 19, ID 16)
Sound	Sound Pressure	High / Mid / Low	38.00/30.5/23.0	39.00/31.5/24.0	44.00/34.5/25.0
External Dimension	Net Weight	kg	15.20	15.20	15.20
	Shipping Weight	kg	20.30	20.30	20.30
	Net Dimensions (WxHxD)	mm	720 x 620 x 199	720 x 620 x 199	720 x 620 x 199
	Shipping Dimensions (WxHxD)	mm	810 x 710 x 299	810 x 710 x 299	810 x 710 x 299
Panel Size	Panel model	-	-	-	-
	Panel Net Weight	kg	-	-	-
	Shipping Weight	kg	-	-	-
	Net Dimensions (WxHxD)	mm	-	-	-
	Shipping Dimensions (WxHxD)	mm	-	-	-
Additional Accessories	Drain pump	Drain pump	-	-	-
	Air Filter	Max. lifting Height / Displacement	-	-	-
<b>OUTDOOR UNIT</b>					
Power Supply	Type	Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Compressor	Model	-	Single BLDC Rotary	Single BLDC Rotary	Twin BLDC Rotary
	Output	kW	0.86	0.86	1.37
	Oil	Type	POE	POE	POE
	Initial Charge	cc	320.00	320.00	650.00
Fan	Air Flow Rate	Cooling	29.00	30.00	33.00
	Sound Pressure	Cooling / Heating	483.33	500.00	550.00
External Dimension	Net Weight	kg	47.0 / 47.0	47.0 / 47.0	49.0 / 49.0
	Shipping Weight	kg	33.00	33.00	38.50
	Net Dimensions (WxHxD)	mm	37.00	37.00	42.50
	Shipping Dimensions (WxHxD)	mm	790 x 548 x 285	790 x 548 x 285	790 x 548 x 285
Operating Temp. Range	Cooling	°C	926 x 655 x 382	926 x 655 x 382	926 x 655 x 382
	Heating	°C	-10~46	-10~46	-15~46
		°C	-15~24	-15~24	-15~24

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### Optional Accessories



### Standard Accessories



# CAC Specification - Indoor Units



## Ceiling

- 2Way Installation
- Compact but Powerful



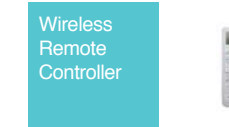
Model Name	Indoor Unit		AC052FBCDEH	AC071FBCDEH
Mode	Indoor Unit		AC052FCDEH	AC071FCDEH
Capacity (Nominal)	Cooling (Min. / Std. / Max.)	-	1.70/5.00/5.60	2.20/7.10/8.00
		-	5,800/17,100/19,100	7,500/24,200/27,300
	Heating (Min. / Std. / Max.)	-	1.70/6.00/7.70	1.90/8.00/9.00
		-	5,800/20,500/26,300	6,500/27,300/30,700
Power	Power Input (Nominal)	Cooling (Min. / Std. / Max.)	0.48/1.66/1.90	0.35/2.36/4.00
		Heating (Min. / Std. / Max.)	0.43/1.87/3.05	0.35/2.75/4.00
	Current Input (Nominal)	Cooling (Min. / Std. / Max.)	2.80/7.80/9.00	2.00/10.50/21.00
		Heating (Min. / Std. / Max.)	2.40/8.80/14.50	2.00/12.60/21.00
	MCA	A	10.80 (MCA)	20.30 (MCA)
	MFA	A	13.13	25.00
Energy Efficiency	EER (Nominal Cooling)	-	3.01	3.01
	COP (Nominal Heating)	-	3.21	2.91
	Energy Grade	-	Energy Grade (C) 5.30 (A)	Energy Grade (C) 5.10 (A)
		-	Energy Grade (H) 3.60 (A)	Energy Grade (H) 3.40 (A)
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35
		Φ, inch	1/4"	1/4"
	Gas Pipe	Φ, mm	12.70	15.88
		Φ, inch	1/2"	5/8"
	Installation Limitation	Max. Length (Outdoor to indoor)	30(35)	50(55)
		Max. Height (Between ID/OD)	20(20)	30(30)
Field Wiring	Power Source Wire	-	2.0	2.5 ~ 4.0
	Transmission Cable	-	0.75 ~ 1.25	0.75 ~ 1.25
Refrigerant	Type	-	R410A	R410A
	Control Method	-	-	-
	Factory Charging	kg	1.40	1.80
<b>INDOOR UNIT</b>				
Power Supply	Φ, #, V, Hz		1,2,220-240.50	1,2,220-240.50
	Type	-	Turbo Fan/BLDC	Turbo Fan/BLDC
	Motor	Output	35.00	35.00
	Number of Unit	EA	1.00	1.00
	Air Flow Rate	High / Mid / Low	13.50/12.50/11.50	16.50/15.00/14.00
		l/s	225.00/208.33/191.67	275.00/250.00/233.33
	External Static Pressure	Min / Std / Max	-	-
		Pa	-	-
Drain	Drain Pipe	Φ, mm	VP18 (OD 19, ID 16)	VP18 (OD 19, ID 16)
Sound	Sound Pressure	High / Mid / Low	41.00/39.0/37.0	46.00/44.0/42.0
External Dimension	Net Weight	kg	22.00	22.00
	Shipping Weight	kg	26.00	26.00
	Net Dimensions (WxHxD)	mm	1000 x 200 x 650	1000 x 200 x 650
	Shipping Dimensions (WxHxD)	mm	1080 x 300 x 730	1080 x 300 x 730
Panel Size	Panel model	-	-	-
	Panel Net Weight	kg	-	-
	Shipping Weight	kg	-	-
	Net Dimensions (WxHxD)	mm	-	-
	Shipping Dimensions (WxHxD)	mm	-	-
Additional Accessories	Drain pump	Drain pump	-	-
	Air Filter	Max. lifting Height / Displacement	-	-
		mm / liter/h	-	-
<b>OUTDOOR UNIT</b>				
Power Supply	Φ, #, V, Hz		1,2,220-240.50	1,2,220-240.50
Compressor	Type	-	Twin BLDC Rotary	Twin BLDC Rotary
	Model	-	UG4T150FUDJQDO	UG4T200FJAE4
	Output	KW	1.37	1.79
	Oil	Type	POE	POE
		Initial Charge	650.00	650.00
Fan	Air Flow Rate	Cooling	33.00	52.00
		Heating	550.00	866.67
Sound	Sound Pressure	Cooling / Heating	49.0 / 49.0	49.0 / 51.0
External Dimension	Net Weight	kg	38.50	55.00
	Shipping Weight	kg	42.50	59.00
	Net Dimensions (WxHxD)	mm	790 x 548 x 285	880 x 798 x 310
	Shipping Dimensions (WxHxD)	mm	926 x 655 x 382	1023 x 891 x 413
Operating Temp. Range	Cooling	°C	-15~46	-15~50
	Heating	°C	-15~24	-20~24

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### Optional Accessories








### Standard Accessories






## ERV Lineup

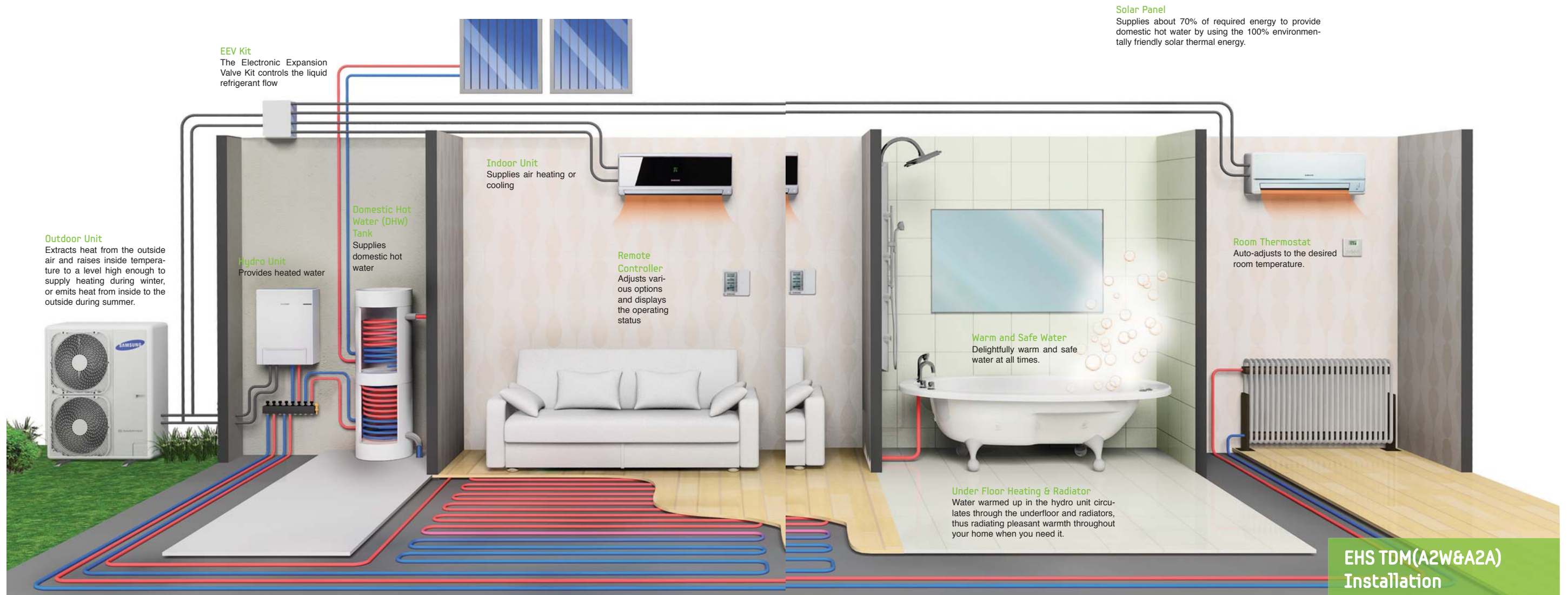
Model	Air Volume (m <sup>3</sup> /hr)	250	350	500	800	1000
ERV		 RHF025EE	 RHF035EE	 RHF050EE	 RHF080EE	 RHF100EE









## ERV Feature












	 ERV
Damper	•
Direct Expansion (DX) Coil	
Humidifier element (Optional)	
Supply/Exhaust Fan	•
Dust Filter	•
Heat Exchanger Element	•
Control Box	•
Temperature Sensor	•
CO <sub>2</sub> Sensor (Optional)	•
BLDC Fan Motor	•
Energy Saving Operation (Auto Mode)	•
New Diamond Type Element	•
Flexible Installation	•
Slim Design	•
Silent Operation	•
S-Plasma ion (Optional)	•





# EHS Lineup & Feature - TDM (A2W & A2A)



Type		6.0kW	7.0kW	8.0kW	11kW	14kW	16kW
Outdoor Unit	1Φ Phase						
Hydro Unit	1Φ Phase						

Type	Model	2.2kW	2.8kW	3.6kW	4.5kW	5.6kW	7.1kW
Indoor Unit	Vivace						
	Neo Forte						
	Slim Duct						



Type		200L	300L
DHW Tank (Optionally Solar Connected)			


\* There are two different types of DHW Tanks : Standard and Solar Connected types.

\* Solar Panel (Field Supply) - Optional

## EHS Lineup & Feature - Mono (A2W)

Type	9kW	12kW	14kW	16kW	
Outdoor Unit	1 Phase				
	3 Phase				

Type	200L	300L
Cylinder Unit (Standard Type)		

Type	MIM-E03A
Control Kit	

## EHS Lineup & Feature - Split (A2W)

Type	6kW	10kW	12.5kW	14kW	16kW	
Outdoor Unit	1 Phase					
	3 Phase					
Hydro Unit						

## EHS Specification - TDM (A2W & A2A)



### Outdoor Unit (TDM)

- One outdoor unit works with both Air-to-Water (A2W) Hydro unit and Air-to-Air (A2A) Indoor unit

Model		RD060PHXEA	RD070PHXEA	RD080PHXEA		
Hydro Unit		NH080PHXEA	NH080PHXEA	NH080PHXEA		
Mode		Heat Pump (A2A/A2W Multi)	Heat Pump (A2A/A2W Multi)	Heat Pump (A2A/A2W Multi)		
Power Supply	Φ, #, V, Hz	1,220~240,50	1,220~240,50	1,220~240,50		
Performance (A2W #1)	Nominal Capacity <sup>1)</sup>	Heating	W	6,000	7,000	8,000
		Btu/h	20,500	23,900	27,300	
	Cooling	W	7,000	7,500	8,000	
		Btu/h	23,900	25,600	27,300	
	Nominal Power Input <sup>1)</sup>	Heating	W	1,305	1,590	1,925
		Cooling	W	1,945	2,205	2,540
	Nominal Current Input <sup>1)</sup>	Heating	A	6.0	7.3	8.8
		Cooling	A	8.9	10.1	11.6
	COP(Heating) <sup>1)</sup>	W	4.60	4.40	4.15	
		W	3.60	3.40	3.15	
ESEER <sup>2)</sup>	W	5.20	5.50	4.90		
	A	5.20	5.50	4.90		
Performance (A2A)	Nominal Capacity	W	3,000~6,000	3,500~7,000	4,000~8,000	
		Btu/h	10,200~20,500	11,900~23,900	13,600~27,300	
	Allowable No. of Indoor Units	EA	Max 3	Max 3	Max 3	
	COP(Heating) <sup>3)</sup>	W/W	4.04	4.04	4.04	
	EER(Cooling) <sup>3)</sup>	W/W	3.21	3.21	3.21	
Electric Specification	MCA	A	13.50	16.00	18.00	
	MFA	A	16.88	20.00	22.50	
Refrigerant Side	Compressor	Type	-	Rotary Inverter	Rotary Inverter	Rotary Inverter
	Oil	Type	-	POE	POE	POE
	Refrigerant	Type	-	R410A	R410A	R410A
	Piping	Liquid	Φ, mm (inch)	9.52(3/8")	9.52(3/8")	9.52(3/8")
	Connections	Gas	Φ, mm (inch)	15.88(5/8")	15.88(5/8")	15.88(5/8")
	Installation	Length	m	30	30	30
Sound	Sound Pressure <sup>4)</sup>	Heating	dB(A)	48	48	49
		Cooling	dB(A)	48	48	50
External Dimension	Weight	Net	kg	71	71	71
		Gross	kg	79	79	79
		Dimensions (WxHxD)	mm	880x798x310	880x798x310	880x798x310
Operating Range	Ambient (A2W)	Heating	°C	-20~35	-20~35	-20~35
		Cooling	°C	10~46	10~46	10~46
		DHW	°C	-20~43	-20~43	-20~43
	Ambient (A2A)	Heating	°C	-20~24	-20~24	-20~24
		Cooling	°C	10~43	10~43	10~43
		Cooling	°C	10~43	10~43	10~43

\*1)-3) A2W rating conditions in accordance with Eurovent Rating Standard for Liquid Chilling Packages 6/C/003-2008.

\*1) A2W Condition #1 : (Heating) Water In/Out 30°C/35°C, Outdoor Air 7°CDB/6°CWB; (Cooling) Water In/Out 23°C/18°C, Outdoor Air DB 35°C.

\*2) A2W Condition for ESEER(Cooling) at Water Out 7°C.

\*3) A2A Condition : (Heating) Indoor Air 20°CDB/15°CWB, Outdoor Air 7°CDB/6°CWB; (Cooling) Indoor Air 27°CDB/19°CWB, Outdoor Air 35°CDB/24°CWB.

\*4) Sound Pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.



# EHS Specification - TDM (A2W & A2A)

# EHS Specification - Split (A2W)



## Outdoor Unit (TDM)

- One outdoor unit gets done the task that two outdoor units used to do
  - Air-to-Water (A2W) and Air-to-Air (A2A)



## Outdoor Unit (Split)

- Outdoor unit works with Air-to-Water (A2W) Hydro unit to supply hot water

Model	RD110PHXEA		RD140PHXEA		RD160PHXEA	
Hydro Unit	NH160PHXEA		NH160PHXEA		NH160PHXEA	
Mode	Heat Pump (A2A/A2W Multi)		Heat Pump (A2A/A2W Multi)		Heat Pump (A2A/A2W Multi)	
Power Supply	Φ, #, V, Hz		1,220-240,50		1,220-240,50	
Performance (A2W #1)	Nominal Capacity <sup>(1)</sup>	Heating	W	11,000	14,000	16,000
		Btu/h		37,500	47,800	54,600
	Nominal Power Input <sup>(1)</sup>	Heating	W	11,300	14,200	15,500
		Btu/h		38,600	48,500	52,900
	Nominal Current Input <sup>(1)</sup>	Heating	A	2,420	3,210	3,900
		Btu/h		2,900	3,940	4,700
	COP(Heating) <sup>(1)</sup>	Heating	A	10.7	14.2	17.3
		Cooling	A	12.9	17.5	20.8
	EER(Cooling) <sup>(1)</sup>	Heating	W	4.55	4.36	4.10
		Cooling	W	3.90	3.60	3.30
ESEER <sup>(2)</sup>	Heating	A	5.96	5.66	5.50	
	Cooling	W	6,000-11,000	6,400-14,000	6,400-14,000	
Performance (A2A)	Nominal Capacity	Btu/h	20,500-37,500	21,800-47,800	21,800-47,800	
	Allowable No. of Indoor Units	EA	Max 4	Max 4	Max 4	
	COP(Heating) <sup>(3)</sup>	WW	3.94	3.94	3.94	
Electric Specification	EER(Cooling) <sup>(3)</sup>	WW	3.46	3.46	3.46	
	MCA	A	25.00	28.00	30.00	
Refrigerant Side	MFA	A	31.25	35.00	37.50	
	Compressor	Type	-	Rotary Inverter	Rotary Inverter	
	Oil	Type	-	POE	POE	
	Refrigerant	Type	-	R410A	R410A	
	Piping	Liquid	Φ, mm (inch)	9.52(3/8")	9.52(3/8")	
	Connections	Gas	Φ, mm (inch)	15.88(5/8")	15.88(5/8")	
	Installation Limitation	Length	m	70	70	
		Height	m	30	30	
	Sound	Sound Pressure <sup>(4)</sup>	Heating	dB(A)	49	51
		Cooling	dB(A)	50	52	
External Dimension	Weight	Net	kg	108	108	
		Gross	kg	116	116	
	Dimensions (WxHxD)	Net	mm	932x1,128x375	932x1,128x375	
		Gross	mm	1,091x1,286x472	1,091x1,286x472	
Operating Range	Ambient (A2W)	Heating	°C	-20-35	-20-35	
		Cooling	°C	10-46	10-46	
	Ambient (A2A)	DHW	°C	-20-43	-20-43	
		Cooling	°C	-20-24	-20-24	

\*1)-3) A2W rating conditions in accordance with Eurovent Rating Standard for Liquid Chilling Packages 6/C/003-2008.

\*1) A2W Condition #1 : (Heating) Water In/Out 30°C/35°C, Outdoor Air 7°CDB/6°CWB; (Cooling) Water In/Out 23°C/18°C, Outdoor Air DB 35°C.

\*2) A2W Condition for ESEER(Cooling) at Water Out 7°C.

\*3) A2A Condition : (Heating) Indoor Air 20°CDB/15°CWB, Outdoor Air 7°CDB/6°CWB; (Cooling) Indoor Air 27°CDB/19°CWB, Outdoor Air 35°CDB/24°CWB.

\*4) Sound Pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

Model	AEX060EDEHA		AEX100EDEHA		AEX125EDEHA		AEX140EDEHA		AEX140EDEHA	
Hydro Unit	AEN080YDEHA		AEN080YDEHA		AEN160YDEHA		AEN160YDEHA		AEN160YDEHA	
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		1,220-240,50		1,220-240,50		1,220-240,50		1,220-240,50	
Performance (A2W #1)	Nominal Capacity <sup>(1)</sup>	Heating	W	5,800	10,000	12,500	14,000	16,000		
		Btu/h		19,800	34,100	42,700	47,800	54,600		
	Nominal Power Input <sup>(1)</sup>	Heating	W	5,300	9,100	15,000	16,200	17,400		
		Btu/h		18,100	31,000	51,200	55,300	59,400		
	Nominal Current Input <sup>(1)</sup>	Heating	A	1,220	2,220	2,660	3,110	3,720		
		Btu/h		1,905	2,890	4,350	5,150	6,000		
	COP(Heating) <sup>(1)</sup>	Heating	A	5.7	9.70	11.70	13.70	16.30		
		Cooling	A	8.8	12.70	19.10	22.60	26.40		
	EER(Cooling) <sup>(1)</sup>	Heating	W	4.75	4.50	4.70	4.50	4.30		
		Cooling	W	3.50	3.15	3.45	3.15	2.90		
ESEER <sup>(2)</sup>	Heating	A	4.50	4.60	4.80	4.75	4.70			
	Cooling	A	20.0	22.0	28.0	30.0	32.0			
Electric Specification	MCA	A	25.0	27.5	35.0	37.5	40.0			
	MFA	A	25.0	27.5	35.0	37.5	40.0			
Refrigerant Side	Compressor	Type	-	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter			
	Oil	Type	-	POE	POE	POE	POE			
	Refrigerant	Type	-	R410A	R410A	R410A	R410A			
	Piping	Liquid	Φ, mm (inch)	6.35(1/4")	9.52(3/8")	9.52(3/8")	9.52(3/8")			
	Connections	Gas	Φ, mm (inch)	15.88(5/8")	15.88(5/8")	15.88(5/8")	15.88(5/8")			
	Installation Limitation	Length	m	30	50	50	50			
Height		m	20	30	30	30				
Base Heater (Option)	Capacity	W	N/A	150	150	150				
	Sound Pressure <sup>(3)</sup>	Heating	dB(A)	53	50	50				
Sound	Cooling	dB(A)	54	52	51	53				
	Sound Power	dB(A)	62	66	64	66				
External Dimension	Weight	Net	kg	47.5	74	98				
		Gross	kg	52.5	82	108				
	Dimensions (WxHxD)	Net	mm	880x638x310	940x998x330	940x1,420x330				
Gross		mm	1,024x750x414	995x1,906x426	995x1,548x426					
Operating Range	Ambient (A2W)	Heating	°C	-20-35	-20-35	-20-35				
		Cooling	°C	10-46	10-46	10-46				
	Leaving Water	DHW	°C	-20-43	-20-43	-20-43				
		Cooling	°C	25-55	25-55	25-55				

\*1)-2) A2W rating conditions in accordance with Eurovent Rating Standard for Liquid Chilling Packages 6/C/003-2008.

\*1) A2W Condition #1 : (Heating) Water In/Out 30°C/35°C, Outdoor Air 7°CDB/6°CWB; (Cooling) Water In/Out 23°C/18°C, Outdoor Air 35°CDB.

\*2) A2W Condition for ESEER(Cooling) at Water Out 18°C.

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

# EHS Specification - Split (A2W)

# EHS Specification - TDM (A2W & A2A), Split (A2W)



Outdoor Unit (Split)



Hydro Unit

• Combining with TDM or Split Outdoor units

Model	AEX125EDGHA		AEX140EDGHA		AEX160EDGHA	
Hydro Unit	AEN160YDGHA		AEN160YDGHA		AEN160YDGHA	
Mode	Heat Pump (A2W Only)		Heat Pump (A2W Only)		Heat Pump (A2W Only)	
Power Supply	Φ, #, V, Hz	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50
Performance (A2W #1)	Nominal Capacity <sup>(1)</sup>	Heating	W	12,500	14,000	16,000
		Btu/h	42,700	47,800	54,600	
	Cooling	W	15,000	16,200	17,400	
		Btu/h	51,200	55,300	59,400	
	Nominal Power Input <sup>(1)</sup>	Heating	W	2,660	3,110	3,720
		Cooling	W	4,350	5,150	6,000
	Nominal Current Input <sup>(1)</sup>	Heating	A	4.20	4.90	5.80
		Cooling	A	6.80	8.10	9.40
	Nominal Heating (COP) <sup>(1)</sup>	W	4.70	4.50	4.30	
	Nominal Cooling (EER) <sup>(1)</sup>	W	3.45	3.15	2.90	
ESEER <sup>(2)</sup>	A	4.80	4.75	4.70		
Electric Specification	MCA	A	10.0	11.0	12.0	
	MFA	A	12.5	13.8	15.0	
Refrigerant Side	Compressor	Type	-	Rotary Inverter	Rotary Inverter	Rotary Inverter
	Model	-	UG5T450FUEJX	UG5T450FUEJX	UG5T450FUEJX	
	Oil	Type	-	POE	POE	POE
	Refrigerant	Type	-	R410A	R410A	R410A
	Piping Connections	Liquid	Φ, mm (inch)	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")
	Installation Limitation	Length	m	50	50	50
Height	m	30	30	30		
Base Heater (Option)	Capacity	W	150	150	150	
Sound	Sound Pressure <sup>(3)</sup>	Heating	dB(A)	50	50	53
	Cooling	dB(A)	51	53	54	
	Sound Power	dB(A)	64	66	68	
External Dimension	Weight	Net	kg	98	98	98
		Gross	kg	108	108	108
	Dimensions (WxHxD)	Net	mm	940x1,420x330	940x1,420x330	940x1,420x330
		Gross	mm	995x1,548x426	995x1,548x426	995x1,548x426
Operating Range	Ambient (A2W)	Heating	°C	-20-35	-20-35	-20-35
		Cooling	°C	10-46	10-46	10-46
	Leaving Water	DHW	°C	-20-43	-20-43	-20-43
		Heating	°C	25-55	25-55	25-55
		Cooling	°C	5-25	5-25	5-25

\*1)~2) A2W rating conditions in accordance with Eurovent Rating Standard for Liquid Chilling Packages 6/C/003-2008.

\*1) A2W Condition #1 : (Heating) Water In/Out 30°C/35°C, Outdoor Air 7°CDB/6°CWB; (Cooling) Water In/Out 23°C/18°C, Outdoor Air 35°CDB.

\*2) A2W Condition for ESEER(Cooling) at Water Out 18°C.

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

Model	TDM			SPLIT			
	NH080PHXEA	NH160PHXEA	AEN080YDEHA	AEN160YDEHA	AEN160YDGHA		
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	
Performance	Nominal Capacity	Heating	W	6,000 / 7,000 / 8,000	11,000 / 14,000 / 16,000	5,200 / 10,000	12,500 / 14,000 / 16,000
		Cooling	W	7,000 / 7,500 / 8,000	11,300 / 14,200 / 15,600	5,000 / 9,000	11,200 / 12,500 / 14,000
	Leaving Water Temp. Range	Heating	°C	15-55 (H/P : 25-55)	15-55 (H/P : 25-55)	15-55 (H/P : 25-55)	15-55 (H/P : 25-55)
		Cooling	°C	5-25	5-25	5-25	5-25
Water Side	Required Water Pressure	bar	Max 3.0	Max 3.0	Max 3.0	Max 3.0	
	Required Flow Rate	LPM	Min 12.0	Min 16.0	Min 12.0	Min 16.0	
	Piping Connections	In/Out Φ, inch	1 1/4" (BSPP)	1 1/4" (BSPP)	1 1/4" (BSPP)	1 1/4" (BSPP)	
Refrigerant Side	Piping Connections	Liquid	Φ, mm(inch)	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")	
Hydro Unit Parts	Water Pump	Flow Rate	kg/min	17.0 / 20.5 / 23.0	31.5 / 40.1 / 45.9	17.0 / 20.5 / 23.0	
	Electric Heater	Input Power	W	4,000	6,000	4,000	
	Expansion Vessel	Volume	Liter	8	8	8	
	Pressure Relief Valve	Relief Pressure	bar	2.9	2.9	2.9	
	Air Purge Valve	Size	Φ, inch	3/8" (BSPP male)	3/8" (BSPP male)	3/8" (BSPP male)	
	Service Valve	Size	Φ, inch	1 1/4" (BSPP male)	1 1/4" (BSPP male)	1 1/4" (BSPP male)	
	Weight	Net	kg	45	48	45	
External Dimension	Dimensions (WxHxD)	Net	mm	510x850x315	510x850x315	510x850x315	
		Gross	mm	564x1,024x412	564x1,024x412	564x1,024x412	
External Control	Back up Boiler	-	230VAC 1A(DO)	230VAC 1A(DO)	230VAC 1A(DO)	230VAC 1A(DO)	
	Room Thermostat	-	230VAC 1A(DI)	230VAC 1A(DI)	230VAC 1A(DI)	230VAC 1A(DI)	
	Solar Pump	-	230VAC 1A(DI)	230VAC 1A(DI)	230VAC 1A(DI)	230VAC 1A(DI)	
	Valves, 2 or 3way	-	230VAC 1A(DO)	230VAC 1A(DO)	230VAC 1A(DO)	230VAC 1A(DO)	



# EHS Specification - TDM, Mono, Split

# EHS Specification - TDM (A2W & A2A)



## DHW Tank

- DHW Tank supplies sanitary hot water and is compatible with Solar Panel (Solar type tank only)



## Vivace

- Shadow Mirror
- Hidden Display
- Trim-less Design



Model	Standard		Solar Connected	
	NH200WHXEA	NH300WHXEA	NH200WHXES	NH300WHXES
Pressure Vessel	Material Quality	-	AISI 444/DIN 1.4521	AISI 444/DIN 1.4521
	Volume Capacity	Liter	198	287
Power Supply	Φ, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50
Electric Element	Capacity	kW	2.6	2.6
	Material	-	Incoloy 825	Incoloy 825
	Thermostat #1 ( Auto )	°C	-	-
	Thermostat #2 ( Manual )	°C	-	-
Heating Coil	Material Quality	-	Duplex LDX 2101	Duplex LDX 2101
	Heating Area	m <sup>2</sup>	0.71	0.71
Heating Coil for Solar	Material Quality	-	-	Duplex LDX 2101
	Heating Area	m <sup>2</sup>	-	0.47
Insulation	Material Quality	-	Polyrethane form	Polyrethane form
	Thickness	mm	40	40
Insulation Jacket	Material Quality	-	Epoxy-Coated Mild Steel-White	Epoxy-Coated Mild Steel-White
Dimensions Overall	Diameter	mm	585	585
	Height	mm	1,130	1,580
Connections	Cold Water Inlet	inch	3/4 (FBSP)	3/4 (FBSP)
	Hot Water Outlet	inch	3/4 (FBSP)	3/4 (FBSP)
	Recirculation	mm	Ø22mm Straight tube (for compression fitting)	Ø22mm Straight tube (for compression fitting)
	Flow & Return	mm	3/4 (Female)	3/4 (Female)
	Sensor Poket(s)	mm	Ø8mm Inside, 1/2" Thread	Ø8mm Inside, 1/2" Thread
	Weight	kg	-	-
Max. Water Temperature	Net	kg	47	61
	Gross	kg	51	65
Pre-plumbed parts	Water Pump	-	-	-
	2way valve	-	-	-
	Temp. & Pressure Relief Valve	-	-	-
	Pressure Reducing Valve	bar	-	-
	Relief Pressure	bar	-	-
	Strainer	mesh	-	-
Packaged part	Flow Switch	-	-	-
Room thermostat & receiver	Wireless Room Thermostat	-	-	-
	RF Receiver for Thermostat	-	-	-
Timer controller	-	-	-	-
Other	Packaging	-	Eco Foam-PUF	Eco Foam-PUF
	Adjustable Legs	pcs	3	3

Model	NH022VHXEA		NH028VHXEA		NH036VHXEA		NH056VHXEA		NH071VHXEA	
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	
Performance	Nominal Capacity	Cooling *1)	W	2,200	2,800	3,600	5,600	6,800		
		Btu/h	7,500	9,600	12,300	19,100	23,200			
	Heating *2)	W	2,500	3,200	4,000	6,300	7,000			
		Btu/h	8,500	10,900	13,600	21,500	23,900			
	Nominal Power Input	W	30	30	35	50	50			
	Nominal Current Input	A	0.13	0.18	0.19	0.30	0.30			
Sound *3)	Sound Pressure	High / Low	dB(A)	31 / 21	31 / 21	35 / 21	40 / 30	41 / 30		
Fan	Type	-		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan		
	Cooling	High	CMM	7.0	7.0	8.2	13.3	13.3		
Airflow Rate	Heating	High	CMM	7.3	7.3	8.8	14.0	14.0		
	ESP	Std. (Min.-Max.)	mmAq	-	-	-	-	-		
	Type	-		R410A	R410A	R410A	R410A	R410A		
Refrigerant Side	Control Method	-		EEV	EEV	EEV	EEV	EEV		
		Liquid	Φ, mm	6.35	6.35	6.35	6.35	9.52		
	Piping Connections	Φ, inch	1/4	1/4	1/4	1/4	1/4	3/8		
		Gas	Φ, mm	12.70	12.70	12.70	12.70	15.88		
	Drain	Φ, inch	1/2	1/2	1/2	1/2	5/8			
	Weight	Net	kg	8.5	8.5	8.5	12.0	15.0		
External Dimension	Dimensions (WxHxD)	Gross	kg	11.5	11.5	11.5	15.0	15.0		
		Net	mm	825 x 285 x 189	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	900 x 349 x 252	1,137 x 377 x 299	1,137 x 377 x 299		

\*1) Nominal cooling capacities are based on;  
 - Indoor Air 27°CDB/19°CWB, Outdoor Air 35°CDB/24°CWB, Equivalent refrigerant piping 7.5m, Level differences 0m.  
 \*2) Nominal heating capacities are based on;  
 - Indoor Air 20°CDB/15°CWB, Outdoor Air 7°CDB/6°CWB, 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.

### Optional Accessories



### Standard Accessories

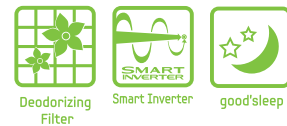


# EHS Specification - TDM (A2W & A2A)



## Neo Forte

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



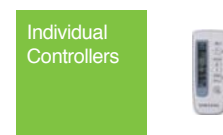
Model		NH022NHXEA	NH028NHXEA	NH036NHXEA	NH056NHXEA	NH071NHXEA			
Power Supply	Φ, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50			
Performance	Nominal Capacity	Cooling *1)	W	2,200	2,800	3,600	5,600	6,800	
		Btu/h	7,500	9,600	12,300	19,100	23,200		
	Heating *2)	W	2,500	3,200	4,000	6,300	7,000		
		Btu/h	8,500	10,900	13,600	21,500	23,900		
	Nominal Power Input	W	25	25	30	45	50		
Nominal Current Input	A	0.18	0.18	0.18	0.27	0.30			
Sound *3)	Sound Pressure	High / Low	dB(A)	32 / 23	32 / 23	36 / 23	40 / 30	41 / 30	
Fan	Type		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	
	Cooling	High	CMM	7.8	7.8	9.3	12.0	14.0	
Airflow Rate	Heating	High	CMM	8.2	8.2	9.5	13.0	15.0	
	ESP	Std. (Min.-Max.)	mmAq	-	-	-	-	-	
	Type			R410A	R410A	R410A	R410A	R410A	
Refrigerant Side	Control Method			EEV	EEV	EEV	EEV	EEV	
	Liquid	Φ, mm		6.35	6.35	6.35	6.35	9.52	
		Φ, inch		1/4	1/4	1/4	1/4	3/8	
	Piping Connections	Gas		12.70	12.70	12.70	12.70	15.88	
		Φ, inch		1/2	1/2	1/2	1/2	5/8	
	Drain			Φ, mm	ID 18 hose	ID 18 hose	ID 18 hose	ID 18 hose	
	Weight	Net		kg	7.8	7.8	7.8	13.0	13.0
Gross			kg	9.4	9.4	9.4	16.0	16.0	
External Dimension	Dimensions (WxHxD)	Net		mm	825 x 285 x 189	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	900 x 349 x 252	1,137 x 377 x 299	1,137 x 377 x 299

\*1) Nominal cooling capacities are based on;  
 - Indoor Air 27°CDB/19°CWB, Outdoor Air 35°CDB/24°CWB, Equivalent refrigerant piping 7.5m, Level differences 0m.  
 \*2) Nominal heating capacities are based on;  
 - Indoor Air 20°CDB/15°CWB, Outdoor Air 7°CDB/6°CWB, 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.

### Optional Accessories

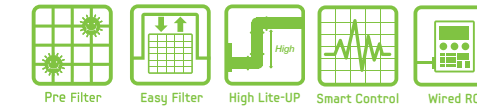


### Standard Accessories



## Slim Duct

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



Model		NH022LHXEA	NH028LHXEA	NH036LHXEA	NH045LHXEA	NH056LHXEA			
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			
Performance	Nominal Capacity	Cooling *1)	W	2,200	2,800	3,600	4,500	5,600	
		Btu/h	7,500	9,600	12,300	15,400	19,100		
	Heating *2)	W	2,500	3,200	4,000	5,000	6,300		
		Btu/h	8,500	10,900	13,600	17,100	21,500		
	Nominal Power Input	W	80	80	80	90	100		
Nominal Current Input	A	0.40	0.40	0.40	0.60	0.60			
Sound *3)	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		
	Cooling	High	CMM	8.0	9.0	10.0	14.0	15.0	
Airflow Rate	Heating	High	CMM	9.0	10.0	12.0	16.5	18.0	
	ESP	Std. (Min.-Max.)	mmAq	2 (0-4)	2 (0-4)	2 (0-4)	2 (0-4)	2 (0-4)	
	Type			R410A	R410A	R410A	R410A	R410A	
Refrigerant Side	Control Method			EEV	EEV	EEV	EEV	EEV	
	Liquid	Φ, mm		6.35	6.35	6.35	6.35	9.52	
		Φ, inch		1/4	1/4	1/4	1/4	3/8	
	Piping Connections	Gas		12.70	12.70	12.70	12.70	15.88	
		Φ, inch		1/2	1/2	1/2	1/2	5/8	
	Drain			Φ, mm	VP25(OD32,ID25)	VP25(OD32,ID25)	VP25(OD32,ID25)	VP25(OD32,ID25)	VP25(OD32,ID25)
	Weight	Net		kg	26.0	26.0	26.0	31.0	31.0
Gross			kg	31.0	31.0	31.0	39.0	39.0	
External Dimension	Dimensions (WxHxD)	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

\*1) Nominal cooling capacities are based on;  
 - Indoor Air 27°CDB/19°CWB, Outdoor Air 35°CDB/24°CWB, Equivalent refrigerant piping 7.5m, Level differences 0m.  
 \*2) Nominal heating capacities are based on;  
 - Indoor Air 20°CDB/15°CWB, Outdoor Air 7°CDB/6°CWB, 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.

### Optional Accessories



### Standard Accessories



# EHS Specification - Mono (A2W)



## Outdoor Unit (Mono)

- Mono unit itself supplies hot water without Hydro unit or refrigerant work

Model	RC090MHXEA		RC120MHXEA		RC140MHXEA		RC160MHXEA		RC120MHXGA		RC140MHXGA		RC160MHXGA		
Mode	-		Heat Pump (A2W Only)		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		1,220-240,50		1,220-240,50		1,220-240,50		3, 4, 380-415,50		3, 380-415,50		3, 380-415,50		
Performance (A2W #1)	Nominal Capacity *1)	Heating	kW	9,000	12,000	14,000	16,000	12,000	14,000	16,000	14,000	16,000	14,000	16,000	
			Btu/h	30,700	40,900	47,800	54,600	40,900	47,800	54,600	40,900	47,800	54,600	47,800	54,600
		Cooling	kW	10,000	13,500	16,000	17,000	13,500	16,000	17,000	13,500	16,000	17,000	13,500	16,000
			Btu/h	34,100	46,100	54,600	58,000	46,100	54,600	58,000	46,100	54,600	58,000	46,100	54,600
	Nominal Power Input *1)	Heating	W	2,090	2,610	3,220	3,810	2,610	3,220	3,810	2,610	3,220	3,810	2,610	3,220
		Cooling	W	2,860	4,070	5,330	5,860	4,070	5,330	5,860	4,070	5,330	5,860	4,070	5,330
	Nominal Current Input *1)	Heating	A	939	11.7	14.4	17.1	939	11.7	14.4	939	11.7	14.4	939	11.7
		Cooling	A	13.5	17.7	23.2	25.5	13.5	17.7	23.2	13.5	17.7	23.2	13.5	17.7
	COP(Heating) *1)	W		4.30	4.60	4.35	4.20	4.30	4.60	4.35	4.20	4.30	4.60	4.35	4.20
	EER(Cooling) *1)	W		3.50	3.32	3.00	2.90	3.50	3.32	3.00	2.90	3.50	3.32	3.00	2.90
ESEER *2)	A		5.60	6.45	6.34	5.98	5.60	6.45	6.34	5.98	5.60	6.45	6.34	5.98	
Electric Specification	MCA	A	22.0	28.0	30.0	32.0	22.0	28.0	30.0	32.0	22.0	28.0	30.0	32.0	
	MFA	A	27.5	35.0	37.5	40.0	27.5	35.0	37.5	40.0	27.5	35.0	37.5	40.0	
Water Side	Required Water Pressure	bar	Max. 2.8	Max. 2.8	Max. 2.8	Max. 2.8	Max. 2.8	Max. 2.8	Max. 2.8	Max. 2.8	Max. 2.8	Max. 2.8	Max. 2.8	Max. 2.8	
	Required Flow Rate	LPM	Min. 16.0	Min. 16.0	Min. 16.0	Min. 16.0	Min. 16.0	Min. 16.0	Min. 16.0	Min. 16.0	Min. 16.0	Min. 16.0	Min. 16.0	Min. 16.0	
	Piping Connections	In/Out Φ, inch	1" (BSPP)	1" (BSPP)	1" (BSPP)	1" (BSPP)	1" (BSPP)	1" (BSPP)	1" (BSPP)	1" (BSPP)	1" (BSPP)	1" (BSPP)	1" (BSPP)	1" (BSPP)	
Refrigerant Side	Compressor	Type	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	
	Oil	Type	POE	POE	POE	POE	POE	POE	POE	POE	POE	POE	POE	POE	
	Refrigerant	Type	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	
Base Heater	Capacity	W	150	150	150	150	150	150	150	150	150	150	150		
Sound	Sound Pressure *3)	Heating	dB(A)	50	50	52	53	50	50	52	53	50	50	52	
		Cooling	dB(A)	51	51	53	54	51	51	53	54	51	51	53	
	Sound Power	dB(A)	66	66	68	70	66	66	68	70	66	66	68	70	
External Dimension	Weight	Net	kg	75	103	103	103	75	103	103	103	75	103	103	
		Gross	kg	83	113	113	113	83	113	113	113	83	113	113	
	Dimensions (WxHxD)	Net	mm	940x998x330	940x1,420x330	940x1,420x330	940x1,420x330	940x1,420x330	940x1,420x330	940x1,420x330	940x1,420x330	940x1,420x330	940x1,420x330	940x1,420x330	
Operating Range	Ambient (A2W)	Heating	°C	-20~35	-20~35	-20~35	-20~35	-20~35	-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	10~46	10~46	10~46	10~46	10~46	
	Leaving Water	DHW	°C	-20~43	-20~43	-20~43	-20~43	-20~43	-20~43	-20~43	-20~43	-20~43	-20~43	-20~43	
		Heating	°C	25~55	25~55	25~55	25~55	25~55	25~55	25~55	25~55	25~55	25~55	25~55	
	Cooling	Heating	°C	5~25	5~25	5~25	5~25	5~25	5~25	5~25	5~25	5~25	5~25	5~25	
		Cooling	°C	5~25	5~25	5~25	5~25	5~25	5~25	5~25	5~25	5~25	5~25	5~25	

\*1)-2) A2W rating conditions in accordance with Eurovent Rating Standard for Liquid Chilling Packages 6/C/003-2008.

\*1) A2W Condition #1 : (Heating) Water In/Out 30°C/35°C, Outdoor Air 7°CDB/6°CWB; (Cooling) Water In/Out 23°C/18°C, Outdoor Air 35°CDB.

\*2) A2W Condition for ESEER(Cooling) at Water Out 18°C.

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

# EHS Specification - Mono (A2W)



## Mono Cylinder Unit

- Pre-plumbed Cylinder unit provides a flexible, quick and easy installation





















## Mono Control Kit

- Control Kit provides easy and flexible control solution

Model	Standard		
		NH200CHXEA	NH300CHXEA
Pressure Vessel	Material Quality	-	AISI 444 / DIN 1.4521
	Volume Capacity	Liter	192
Power Supply	Capacity	Φ, V, Hz	1,220-240,50
	Capacity	kW	3.0
Electric Element	Material	-	Incoloy 825
	Thermostat #1 ( Auto )	°C	40-70 (60 preset)
	Thermostat #2 ( Manual )	°C	91
Heating Coil	Material Quality	-	Duplex LDX 2101
	Heating Area	m <sup>2</sup>	0.8
Heating Coil for Solar	Material Quality	-	N/A
	Heating Area	m <sup>2</sup>	N/A
Insulation	Material Quality	-	PUR
	Thickness	mm	40
Insulation Jacket	Material Quality	-	Epoxy-coated mild steel-white
Dimensions Overall	WxHxD	mm	692x1,200x702
	Cold Water Inlet (pipe)	Φ, mm	22
Connections	Hot Water Outlet	Φ, inch	3/4" (BSPP)
	Flow & Return (pipe)	Φ, mm	28
	Sensor Poket(s)	mm	Ø8.05mm Inside, 1/2" Thread
Weight	Net	kg	67
	Gross	kg	-
Max. Water Temperature		°C	70
	Water Pump	-	Wilo RS 25/7
Pre-plumbed parts	2way valve	-	Honeywell V4043
	Temp. & Pressure Relief Valve	-	90°C & 10.0bar
	Pressure Reducing Valve	bar	3.0
	Relief Pressure	bar	2.1
	Strainer	mesh	25
Packaged part	Flow Switch	-	Sika VH9342
	Room thermostat & receiver	Wireless Room Thermostat	-
Timer controller	RF Receiver for Thermostat	-	Danfoss RX1
		-	Danfoss FP715 Si
Other	Packaging	-	Eco Foam-PUF
	Adjustable Legs	pcs	3










Model	MIM-E03A		
Use with		-	EHS Mono Type
Power Supply		Φ, #, V, Hz	1, 2, 220-240, 50
	Weight	Net	kg
External Dimension		Gross	kg
	Dimensions (WxHxD)	Net	mm
Gross		mm	330 x 440 x 170
External Control	Booster Heater	-	AC 230V (Max 20A)
	Back up Heater / Boiler	-	AC 230V (Max 0.5A)
	Water Pump	-	AC 230V (Max 2A)
	2way or 3way Valve	-	AC 230V (Max 0.5A / 120W)
	Room Thermostat	-	AC 230V (Max 10mA)
	Solar Pump	-	AC 230V (Max 10mA)

## Control System for DVM S

CLASSIFICATION		PRODUCT	MODEL	IMAGE	APPLICATION MODEL	
Integrated Management System	Controller	DMS 2	MIM-D00AN		DVM S	
		S-NET 3	MST-P3P		DVM S	
	Interface Module	PIM	MIM-B16N		DVM S	
System Controller	Centralized Control System	Touch controller	MCM-A300N		DVM S	
		Centralized Controller	MCM-A202DN		DVM S	
		Multi Tenant Function Controller	MCM-C210		DVM S	
		Operation Mode Selection Switch	MCM-C200		DVM Series (Except HR Models)	
		Interface Module	RAC Extension Board	MIM-A00		FJM (For Connecting Wired Remote Controller and External Contact Interface Module)
	Individual Control System	Controller	Wired Remote Controller	MWR-WE10N		DVM S
			Wireless Remote Controller	MR-DH00 / MR-DC00		DVM Series (MR-DH00 : H/P, MR-DC00 : C/O)
			ERV CO <sub>2</sub> Sensor	MOS-C1		ERV, ERV PLUS
			Wireless Signal Receiver	MRK-A10N		DVM S Duct (For Wireless Remote Controller with wire)
			External Room Sensor	MRW-TA		Cassette, Wall-mounted, Ceiling, Duct, Console
Building Management System	Building Management Module	LonWorks Gateway	MIM-B18N		DVM S	
		BACnet Gateway	MIM-B17N		DVM S	
	Guestroom Management Module	External Contact Interface Module	MIM-B14		DVM Series, FJM, CAC	
Converter	Converter Unit	MIM-N00		DVM S		
	Converter Unit	MIM-C02N		DVM S		

\*DVM Series : DVM S, DVM Mini, DVM PLUS IV, DVM PLUS IV HR

## Accessories for DVM S

Classification	Image	Model	Description	Relevant Unit	Remark
Y-joint		MXJ-YA1509M	15kW and below	DVM S	Requisite
		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		
Y-joint (High Pressure Gas) for DVM S HR module		MXJ-YA1500M	23.2 kW and below	DVM S	Requisite
		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	Below 48 HP	DVM S	Requisite
		MXJ-TA4422M	Over 50 HP		
Outdoor Joint (High Pressure Gas) for DVM S HR Module		MXJ-TA3100M	Below 48 HP	DVM S	
		MXJ-TA3800M	Over 50 HP		
Header Joint		MXJ-HA3819M	Over 69.7 kW	DVM S	Option
		MXJ-HA3115M	Below 69.6 kW		
MCU Kits		MXJ-HA2512M	Below 46.4 kW	DVM S	
		MCU-S4NEE1N	Below 4 indoor units		
		MCU-S4NEE2N	Below 4 indoor units		
EEV Kits		MCU-S6NEE1N	Below 6 indoor units	DVM S	Option
		MXD-E24K132A	Below 3.6 kW (1 Room) + 5.6 kW ~ 9.0 kW (1Room)		
		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)		
		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)		
		MEV-E24SA	Below 3.6 kW (1 Room)		
		MEV-E32SA	5.6 kW ~ 9.0 kW (1Room)	DVM S	Option





# ERV Specification



## ERV

- Damper
- Dust Filter
- Control Box
- CO<sub>2</sub> Sensor (Optional)
- 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)

Model		RHF025EE	RHF035EE	RHF050EE	RHF080EE	RHF100EE
Voltage	V	220-240	220-240	220-240	220-240	220-240
Frequency	Hz	50	50	50	50	50
Air Volume	m <sup>3</sup> /hr	250	350	500	800	1000
External Static Pressure	Pa	110	155	165	155	155
Power Input	W	115	115	175	330	450
Current	A	0.7	0.7	1.1	2.1	2.9
Temperature Exchange Efficiency	Cooling	70	70	70	70	70
	Heating	70	70	70	70	70
Effective Enthalpy Exchange Efficiency	Cooling	50	50	50	50	50
	Heating	70	70	70	70	70
Dust Collection Method	-	High Efficiency Filter(PP)	High Efficiency Filter(PP)	High Efficiency Filter(PP)	High Efficiency Filter(PP)	High Efficiency Filter(PP)
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	807 X 400 X 760	1308 X 355 X 1192	1308 X 355 X 1192	1475 X 440 X 1330	1475 X 440 X 1330
Weight (Net/Gross)	kg	28.5 / 32.5	42.5 / 53.5	42.5 / 53.5	67 / 75.5	67 / 75.5
Duct Diameter	Ø, mm	150	200	200	250	250
Virus Doctor	-	MSD-EAN1	MSD-EAN1	MSD-EAN1	MSD-EAN1	MSD-EAN1
CO2 Sensor	-	MOS-C1	MOS-C1	MOS-C1	MOS-C1	MOS-C1

### Optional Accessories

#### Individual Controllers



MWR-VH02



MWR-WE10