

Free Joint Multi

*Flexible eco-friendly airconditioning
for multiple indoor units*



- Free Joint Multi's single outdoor Twin Rotary compressor can be linked to a combination of up to 4 indoor units: Vivace, Neo-Forte or Mini Cassette
- Ideal for residential buildings where not all units are required to operate simultaneously
- Can operate between 70% and 130% of capacity
- Environmentally-friendly R410A refrigerant
- Sold and supported nationwide by Samsung Air



Free Joint Multi

High energy-efficiency, eco-friendliness and flexibility

OUTDOOR UNIT SPECIFICATIONS

Model			MH060FXEA3B	MH070FXEA4B	MH080FXEA4B	
Power Supply		Ø/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50	
Mode *1)			HP	HP	HP	
Max number of connectable Indoor units			3	4	4	
Performance	Horse Power		HP	2.0	2.5	3
	Capacity	Cooling *2)	kW	5.9	7.0	8.0
		Btu/h		20,131	23,884	27,296
	Heating *3)	kW		6.3	8.6	9.3
Btu/h			21,496	29,343	31,732	
Sound	Sound Pressure (High/Low) *4)		dB(A)	50/51	51/52 *5)	52/52 *5)
Power	Running	Cooling	A	7.3	8.7 *5)	10.5 *5)
		Heating	A	6.4	9.2 *5)	10.1 *5)
	Input	Cooling	W	1,600	1,900 *5)	2,300 *5)
		Heating	W	1,400	2,000 *5)	2,200 *5)
	Circuit breaker (MCCB/ELB)	A	14.5	16.6	16.6	
Compressor	Type		-	TWIN BLDC INV.	TWIN BLDC INV.	TWIN BLDC INV.
	Piston Displacement		cc/Rev	19.52	25.18	25.18
	Output		kW	5.86	7.77	7.77
	Lubricant	Type	-	POE	POE	POE
Charging		cc	700	700	700	
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	2.2	2.8	2.8
Fan	Type		-	Propeller	Propeller	Propeller
	Output		W			
	Airflow Rate		m³/min	41	44.8	45.4
Set Size	Net Weight		kg	59	71 *5)	71 *5)
	Shipping Weight		kg	63	79 *5)	79 *5)
	Net Dimensions (WxHxD)		mm	880x798x310	880x798x310	880x798x310
	Shipping Dimensions (WxDxH)		mm	1,023x889x413	1,023x889x413	1,023x889x413
Piping Connections	Liquid (Flare)		Ø,mm	6.35x3	6.35x4	6.35x4
	Gas (Flare)		Ø,mm	9.52x2+12.70x1	9.52x2+12.70x2	9.52x2+12.70x2
	Installation Limitation	Max. Length	m	45	70	70
		Max. Height	m	15	15	15
Operating Temp. Range	Cooling		°C	-5-43	-5-43	-5-43
	Heating		°C	-15-24	-15-24	-15-24

The Samsung Free Joint Multi air conditioner allows one exterior compressor unit to be linked to multiple indoor rooms, the total number being dependant on size and capacity of outdoor unit/indoor units. The tables below provide examples of some possible combinations; your installer can provide further information relevant to site requirements.



INDOOR UNIT SPECIFICATIONS

		VIVACE			NEO FORTE			MINI 4WAY CASSETTE			
Model			MH026FVEA	MH035FVEA	MH052FVEA	MH026FNEA	MH035FNEA	MH052FNEA	MH035FMEA	MH052FMEA	
Power Supply		Ø/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	1/220-240/50	1/220-240/50	
Mode *1)			HP	HP	HP	HP	HP	HP	HP	HP	
Performance	Cooling *2)		KW	2.6	3.5	5.2	2.6	3.5	5.2	3.5	5.2
	Heating *3)	Btu/h		8,871	11,942	17,742	8,871	11,942	17,742	11,900	17,700
		kW		2.9	3.8	5.6	2.9	3.8	5.6	3.8	5.6
		BTU/h		9,895	12,966	19,107	9,895	12,966	19,107	12,900	19,100
Sound	Sound Pressure (High/Low) *4)		dB(A)	31/21 *5)	35/21 *5)	40/30 *5)	32/23 *5)	36/23 *5)	40/30 *5)	40/37	44/40
Power	Fan	Type	-	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Turbo Fan	Turbo Fan
		Airflow Rate (Cool/Heat)	m³/min	8.5/8.3	10/10.4	14.8/14.8	8.31/8.56	9.54/9.93	13.21/14.22	10.8/11.7	12.1/13.6
		External Static Pressure (Standard High)	mmAq	-	-	-	0.18/0.18	0.19/0.19	0.3/0.3	0.37/0.37	0.52/0.52
	Running Current	Cooling/Heating	A	0.18/0.18	0.19/0.19	0.3/0.3	30/30	35/35	50/50	85/85	120/120
	Power Input	Cooling/Heating	W	30/30	35/35	50/50	6.35	6.35	6.35	6.35	6.35
Piping	Connecting Pipe	Liquid(Flare)	Ø,mm	6.35	6.35	6.35	9.52	9.52	12.70	9.52	12.70
		Gas(Flare)	Ø,mm	9.52	9.52	12.70	ID 18	ID 18	ID 18	VP:25 (OD:32, ID:25)	VP:25 (OD:32, ID:25)
		Drain	Ø,mm	ID 18	ID 18	ID 18	7.8	7.8	13.0	17.0	17.0
Set Size	Net Weight		kg	8.5	8.5	12.0	9.4	9.4	16.0	20.0	20.0
	Shipping Weight		kg	11.5	11.5	15.0	825X285X189	825X285X189	1,099X315X217	575X242X575	575X242X575
	Net Dimensions (WxHxD)		mm	825X285X189	825X285X189	1,065X298X214	900X349X252	900X349X252	1,137X377X299	660X310X635	660X310X635
	Shipping Dimensions (WxHxD)		mm	900X349X252	900X349X252	1,137X377X299	-	-	-	PMSMA	PMSMA
Accessories	Panel		-	-	-	-	-	-	Built-in	Built-in	
	Filter		-	-	-	-	-	-	Built-in	Built-in	
	Drain Pump		-	-	-	-	-	-	-	-	

1. Mode – HP; Heat Pump, HR: Heat Recovery

2. Nominal cooling capacities are based on: Indoor temp: 27° CDB, 19° CWB; Outdoor temp: 35° CDB, 24° CWB; Equivalent ref. piping: 7.5m. Level differences: 0m

3. Nominal heating capacities are based on the following conditions: Indoor temp: 20° CDB, 15° CWB; Outdoor temp: 7° CDB, 6° CWB; Equivalent ref. piping: 7.5m. Level differences: 0m.

4. Sound pressure acquired in a dead room; actual noise level may differ depending on installation conditions.

5. Specifications are subject to change without prior notice for product improvement.