



VRF Hot Water Module Indoor Unit

The VRF Hot Water Module enables the production of hot water from a standard VRF SMMSe and SHRMe system using waste heat that would normally be exhausted to the atmosphere. The Hot Water Module available in 2.5 hp and 5 hp configurations is capable of providing 8 kW and 16 kW of heating respectively to generate hot water up to 45°C. With the addition of an externally-fitted back-up heater the hot water temperature can be increased to 50°C. Hot Water Modules can be combined in multiples of two for systems above 8 hp.

CODE			80	160
Performance				
Indoor Unit		MMW-	AP0271LQ-E	AP0561LQ-E
Capacity Code		hp	2.5	5.0
Nominal	Heating Capacity	kW	8.0	16.0
Operating Modes			Heating	Heating
Heating	Operating Ambient Range	°C WB	-20 - 19	-20 - 19
	Operation Water Side (min. - max.)	°C	25 - 50	25 - 50
Electrical	Power Input	kW	0.014	0.014
	Run Current	A	0.080	0.080
Indoor Data				
Indoor Unit		MMW-	AP0271LQ-E	AP0561LQ-E
Sound pressure		dB(A)	25	27
Unit	Height x Width x Depth	mm	580 x 400 x 250	580 x 400 x 250
	Weight	kg	18	20
Pipe Connection	Flare Connections (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8
	Water	mm	R1-1/4 (PT1-1/4 Screw)	R1-1/4 (PT1-1/4 Screw)
Refrigerant	Type		R410A	R410A
	Charge Amount (liquid pipe length)	kg	Std VRF calculation	Std VRF calculation
Water	Circulating Pump (not included)		Field Supplied	0
	Design Pressure	mPa	3.73	3.73
	Design Pressure	mPa	1	1
	Nominal Flow Rate	l/min	22.9	45.8
	Minimum Flow Rate	l/min	19.5	38.9
	ΔT	°C	5	5
Power Supply	Suggested Fuse Size	V/ph/Hz-A	220-240/1/50-5	220-240/1/50-5



Hot water production



Automatic restart



Multi-split branching

Minimum diversity is 70% when Hot Water Module MMW is connected to SMMSe

8 hp	10 hp	12 hp	14 hp	16 hp	18 hp	20 hp	22 hp	24 hp	26 hp	28 hp	30 hp	32 hp	34 hp	36 hp	38 hp	40 hp	42 hp	44 hp	46 hp	48 hp
96%	90%	86%	83%	81%	79%	78%	76%	75%	75%	74%	73%	73%	72%	72%	72%	71%	71%	71%	70%	70%

Minimum diversity 65%, combination FCU connection with HWM

Calculation Diversity (Indoor Air Conditioner hp (min.65%) + HWM/Outdoor hp
Example 48 hp: (31.2 hp + 3 hp)/48 hp = 70.2%

