

VRF ODU Unit – 14T

MVHQ168ME4CA



FEATURES & BENEFITS

- Single chassis module 6-20T, 3 modules combination up to 38T.
- Increased operation ranges from -22°F heating to 122°F cooling.
- Improved quiet operation with a 10 dB(A) sound level reduction.
- Electronic Expansion Valves allow for precise temperature control at $\pm 0.5^\circ\text{F}$.
- Internal oil balancing, and recycling operation extends the life of compressors.

Job Name: _____

Approval: _____

Purchaser: _____

Date: _____

Submitted To: _____

Submitted By: _____

Construction: _____

Unit: _____

Reference: _____

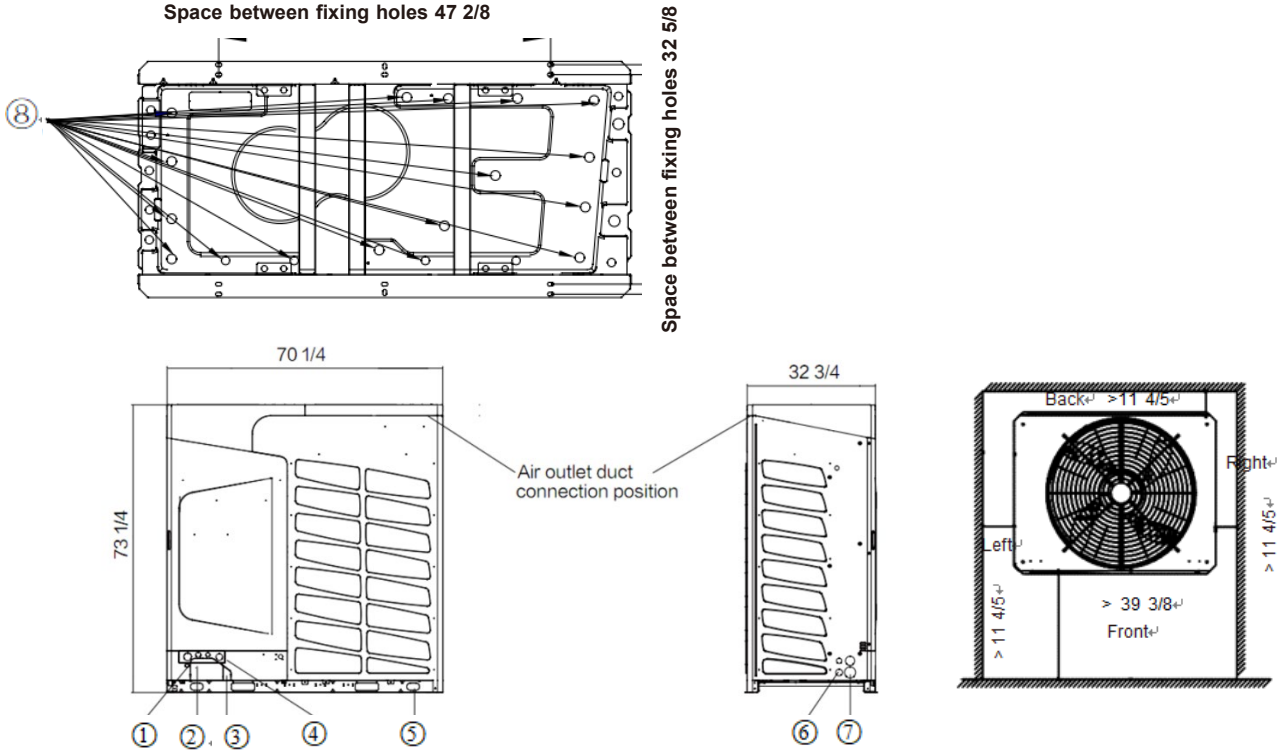
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SPECIFICATIONS

Marketing Model name		MVHQ168ME4CA	Notes
Nominal Capacity (Btu/h)		168000	Compatible with all Haier MRV indoor units.
Electrical	Voltage, Cycle, Phase V/Hz/-	460/60/3	Structure The unit shall be galvanized steel with a powder coated finish. Hinge access door design for easier maintenance, saving much labor. Heat Exchanger The heat exchanger shall be mechanically bonded fin to copper tube. The aluminum fins of the heat exchanger shall have a protective coating. Salt spray test method: ASTM B117-18 - the heat exchanger showed no unusual rust or corrosion development for 1000 hours. Refrigerant System EVI compressors provide advanced low ambient heating performance. Refrigerant flow shall be controlled by EEV (electronic expansion valve) throughout the system. Sub-cooling devices in system maintain capacity at extreme system refrigerant pipe lengths and minimize refrigerant noise. Automatic oil balancing The oil is balanced automatically internally which simplifies system design and improves reliability. Agency Certified to latest version AHRI standard 1230. Snow hood accessory Compatible to optional snow hood accessories to protect unit in the worst weather. Recommendation: The minimum number of indoor machine connections is greater than or equal to 2.
Performance Non-Ducted	Rated Cooling Capacity@95°F (Btu/h)	160000	
	EER @95 °F	11.40	
	IEER	23.20	
	Rated Heating Capacity @47°F(Btu/h)	180000	
	COP @ 47°F	3.60	
	Rated Heating Capacity@17°F(Btu/h)	122000	
	COP @ 17°F	2.50	
	SCHE	26	
Performance Ducted	Rated Cooling Capacity@95°F (Btu/h)	160000	
	EER @95 °F	11.50	
	IEER	21.50	
	Rated Heating Capacity @47°F(Btu/h)	180000	
	COP @ 47°F	3.40	
	Rated Heating Capacity@17°F(Btu/h)	122000	
	COP @ 17°F	2.40	
SCHE	24.7		
Electrical	MCA (A) / MOP (A)	40/60	
Operation Range	Working temp. Cooling F°+ Snow hood	-4°F -122°F	
	Working temp. Heating F°	-22°F ~60°F	
ODU	Dimension: H*W*D	73-1/4*70-1/4*32-1/4	
	Refrigerant charge (oz.)	1040.6	
	Net Weight- lbs	1162.0	
Compressor	Type	Scroll	
	Qty	2	
	Oil Type	FVC68D	
	Refrigerant Type	R410A	
Connection ratio	Maximum number of indoor units	33	
	Connection ratio (IDU/ODU capacity)	50% — 130%	
Fan	Type/ Qty	Propeller/2	
	CFM	16400	
Refrigerant piping	Liquid pipe O.D. I in	5/8	
	Gas pipe O.D. i in	1-1/8	
	High Gas pipe O.D. i in	1-1/8	
Sound	Sound Level dB(A)	72	

Drawing

UNIT: Inches



No.	Name Remark	
1	Signal line hole(Ø25)	Using the rubber plug in the unit's attachment for protection
2	Pipe outlet for 2-pipe system	
3	Pipe outlet for 3-pipe system	
4	Power supply hole	According to the wire diameter size to choose the appropriate line hole, and using the line sheath in the unit's attachment for protection
5	Hoisting hole	
6	Power supply of signal line hole	
7	Refrigerant pipe outlet	
8	Drain hole	