GE APPLIANCES
a Haier company

AIR&WATER SOLUTIONS
WATER HEATING & TREATMENT | COMMERCIAL AC | DUCTLESS & VRF

Submittal Data Sheet

Haier

VRF ODU Unit – 12T

MVHQ144ME4CA

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 ±0.5°F.
- Internal oil balancing, and recycling operation extends the life of compressors.

Job Name: _____

Purchaser: _____

Submitted To: _____

Construction: _____

Reference: _____

Approval: _____

Date: _____

Submitted By: _____

Unit: _____

Drawing #: _____

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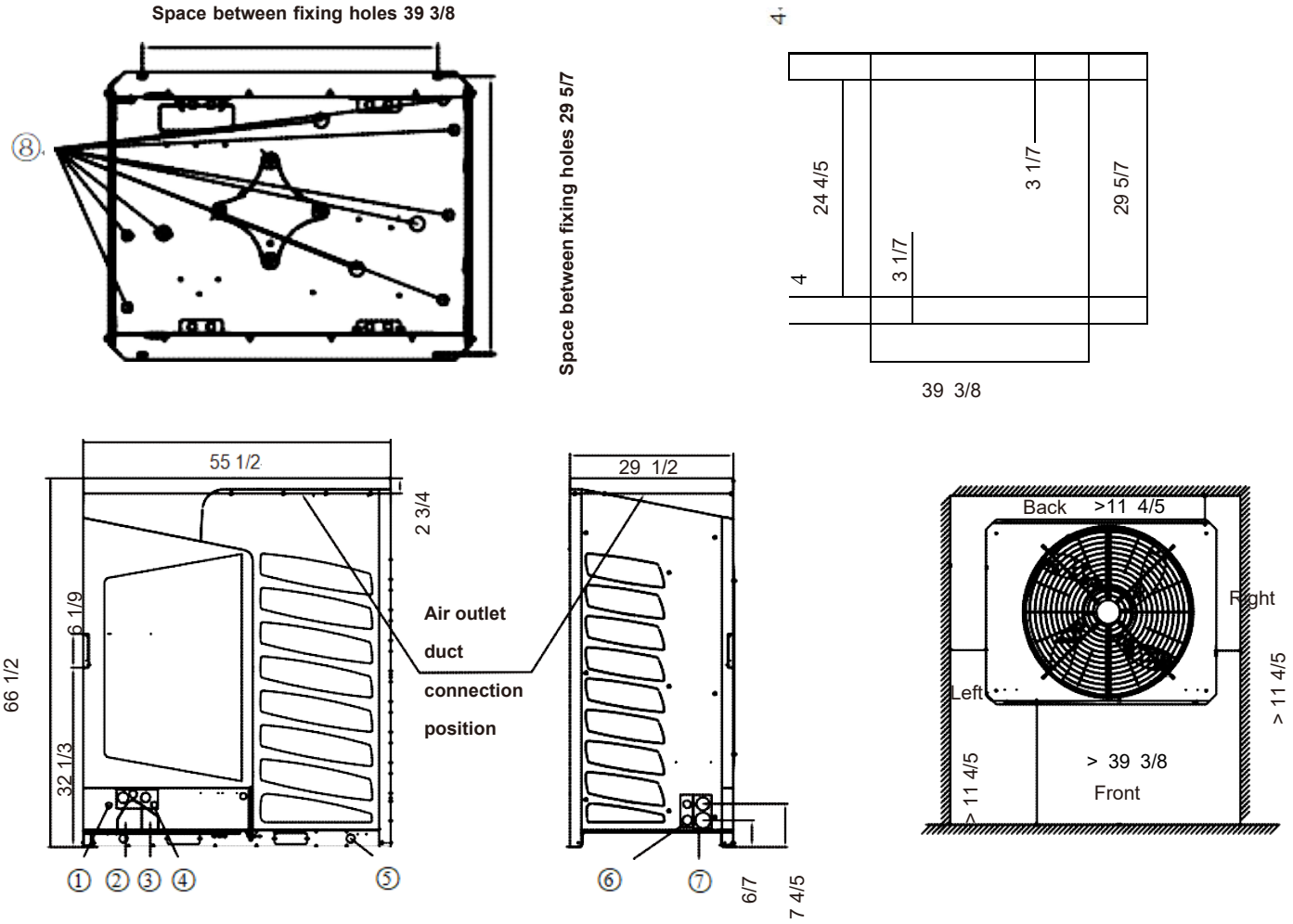
SPECIFICATIONS

Marketing Model name		MVHQ144ME4CA	Notes
Nominal Capacity (Btu/h)		144000	Compatible with all Haier MRV indoor units.
Electrical	Voltage, Cycle, Phase *V/Hz/-*	460/60/3	**Structure**
Performance Non-Ducted	Rated Cooling Capacity@95°F (Btu/h)	138000	The unit shall be galvanized steel with a powder coated finish.
	EER @95 °F	10.80	Hinge access door design for easier installation and maintenance
	IEER	20.00	**Heat Exchanger**
	Rated Heating Capacity @47°F(Btu/h)	154000	The heat exchanger shall be mechanically bonded fin to copper tube.
	COP @ 47°F	3.40	The aluminum fins of the heat exchanger shall have a protective coating.
	Rated Heating Capacity@17°F(Btu/h)	108000	Salt spray test method: ASTM B117-18 - the heat exchanger showed no unusual rust or corrosion development for 1000 hours.
	COP @ 17°F	2.40	**Refrigerant System**
	SCHE	21.6	EVI compressors provide advanced low ambient heating performance.
Performance Ducted	Rated Cooling Capacity@95°F (Btu/h)	138000	Refrigerant flow shall be controlled by EEV (electronic expansion valve) throughout the system.
	EER @95 °F	10.80	Sub-cooling devices in system maintain capacity at extreme system refrigerant pipe lengths and minimize refrigerant noise.
	IEER	20.30	**Automatic oil balancing**
	Rated Heating Capacity @47°F(Btu/h)	154000	The oil is balanced automatically internally which simplifies system design and improves reliability.
	COP @ 47°F	3.40	**Agency**
	Rated Heating Capacity@17°F(Btu/h)	108000	Certified to latest version AHRI standard 1230.
	COP @ 17°F	2.40	**Snow hood accessory**
	SCHE	20.6	Compatible to optional snow hood accessories to protect unit in the worst weather.
Electrical	MCA（A）/ MOP（A）	30/40	**Recommendation:**
Operation Range	Working temp. Cooling F°+ Snow hood	-4°F -122°F	The minimum number of indoor machine connections is greater than or equal to 2.
	Working temp. Heating F°	-22°F ~60°F	
ODU	Dimension: H*W*D	66-1/2*55-1/2*29-1/2	
	Refrigerant charge （oz.）	783.1	
	Net Weight- *lbs*	895	
Compressor	Type	Scroll	
	Qty	2	
	Oil Type	FVC68D	
	Refrigerant Type	R410A	
Connection ratio	Maximum number of indoor units	24	
	Connection ratio (IDU/ODU capacity)	50% — 130%	
Fan	Type/ Qty	Propeller/2	
	CFM	9942	
Refrigerant piping	Liquid pipe O.D. I in	1/2	
	Gas pipe O.D. i in	1 1/8	
	High Gas pipe O.D. i in	1 1/8	
Sound	Sound Level dB(A)	62	

Drawing

UNIT: Inches



No.	Name Remark	
1	Signal line hole(Ø1)	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	