



GE APPLIANCES

460V VARIABLE REFRIGERANT FLOW HEAT PUMP SYSTEM OUTDOOR UNIT

MWHQ144NC4CA

12
TON

SUBMITTAL

Job Name:

Purchaser:

Submitted To:

Construction:

Reference:

Approval:

Date:

Submitted By:

Unit:

Drawing #:



Features and Benefits

- Configurable heat pump or heat recovery
- AVRA (Advanced Variable Refrigerant Adjustment) optimizes heating and cooling based on outdoor conditions to maximize efficiency and reduce costs.
- Diamond Shield multi-layer safety system designed to support safe and reliable operation with A2L refrigerants, incorporating multiple protection features for enhanced system safety and peace of mind.
- MRV-Link
 - Wireless communication
 - Zigbee wireless protocol
 - Simple installation
 - Easy to service
- Swing-out electrical service door and direct refrigerant cooled PCB
- Enhanced Corrosion Protection 1500 hours of anti-corrosion black fin spray
- Industry leading 32.3 in. low weight fan
- AHU kit Supports third-party AHU integration with R32 MRV
- Flexible long piping length
- PID control: $\pm 1^\circ\text{F}$ accurate temperature control with dual pressure sensors and dual valves
- Multiple quiet fan mode operations
- R32 refrigerant

Controls

Zone Controllers	N/A
Central Controllers	5", 7", 12.5"
Integration Controllers	HCM-04/HA-MA
MRV-Link Wireless Communication	Yes
Bluetooth Blackbox	Yes (App Pending)
BMS Solutions	HCM-05

Specifications

ODU	Marketing Model Name	MWHQ144NC4CA
	Nominal Capacity (Btu/h)	144,000
	Dimension: H x W x D (in)	66.5 x 58.33 x 32.5
	Net Weight (lbs)	898
	Sound Level (dBA)	62
	Compressor Type/Qty	DC Inverter EVI Scroll / 2
	Compressor Oil Type	FW-68CA
Connections	Maximum Number of Indoor Units	30
	Connection Ratio (IDU/ODU Capacity)	50% – 150%
Operating Range	Cooling with Snow Hood (°F)	-4 ~ 122
	Heating (°F)	-22 ~ 60
Electrical	Power Supply	460 / 3 / 60
	MCA/MOP (A)	31 / 40
Non-Ducted Performance	Rated Cooling Capacity @ 95°F (Btu/h)	138,000
	EER @ 95°F	10.8
	IEER	21
	Rated Heating Capacity @ 47°F (Btu/h)	154,000
	COP @ 47°F	3.6
	Rated Heating Capacity @ 17°F (Btu/h)	108,000
	COP @ 17°F	2.5
Ducted Performance	SCHE	24.2
	Rated Cooling Capacity @ 95°F (Btu/h)	138,000
	EER @ 95°F	10.8
	IEER	20.3
	Rated Heating Capacity @ 47°F (Btu/h)	154,000
	COP @ 47°F	3.5
	Rated Heating Capacity @ 17°F (Btu/h)	108,000
Refrigerant and Piping	COP @ 17°F	2.4
	SCHE	24.3
	Refrigerant Type/Charge (oz.)	R-32 / 15.88
	Liquid pipe O.D. (in)	1/2
	Gas pipe O.D. (in)	1-1/8

For more information visit us:

GEAppliancesAirAndWater.com

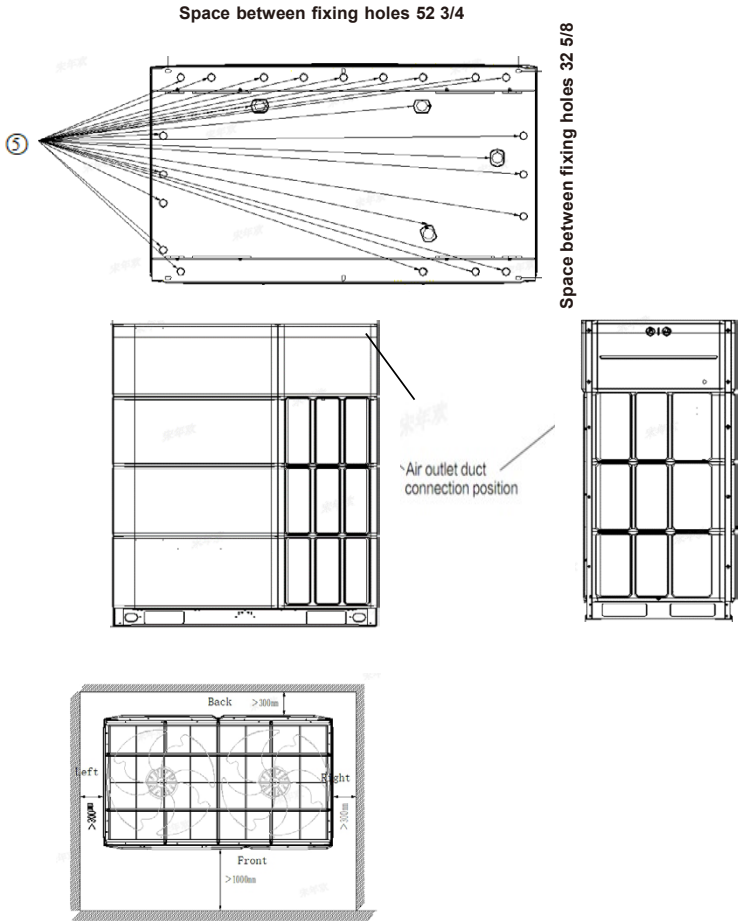
©Copyright 2026 GE Appliances, a Haier Company. GE is a trademark of the General Electric Company. Manufactured under trademark license. GE Appliances has a policy of continuous improvement of its products and reserves the right to change materials and specifications without notice.



GE APPLIANCES
a Haier company

AIR&WATER
SOLUTIONS

UNIT: Inches



No.	Name Remark	
1	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
2	Pipe outlet for 2-pipe system	
3	Pipe outlet for 3-pipe system	
4	Refrigerant pipe outlet	
5	Drain hole	

SUBMITTAL REVISION HISTORY

05-05-26: Submittal release.