

Outdoor Unit Multi-zone Heat Pump Ductless System

Outdoor Model: **38MGRQ30D--3**

Submittal Data

Job Data: Location:

Buyer: Buyer P.O. #: Carrier #:

Unit Number: Model Number:

Performance Data Certified By: Date:



MULTI-ZONE STANDARD FEATURES

Features Outdoor:

- Connect up to 4, multiple style indoor units
 - High Wall
 - Cassette
 - Ducted
 - Console
 - Air Handler
- 100% Heating Capacity at 5° F (-15° C)
- Variable Speed (Inverter) Compressor
- Basepan Heater factory installed
- Quiet operation
- Aluminum Hydrophilic pre-coated fins

Cooling operating range -13°~122° F (-25°~50° C)

Heating operating range -22°~86° F (-30°~30° C)

LIMITED WARRANTY*

- 10 year limited to original purchaser on compressor and parts upon timely registration, otherwise 5 years

*For residential applications. See warranty for full details.

Compatibility Table

For matched compatibility see Product Data

PHASED OUT
INDOOR UNITS

INDOOR UNIT				
High Wall	40MPHAQ09XA3	619PHAQ09XA3	DHMPHAQ09XA3	
	40MPHAQ12XA3	619PHAQ12XA3	DHMPHAQ12XA3	
	40MAQB09B--3	619PEQ009BBMA	DHMSHAQ09XA3	
	40MAQB12B--3	619PEQ012BBMA	DHMSHAQ12XA3	
	40MAQB18B--3	619PEQ018BBMA	DHMSHAQ18XA3	
	40MAQB24B--3	619PEQ024BBMA	DHMSHAQ24XA3	
	40MAHBQ06XA3	619AHBQ06XA3	DHMAHBQ06XA3	
	40MAHBQ09XA3	619AHBQ09XA3	DHMAHBQ09XA3	
	40MAHBQ12XA3	619AHBQ12XA3	DHMAHBQ12XA3	
	40MAHBQ18XA3	619AHBQ18XA3	DHMAHBQ18XA3	
	40MAHBQ24XA3	619AHBQ24XA3	DHMAHBQ24XA3	
	40MHHQ09---3			
	40MHHQ12---3			
	40MHHQ18---3			
40MHHQ24---3				
Cassette	40MBQB09C--3	619REQ009CBMA		
	40MBQB12C--3	619REQ012CBMA		
	40MBQB18C--3	619REQ018CBMA		
	40MBCQ09---3			
	40MBCQ12---3			
	40MBCQ18---3			
	40MBCQ24---3			
Ducted	40MBQB09D--3	619REQ009DBMA		
	40MBQB12D--3	619REQ012DBMA		
	40MBQB18D--3	619REQ018DBMA		
	40MBQB24D--3	619REQ024DBMA		
	40MBDQ09---3			
	40MBDQ12---3			
	40MBDQ18---3			
Console	40MBQB09F--3	619REQ009FBMA	40MBFQ09---3	
	40MBQB12F--3	619REQ012FBMA		
	40MBFQ12---3			
	40MBFQ18---3			
Air Handler	40MBFQ24---3			
	40MBAAQ24XA3			

Specifications

System	Size	30		
	Outdoor Model	38MGRQ30D--3		
	Max Number of Zones	4		
Performance Non-Ducted	Energy Star	YES		
	Cooling System Tons	2.5		
	Cooling Rated Capacity	Btu/h	30,000	
	Cooling Cap. Range Min - Max	Btu/h	8,090~41,470	
	SEER	23.8		
	EER	12.5		
	Heating Rated Capacity (47°F)	Btu/h	28,000	
	Heating Maximum Capacity (5°F)	Btu/h	29,230	
	Heating Cap. Range Min - Max	Btu/h	6,350~41,950	
	HSPF	10		
	COP (47°F)	W/W	3.8	
	COP (5°F)	W/W	2	
	Performance Combination Ducted and Non-Ducted	Energy Star	NO	
		Cooling System Tons	2.5	
Cooling Rated Capacity		Btu/h	30,000	
Cooling Cap. Range Min - Max		Btu/h	8,060~39,990	
SEER		22.4		
EER		11.25		
Heating Rated Capacity (47°F)		Btu/h	29,000	
Heating Maximum Capacity (5°F)		Btu/h	28,615	
Heating Cap. Range Min - Max		Btu/h	6,275~42,305	
HSPF		10		
COP (47°F)		W/W	3.7	
COP (5°F)		W/W	1.99	
Performance Ducted		Energy Star	NO	
		Cooling System Tons	2.5	
	Cooling Rated Capacity	Btu/h	30,000	
	Cooling Cap. Range Min - Max	Btu/h	8,030~38,510	
	SEER	21		
	EER	10		
	Heating Rated Capacity (47°F)	Btu/h	30,000	
	Heating Maximum Capacity (5°F)	Btu/h	28,000	
	Heating Cap. Range Min - Max	Btu/h	6,200~42,660	
	HSPF	10		
	COP (47°F)	W/W	3.6	
COP (5°F)	W/W	1.98		

Operating Range	Cooling Outdoor DB Min - Max	°F(°C)	-13~122 (-25~50)
	Heating Outdoor DB Min - Max	°F(°C)	-22~86 (-30~30)
Piping	Total Piping Length	ft (m)	263(80)
	Piping to furthest FCU	ft (m)	115(35)
	Drop (OD above ID)	ft (m)	49(15)
	Lift (OD below ID)	ft (m)	49(15)
	Pipe Connection Size - Liquid	in (mm)	1/4*4(6.35*4)
	Pipe Connection Size - Suction	in (mm)	1/2 *1+ 3/8*3 (12.7*1+9.52*3)
Refrigerant	Type	R410A	
	Charge	lbs (kg)	6.61 (3.0)
	Metering Device	EEV	
Electrical	Voltage, Phase, Cycle	V/Ph/Hz	208/230-1-60
	Power Supply	Indoor unit powered from outdoor unit	
	MCA	A.	30
	MOCP - Fuse Rating	A.	45
Compressor	Type	R410A	
	Model	ATF310D43UMT	
	Oil Type	ESTER OIL VG74	
	Oil Charge	Fl. Oz.	35.27
	Rated Current	RLA	19
Outdoor	Unit Width	in (mm)	41.22 (1047)
	Unit Height	in (mm)	31.88 (810)
	Unit Depth	in (mm)	17.91 (455)
	Net Weight	lbs (kg)	156.5 (71)
	Airflow	CFM	2130
	Sound Pressure	dB(A)	62.3

Rated Combinations

Two Zones	Three Zones	Four Zones
6+9	6+6+6	6+6+6+6
6+12	6+6+9	6+6+6+9
6+18	6+6+12	6+6+6+12
6+24	6+6+18	6+6+6+18
9+9	6+6+24	6+6+6+24
9+12	6+9+9	6+6+9+9
9+18	6+9+12	6+6+9+12
9+24	6+9+18	6+6+9+18
12+12	6+9+24	6+6+9+24
12+18	6+12+12	6+6+12+12
12+24	6+12+18	6+6+12+18
18+18	6+12+24	6+6+12+24
	6+18+18	6+6+18+18
	6+18+24	6+9+9+9
	9+9+9	6+9+9+12
	9+9+12	6+9+9+18
	9+9+18	6+9+9+24
	9+9+24	6+12+12+12
	9+12+12	6+12+12+18
	9+12+18	9+9+9+9
	9+12+24	9+9+9+12
	9+18+18	9+9+9+18
	12+12+12	9+9+12+12
	12+12+18	9+9+12+18
	12+18+18	9+12+12+12
	12+12+24	12+12+12+12

Construction View

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