

# Outdoor Unit Multi-zone Heat Pump Ductless System

Outdoor Model: 38MGHBQ30DA3

## Submittal Data

Job Data:		Location:	
Buyer:		Buyer P.O. #:	
Unit Number:		Carrier #:	
		Model Number:	
Performance Data Certified By:		Date:	

### MULTI-ZONE OUTDOOR STANDARD FEATURES:

- Connect 2 to 4, multiple style indoor units
  - High Wall ≤24K
  - Cassette ≤24K
  - Ducted ≤24K
  - Console ≤24K

- Variable Speed (Inverter) Compressor
- Basepan Heater factory installed
- Quiet operation
- Aluminum Hydrophilic pre-coated fins

Cooling operating range -22°~122° F (-30°~50° C)

Heating operating range -22°~75° F (-30°~24° C)

- 85% Heating Capacity Maintenance at 5° F (-15° C)
- 47% Heating Capacity Maintenance at -22° F (-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.



Operating Range	Cooling Outdoor DB Min - Max	°F(°C)	-22~122 (-30~50)
	Heating Outdoor DB Min - Max	°F(°C)	-22~75 (-30~24)
Piping	Total Piping Length	ft (m)	262 (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)	8.38 (3.8)
	Metering Device		EXV
Electrical	Voltage, Phase, Cycle	V/Ph/Hz	208/230-1-60
	Power Supply		Indoor unit powered from outdoor unit
	MCA	A.	25
	Recommended Fuse Size	A.	30
	MOPA - Fuse Rating	A.	40
Compressor	Type		R410A
	Model		KTF310D43UMT
	Oil Type		ESTER OIL VG74
	Oil Charge	Fl. Oz.	33.8
	Rated Current	RLA	18.0
Outdoor	Unit Width	in (mm)	37.24 (946)
	Unit Height	in (mm)	31.89 (810)
	Unit Depth	in (mm)	16.14 (410)
	Net Weight	lbs (kg)	169.09 (76.7)
	Airflow	CFM	2,147
	Sound Pressure	dB(A)	63

# Specifications

System	Size		30HH
	Outdoor Model		38MGHBQ30DA3
	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	9,429~40,800
	SEER		25
	EER		12.5
	Heating Rated Capacity (47°F)	Btu/h	30,000
	Heating Rated Capacity (17°F)	Btu/h	17,500
	Heating Rated Capacity (5°F)	Btu/h	23,300
	Heating Maximum Capacity (5°F)	Btu/h	29,400
	Heating Cap. Range Min - Max	Btu/h	8,118~41,400
	HSPF		11.3
	COP (47°F)	W/W	3.81
	COP (17°F)	W/W	2.82
	COP (5°F) - Rated	W/W	1.90
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	8,777~39,650
	SEER		22.4
	EER		12.1
	Heating Rated Capacity (47°F)	Btu/h	30,000
	Heating Rated Capacity (17°F)	Btu/h	17,900
	Heating Rated Capacity (5°F)	Btu/h	23,500
	Heating Maximum Capacity (5°F)	Btu/h	29,000
	Heating Cap. Range Min - Max	Btu/h	7,385~42,300
	HSPF		10.65
	COP (47°F)	W/W	3.81
	COP (17°F)	W/W	2.79
	COP (5°F) - Rated	W/W	1.88
Performance Ducted	Energy Star		NO
	Cooling System Tons		2.5
	Cooling Rated Capacity	Btu/h	30,000
	Cooling Cap. Range Min - Max	Btu/h	8,124~38,500
	SEER		19.8
	EER		11.6
	Heating Rated Capacity (47°F)	Btu/h	30,000
	Heating Rated Capacity (17°F)	Btu/h	18,300
	Heating Rated Capacity (5°F)	Btu/h	23,600
	Heating Maximum Capacity (5°F)	Btu/h	28,600
	Heating Cap. Range Min - Max	Btu/h	6,652~43,200
	HSPF		10
	COP (47°F)	W/W	3.81
	COP (17°F)	W/W	2.75
	COP (5°F) - Rated	W/W	1.85

# Rated Combinations

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

Outdoor Model: 38MGHBQ30DA3

