

38MPRA Outdoor Unit



turn to the experts™ 

Heat Pump with Basepan Heater

Inverter Compressor

Up to 42 SEER

Up to 15.0 HSPF

Sizes: 9/12/18/24

All systems are ENERGY STAR® certified

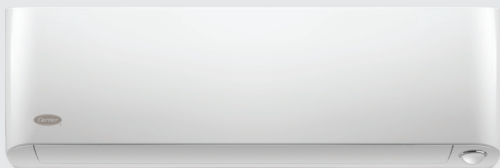
Outdoor Features:

- 100% Cooling capacity at -22°F (-30°C) without additional kit
- Available in 208/230V
- Built-in basepan heater
- Auto-restart function
- Refrigerant leakage detection
- Quiet outdoor operation, as low as 55 dB(A)
- Aluminum golden hydrophilic pre-coated fins
- Piping length 98 ft (30m)
- Cooling operating range -22°~122°F (-30°~50°C)
- Heating operating range -22°~86°F (-25°~30°C)

Compatible with:

- 40MPHA High Wall

Sizes: 9/12



Sizes: 18/24



There's nothing more efficient¹ – when paired with the 40MPHA indoor unit, this system has a SEER rating up to 42 with 15 HSPF, making it ENERGY STAR® certified. The new, ultra-efficient 38MPRA outdoor unit with built-in basepan heater offers year-round comfort. Its impressive cooling operating range maintains consistent capacity from -22° F to 122° F. On the other end of the spectrum, the system has a broad high heating capability, running from -22° F to 86° F. No matter the temperature outside, this system can handle the extremes.

Key Features:

Extra-Low Temperature Heating

Heat output up to 75% of rated capacity down to -22°F (-30°C), so when it's cold outside, it will be warm inside, making this a primary heat source and eliminating the need for a backup heat source.

Stepless Frequency Adjustment

Precise control maintains stable and constant room temperature while reducing sound level and saving energy.

INFINITY  SERIES

¹ According to system ratings maintained by AHRI as of January 22, 2018, in accordance with the AHRI Unitary Small Equipment Operations Manual. The 9,000 Btu/h single-zone ductless has a 42 SEER Rating.

38MPRA Outdoor Unit

HEAT PUMP

Size		09	12	18	24	
System	Outdoor Model	38MPRAQ09AA3	38MPRAQ12AA3	38MPRAQ18AA3	38MPRAQ24AA3	
Electrical	Voltage, Phase, Cycle	V/Ph/Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
	MCA	A.	13	15	18	20
	MOCP - Fuse Rating	A.	15	20	30	30
Operating Range	Cooling Outdoor DB Min-Max	°F (°C)	-22~-122 (-30~-50)	-22~-122 (-30~-50)	-22~-122 (-30~-50)	-22~-122 (-30~-50)
	Heating Outdoor DB Min-Max	°F (°C)	-22~-86 (-30~-30)	-22~-86 (-30~-30)	-22~-86 (-30~-30)	-22~-86 (-30~-30)
Piping	Total Piping Length	ft (m)	98 (30)	98 (30)	98 (30)	98 (30)
	Piping Lift*	ft (m)	49 (15)	49 (15)	65 (20)	65 (20)
	Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	1/4 (6.35)	3/8" (9.52)	3/8" (9.52)
	Pipe Connection Size - Suction	in (mm)	3/8 (9.52)	1/2 (12.7)	5/8" (15.9)	5/8" (15.9)
Refrigerant	Type		R410A	R410A	R410A	R410A
	Charge	lbs (kg)	3.5 (1.58)	3.5 (1.58)	5.7 (2.6)	6.5 (2.95)
Compressor	Type		Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter
Outdoor	Unit Width	in (mm)	33.27 (845)	33.27 (845)	37.24 (946)	37.24 (946)
	Unit Height	in (mm)	27.64 (702)	27.64 (702)	31.89 (810)	31.89 (810)
	Unit Depth	in (mm)	14.29 (363)	14.29 (363)	16.14 (410)	16.14 (410)
	Net Weight	lbs (kg)	107.59 (48.8)	108.47 (49.2)	135.4 (61.4)	145.1 (65.8)
	Airflow	CFM	1,380	1,380	2,236	2,236
	Sound Pressure	dB(A)	55.5	56.0	61.5	62.0

* Condensing unit above or below indoor unit

Compatibility Table

INDOOR UNIT		OUTDOOR UNIT			
		38MPRAQ09AA3	38MPRAQ12AA3	38MPRAQ18AA3	38MPRAQ24AA3
High Wall	40MPHAQ09XA3	•			
	40MPHAQ12XA3		•		
	40MPHAQ18XA3			•	
	40MPHAQ24XA3				•

Performance

Indoor Model		40MPHAQ09XA3	40MPHAQ12XA3	40MPHAQ18XA3	40MPHAQ24XA3
Energy Star		YES	YES	YES	YES
Cooling System Tons		0.8	1.0	1.5	1.8
Cooling Rated Capacity	Btu/h	9,000	12,000	18,000	22,000
Cooling Cap. Range Min-Max	Btu/h	5,000~17,000	5,800~19,000	6,888~30,511	7,445~32,644
SEER		42.0	32.0	28.2	23.5
EER		15	13.5	14.5	13.65
Heating Rated Capacity (47°F)	Btu/h	10,000	12,000	18,000	24,000
Heating Rated Capacity (17°F)	Btu/h	7,200	6,800	12,300	15,450
Heating Maximum Capacity (17°F)	Btu/h	15,690	17,070	22,000	22,000
Heating Maximum Capacity (5°F)	Btu/h	13,000	13,800	18,000	24,000
Heating Maximum Capacity (-13°F)	Btu/h	8,917	9,782	16,572	19,799
Heating Cap. Range Min-Max	Btu/h	3,100~19,000	3,500~21,000	10,835~29,414	12,050~32,270
HSPF		15.0	14.0	14.0	12.0
COP (47°F)	W/W	4.00	4.24	4.12	3.89
COP (17°F)	W/W	2.78	2.64	3.20	3.00
COP (5°F)	W/W	2.00	2.00	2.00	2.00



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