

Single Zone Heat Pump Ductless System

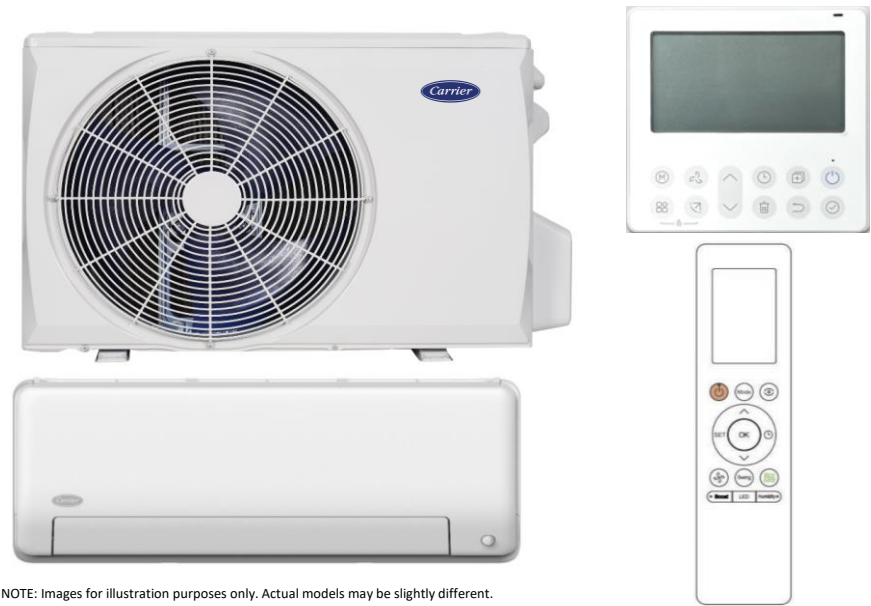
Outdoor Model: 37MPRAQ12AA3
Indoor Model: 45MPHAQ12XA3



Turn to the experts

Job Data:
Tag #:
Date:

Location:
Carrier#:



NOTE: Images for illustration purposes only. Actual models may be slightly different.

- OUTDOOR STANDARD FEATURES**
- Variable Speed (Inverter)
 - Factory installed Base Pan Heater
 - Factory installed Crankcase Heater
 - Low Voltage Controls
 - Auto-Restart function
 - Condenser High Temp Protection
 - Quiet operation
 - Anti-corrosive fin coating

- INDOOR STANDARD FEATURES**
- Modes: Cool, Heat, Dry, Fan, Auto
 - Four fan speeds
 - Sleep Mode
 - Turbo Mode
 - Louver Angle Memory
 - Follow Me (senses temperature at handheld remote)
 - Auto-Restart function
 - Condenser High Temp Protection
 - Quiet indoor operation
 - Anti-corrosive fin coating

- RESIDENTIAL APPLICATION LIMITED WARRANTY***
- Ten (10) years if properly registered within ninety (90) days after original installation, parts are warranted to the original purchaser for a period of ten (10) years. Otherwise, parts warranty is five (5) years.

Outdoor - Heat Pump			
System	Outdoor Model #	37MPRAQ12AA3	
	Outdoor Size	12000	
Electrical	Voltage, Phase, Cycle	V/Ph/Hz	208-230V/1/60
	MCA	A.	16
	MOPA	A.	20
	SCCR	kA	5
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	Min. Piping Length	ft (m)	9.8 (3)
	Standard Piping Length	ft. (m)	24.6 (7.5)
	Total Piping Length	ft (m)	82.02(25)
	Piping Lift	ft (m)	49.21(15)
	Pipe Connection Size - Liquid	in (mm)	1/4in(6.35mm)
Refrigerant	Pipe Connection Size - Suction	in (mm)	3/8in(9.52mm)
	Refrigerant Type	R454B	
	Charge	lbs (kg)	2.76(1.25)
Outdoor Coil	Add'l Refrigerant (between Std & Max Piping Lengths)	Oz/ft (g/m)	0.16(15)
	Face Area	Sq. Ft.	5.9
	No. Rows		1.6
	Fins per inch		20
Compressor	Circuits		4
	Type	ROTARY	
	Model	KTM110D79UFZA3	
	Oil Type	ESTER OIL	
Airflow & Sound	Oil Charge	Fl. Oz.	16.91
	Rated Current	RLA	7
	Airflow	CFM	1472.3
Dimensions	Sound Pressure	dB(A)	57
	Height	inch	26.50(673)
	Width	inch	35.04(890)
	Depth	inch	13.46(342)
	Net Weight	lbs.	99.65(45.2)
	Shipping Height	inch	29.13(740)
	Shipping Width	inch	39.17(995)
	Shipping Depth	inch	15.67(398)
Shipping Net Weight			
lbs.			
107.80(48.9)			

* Condensing unit above or below indoor unit

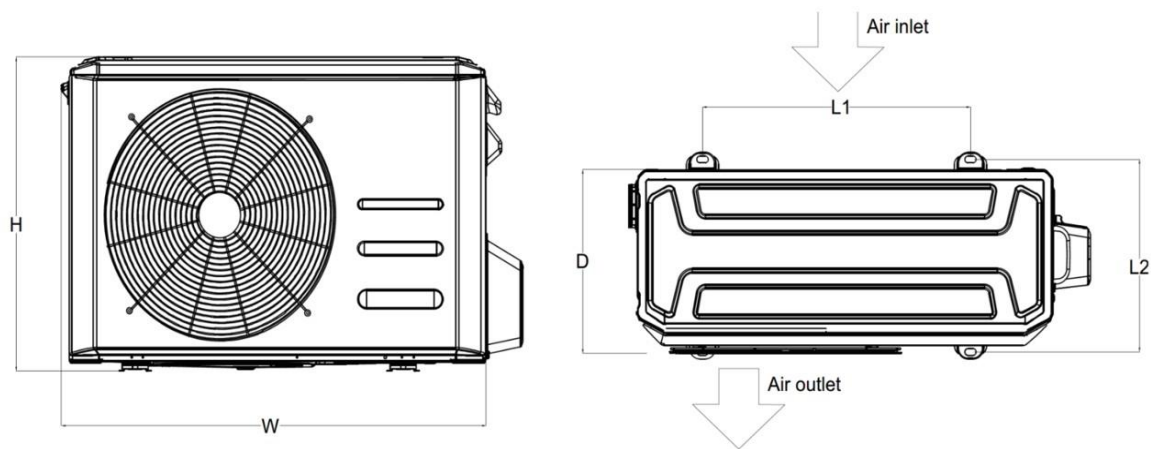
37MPRAQ12AA3 / 45MPHAQ12XA3 System Accessories			
Standard	Wireless Remote Controller (*F/°C Convertible)		
	Wi-Fi™ Kit High Wall	KSAIF0701AAA	
Optional	24V Mini Interface	KSAIC0601230	
	Wired Remote Control 7 Day Programmable	KSACN1401AAA	
	Wired Remote Control with Timer Function	KSACN1201AAA	

Indoor - Heat Pump			
System	Indoor Model #	45MPHAQ12XA3	
	Indoor Size	12000	
Electrical	Voltage, Phase, Cycle	V/Ph/Hz	208-230V/1/60
	Power Supply	Indoor unit powered by outdoor unit	
	MCA	A.	3
Operating Range	Cooling Indoor DB Min - Max	*F(°C)	60~90(16~32)
	Heating Indoor DB Min - Max	*F(°C)	32~86(0~30)
Indoor Coil	Face Area	Sq. Ft.	2.75
	No. Rows		2
	Fins per inch		20
	Circuits		4
Indoor Unit	Number of Fan Speeds		1350/1050/700
	Airflow (highest to lowest)	CFM	559.2 / 423.8 / 211.9 / 153.0 / N/A
	Sound Pressure (highest to lowest)	dB(A)	N/A/41.5/33/23/19
	Moisture Removal	L/h	0.5
	Air Throw Data	ft(m)	26.57(8.1)
Dimensions	Height	in (mm)	12.56(319)
	Width	in (mm)	37.99(965)
	Depth	in (mm)	9.41(239)
	Net Weight	lbs (kg)	28.22(12.8)
	Shipping Height	inch	12.80(325)
	Shipping Width	inch	41.14(1045)
	Shipping Depth	inch	15.75(400)
	Shipping Net Weight	lbs.	36.82(16.7)

37MPRAQ12AA3 / 45MPHAQ12XA3 System Performance			
Cooling Rated Capacity (DOE A2 - 95°F)		12000	
Cooling Capacity Range		3100~16500	
SEER2	Btu/h	29.5	
EER2 (DOE A2 - 95°F)	Btu/h	14.3	
Heating Rated Capacity (DOE H12 - 47°F)		12000	
Heating Capacity Range		4100~17200	
COP (DOE H12 - 47°F)	Btu/h	3.6	
HSPF2 IV	Btu/h	14.5	
HSPF2 V	Btu/h	10	
Cooling Rated Capacity (DOE B2 - 82°F)		13200	
EER2 (DOE B2 - 82°F)	Btu/h	20.8	
Heating Rated Capacity (DOE H32 - 17°F)		11000	
COP (DOE H32 - 17°F)	W/W	2.4	
Heating Maximum Capacity (17°F)		14500	
Heating Rated Capacity (ODE H42 - 5°F)		13500	
COP (DOE H42 - 5°F)		2	
Heating Maximum Capacity (5°F)		13500	

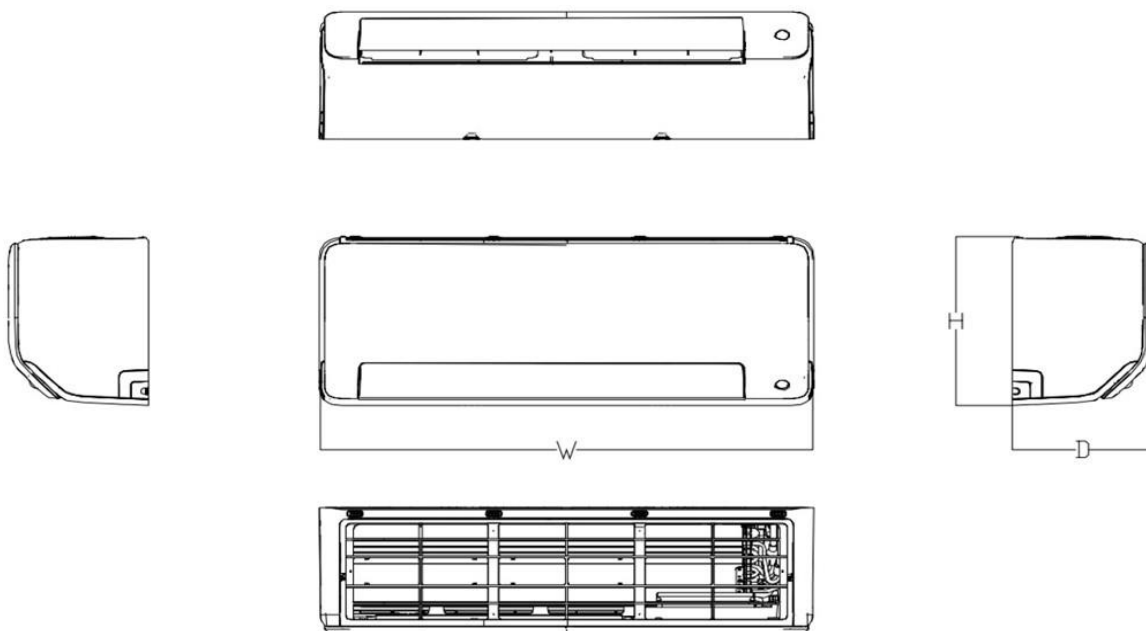


Puron Advance™



OUTDOOR UNIT DIMENSIONS

Capacity	Unit	W	D	H	L1	L2
6K/9K/12K	mm	890	342	673	663	379.59
	inch	35.04	13.46	26.5	26.1	14.94
18K	mm	946	410	810	672	454.8
	inch	37.24	16.14	31.89	26.49	17.91



INDOOR UNIT DIMENSIONS

Capacity	Unit	W	D	H
6K/9K/12K	mm	965	239	319
	inch	37.99	9.41	12.56
18K	mm	1140	275	370
	inch	44.88	10.83	14.57