



Submittal-Airy 12K 8-Way Cassette

Job name:		Submitted by:	
Location:		Submitted to:	
Engineer:		Unit tag:	
Date:		Drawing number:	

Warranty information

Standard 7 years parts & compressor
Registered 12 years parts & compressor
Terms and conditions apply

Type

Energy Star Heat Pump ☐

Cold Climate Energy Star Heat Pump ☒

Model numbers

Indoor: KM12XK8DI

Outdoor: KW12XQ29S1DO

Capacity range

Output (BTU/H)	Minimum	Rated	Max	Certification		
Cooling:	2700	12000	16000	AHRI NO.	Energy Star	nep
Heating:	3070	12000	14000	218451531	4,617,817	

Heating performance

Output (BTU/H)	Minimum	Rated	Max	Efficiency Ratings	
47F (8.3C)	3070	12000	14000	SEER2	23
17F (-8.3C)	2700	10300	12000	HSPF2	8.5
5F (-15C)	2600	10000	10000	EER (W/W)	3.8
				COP (W/W)	4.5

Outdoor temperature range

Cooling:	-29-50C	-20-122F	Power supply	208-230V/60Hz/1Ph
Heating:	-30-30C	-22-86F	Min/Max voltage	187-253Vac

Condenser specifications

Connecting type	Screw Connection	MCA	10A
Liquid line size	1/4in (6mm)	MOP	15A
Gas line size	1/2in (12mm)	Power Supply Wire	14/3 AWG
pre-charge length	24.6ft (7.5M)	Interconnecting Wire	14/4 AWG

MIN. Refrigerant Pipe Length	10 ft (3M)	Features:	
MAX. Refrigerant Pipe Length	100 ft (30M)	Electronic expansion valve	
MAX. Vertical Height difference (total)	60 ft (20M)	Rotary compressor	
Refrigerant Type	R-32	Basepan heater	
Factory Charge	35oz	Compressor electric heater	
Additional Charge	0.2 oz/ft	Weight	
Sound Pressure Level	55dB (A)	Gross weight:	84.9Lbs (38.5Kg)
		Net weight:	78.3Lbs (35.5Kg)



R32

20 Inverter

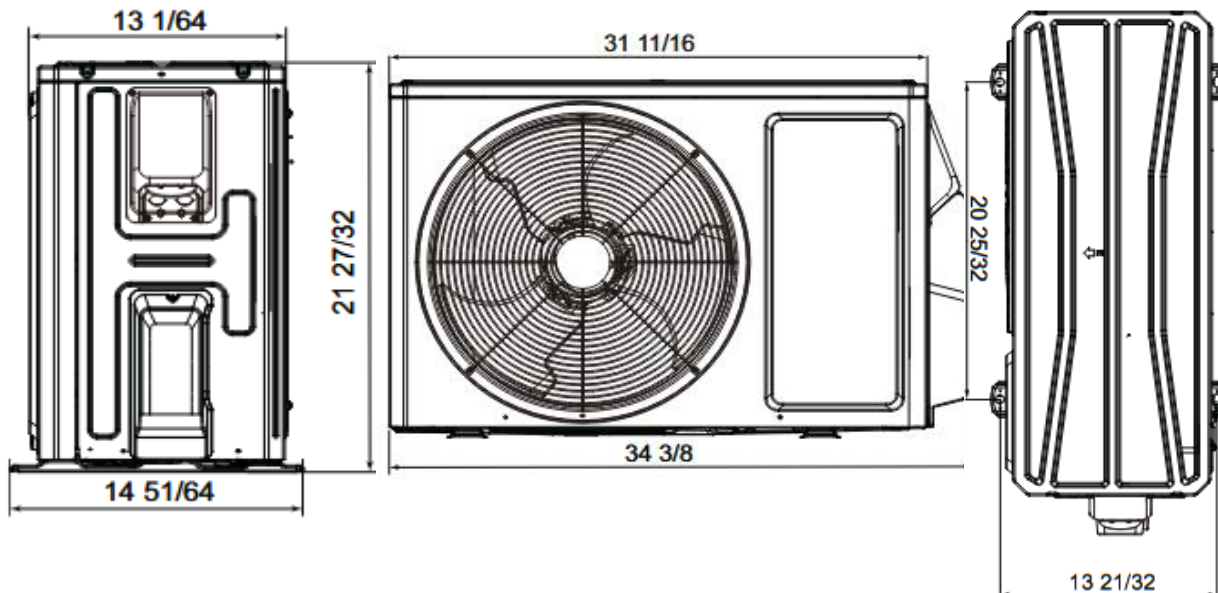


AHRI

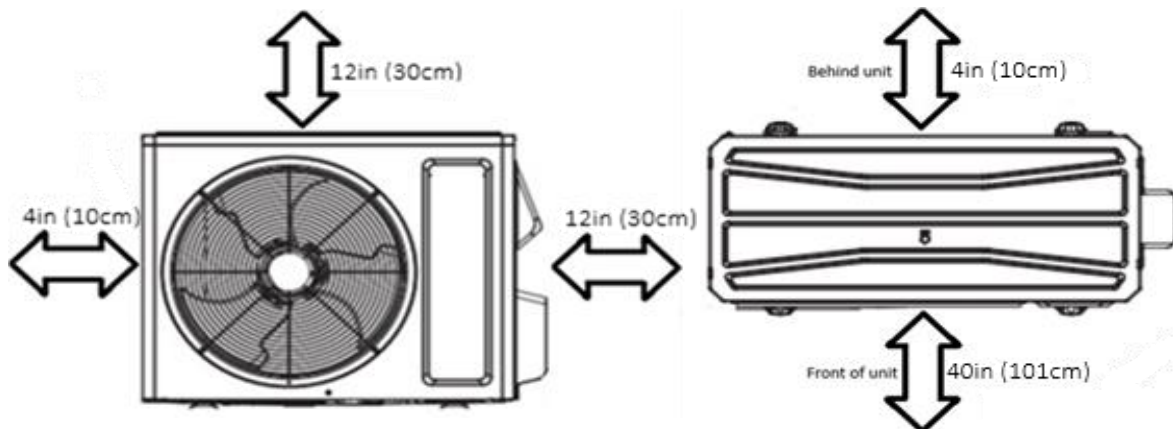


Outdoor unit Dimensions

KW12XQ29S1DO



Minimum outdoor unit clearances



Unit must be placed a minimum 18in (45cm) above any surfaces to allow for snow clearance and defrost runoff.

Please follow local best practices and guidelines.

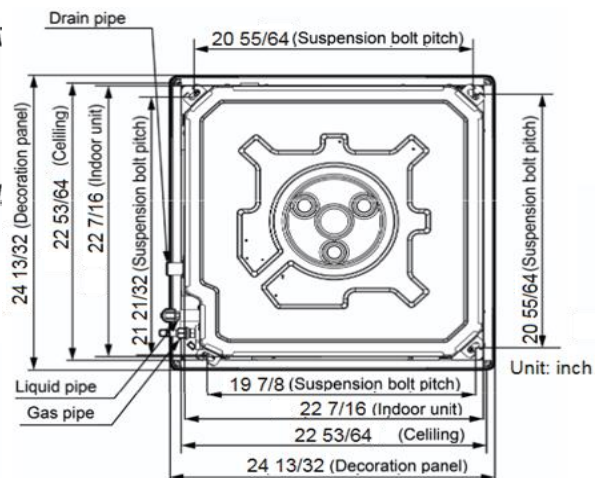
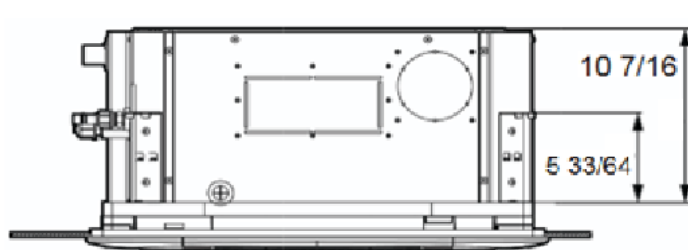


Indoor unit specifications

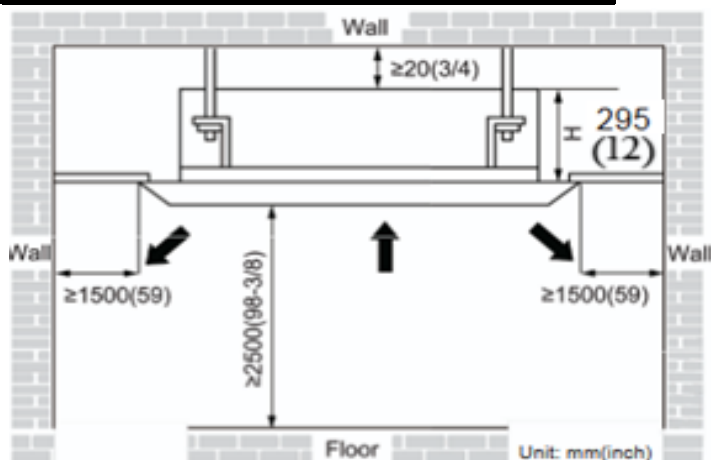
8-Way Cassette			KM12XK8DI
Air flow volume			dB (A)
Turbo	330 CFM	560 m3/h	40
High	318 CFM	540 m3/h	39
Med-high	288 CFM	490 m3/h	36
Medium	265 CFM	450 m3/h	34
Med-low	247 CFM	420 m3/h	33
Low	224 CFM	380 m3/h	31
Sleep	206 CFM	350 m3/h	29

Net weight:	37.5 Lbs	Gross weight:	48.5 Lbs
	17 Kg		22 Kg
Included:	Infrared remote YBE1FB5F		
Dehumidification level:	2.96 pt/hr		
Optional Accessories			
24V interlock wired controller:	XE71-00/E		
Wired controller:	XE71-44G		
Embedded wired controller:	XE74-44E		
Embedded WIFI wired controller	XE72-44E		

Indoor unit Dimensions



Minimum indoor unit clearances



Power supplied by outdoor unit

Additional Information

Connection method	Screwed
Liquid pipe	1/4in (6mm)
Gas pipe	3.8in (9.52mm)
Drain pipe (Outer Diameter)	3/4in (19mm)
Panel Net Weight	6.6Lbs (3Kg)
Panel Gross Weight	9.9Lbs (4.5Kg)

Included Features

Self Clean	8C heating	I-feel	Water Pump	Soft start	Forced Defrost
------------	------------	--------	------------	------------	----------------