



Submittal-Airy 12K 1-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: KM12XK1DI

Outdoor: KW12XQ29S1DO

Capacity range

Output (BTU/H)	Minimum	Rated	Max	Certification		
Cooling:	2700	12000	15500	AHRI NO.	Energy Star	ne ep
Heating:	3070	12000	14600	218451532	4,617,816	

Heating performance

Output (BTU/H)	Minimum	Rated	Max	Efficiency Ratings	
47F (8.3C)	3070	12000	14280	SEER2	20
17F (-8.3C)	2700	10300	12000	HSPF2	8.5
5F (-15C)	2600	10000	10000	EER (W/W)	3.6
				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

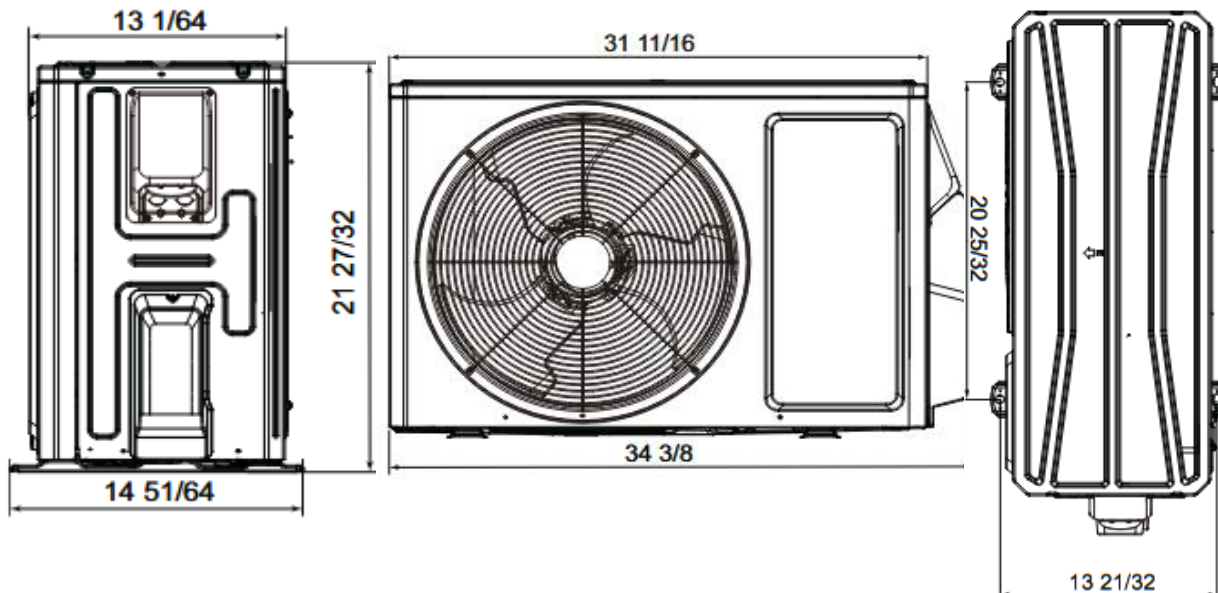


AHRI

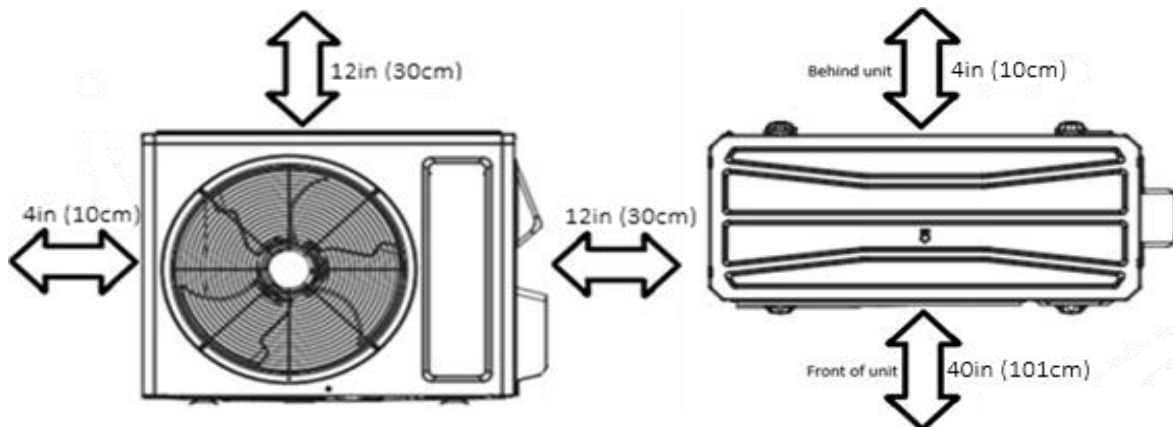


Outdoor unit Dimensions

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.

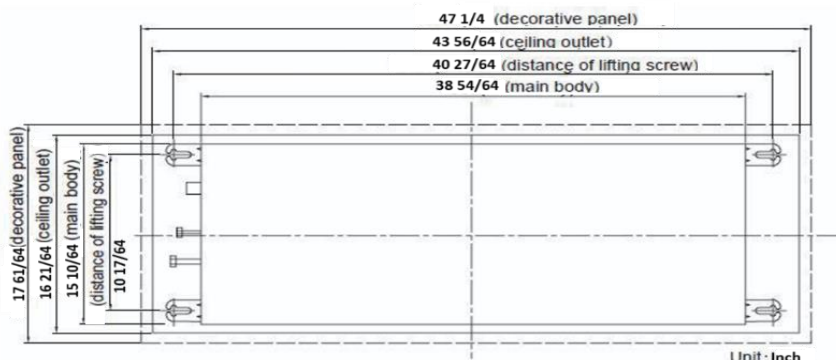


Indoor unit specifications

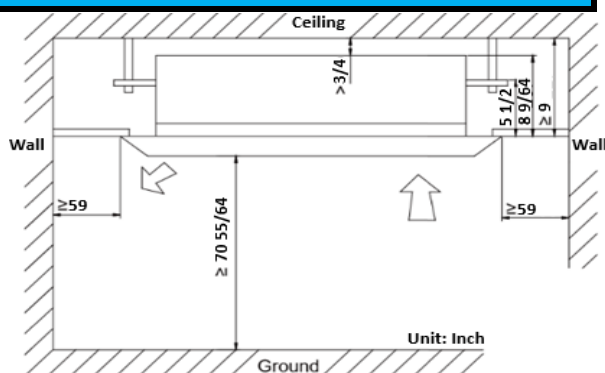
1-Way Cassette		KM12XK1DI	
Air flow volume			dB (A)
Turbo	353 CFM	600m3/h	41
High	294 CFM	500 m3/h	37
Med-high	n/a	n/a	n/a
Medium	259 CFM	440 m3/h	35
Med-low	n/a	n/a	n/a
Low	230 CFM	390 m3/h	34
Sleep	n/a	n/a	n/a

Net weight:	42.9 Lbs	Gross weight:	58.4 Lbs
	19.5 Kg		26.5 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)	1in (26mm)
Panel Net Weight	9.2 Lbs (4.2Kg)
Panel Gross Weight	13.2 Lbs (6Kg)

Included Features

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