



Submittal-Airy 12K Floor Ceiling

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: KM12XTDI

Outdoor: KW12XQ29S1DO

Capacity range

Output (BTU/H)	Minimum	Rated	Max	Certification		
Cooling:	2700	12000	14000	AHRI NO.	Energy Star	ne ep
Heating:	3000	12000	16000	218451533	4,617,815	

Heating performance

Output (BTU/H)	Minimum	Rated	Max	Efficiency Ratings	
47F (8.3C)	3000	12000	14280	SEER2	23
17F (-8.3C)	3000	10300	13000	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

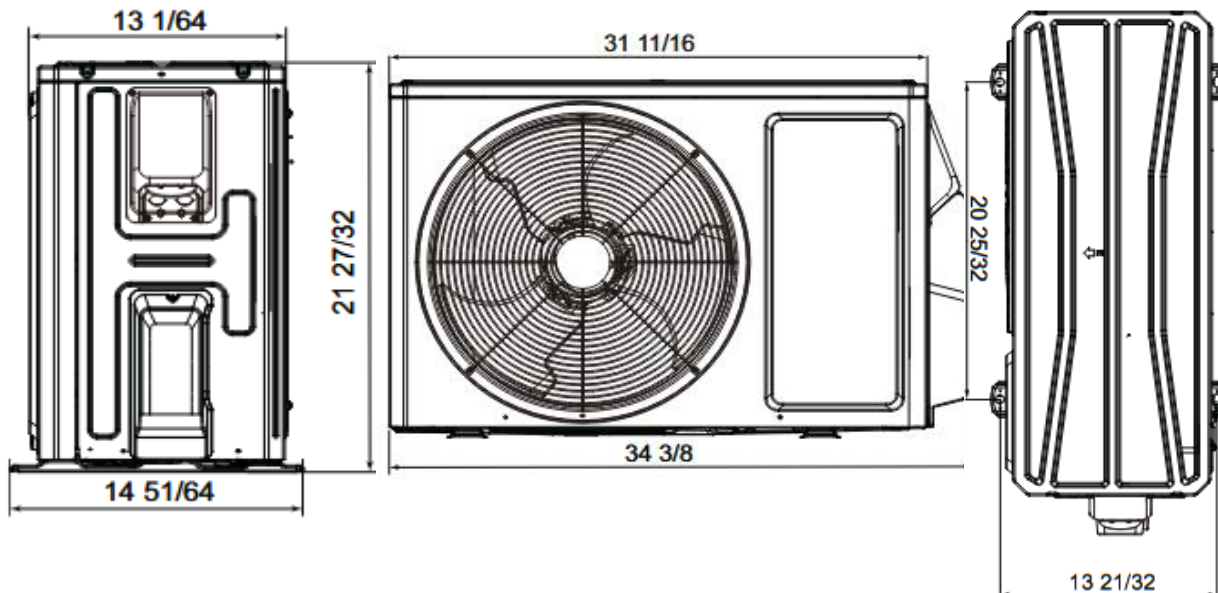


AHRI

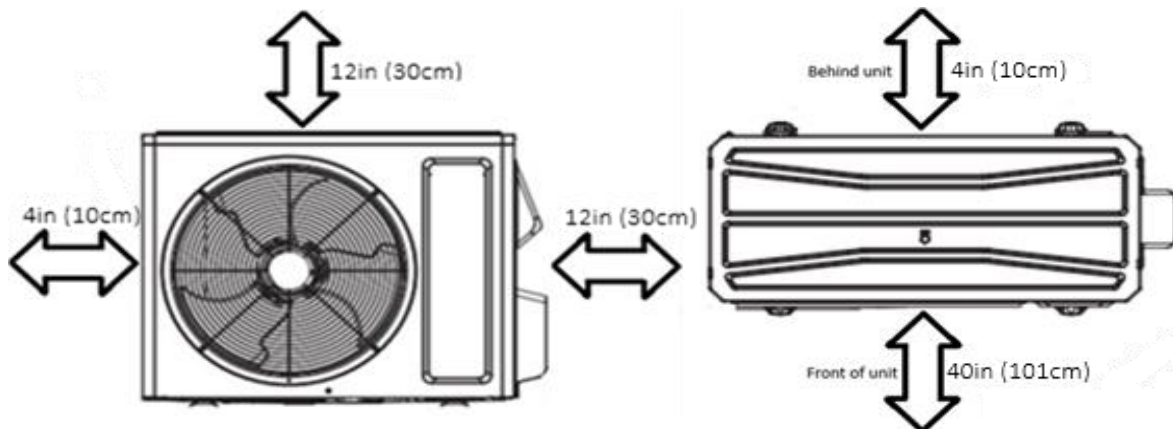


Outdoor unit Dimensions

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.

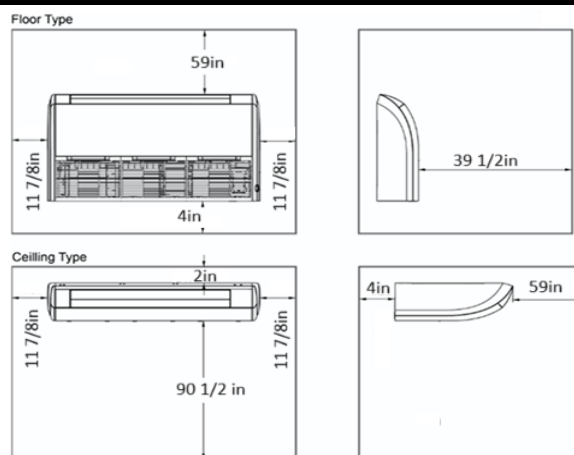
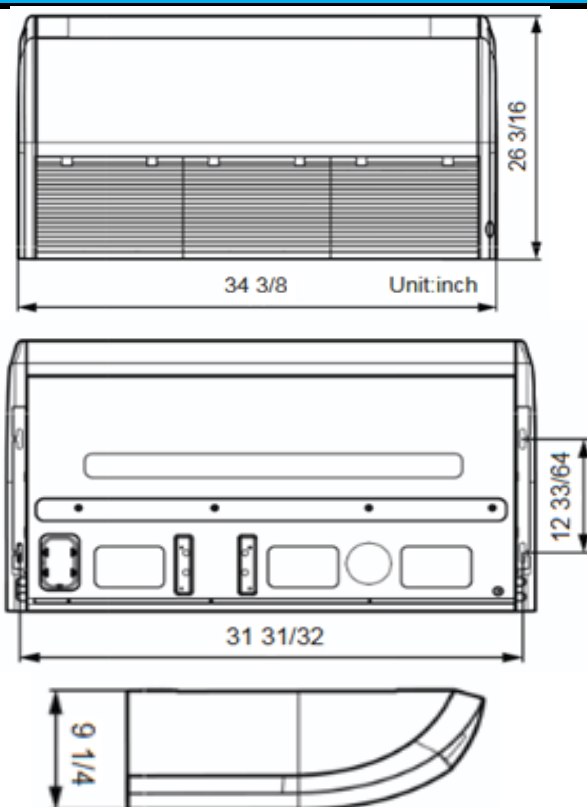


Indoor unit specifications

Floor Ceiling		KM12XTDI	
Air flow volume			dB (A)
Turbo	412 CFM	700 m3/h	39
High	359 CFM	610 m3/h	36
Med-high	N/A	N/A	N/A
Medium	318 CFM	540 m3/h	33
Med-low	N/A	N/A	N/A
Low	247 CFM	420 m3/h	29
Sleep	N/A	N/A	N/A

Net weight:	55.1 Lbs	Gross weight:	66.1 Lbs
	25 Kg		30 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 (17mm)

Included Features

Dehumidify	8C heating	I-feel	Self clean	Soft start	Forced Defrost
------------	------------	--------	------------	------------	----------------