



Submittal-Airy 18K 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: KM18XK8DI

Outdoor: KW18XQ29S1DO

Capacity range

Output (BTU/H)	Minimum	Rated	Max	Certification		
Cooling:	4000	18000	20470	AHRI NO.	Energy Star	nep
Heating:	5000	18000	20470	218451540	4,617,809	

Heating performance

Output (BTU/H)	Minimum	Rated	Max	Efficiency Ratings	
47F (8.3C)	5000	18000	20470	SEER2	22
17F (-8.3C)	9200	15500	18915	HSPF2	8.8
5F (-15C)	7400	15000	15000	EER (W/W)	3.3
				COP (W/W)	4

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	20A
Liquid line size	1/4in (6mm)	MOP	25A
Gas line size	5/8in (16mm)	Power Supply Wire	12/3 AWG
pre-charge length	24.6ft (7.5M)	Interconnecting Wire	14/4 AWG

Features:	
MIN. Refrigerant Pipe Length	10 ft (3M)
MAX. Refrigerant Pipe Length	131ft (40M)
MAX. Vertical Height difference (total)	82 ft (25M)
Refrigerant Type	R-32
Factory Charge	47oz
Additional Charge	0.4 oz/ft
Sound Pressure Level	59dB (A)
Weight	
Gross weight:	104.7Lbs (47.5Kg)
Net weight:	94.8Lbs (43Kg)



R32

20 Inverter



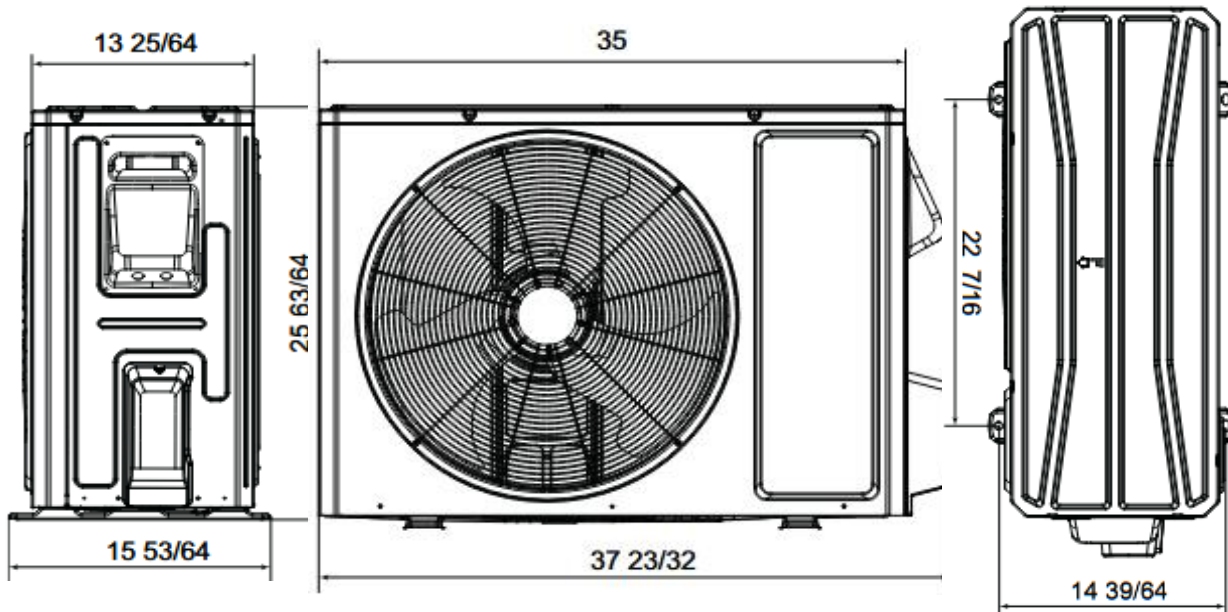
AHRI



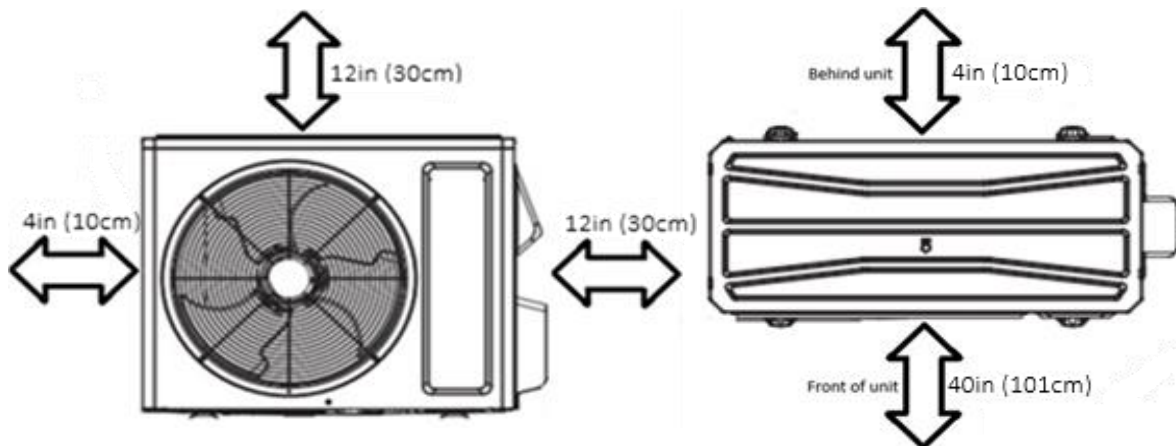
Outdoor unit Dimensions

Unit: inch

KW18XQ29S1DO



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.

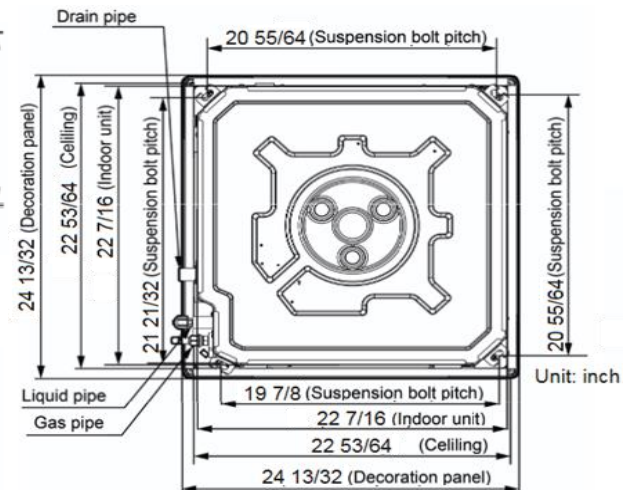
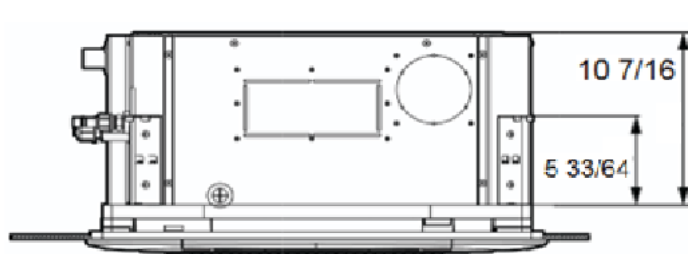


Indoor unit specifications

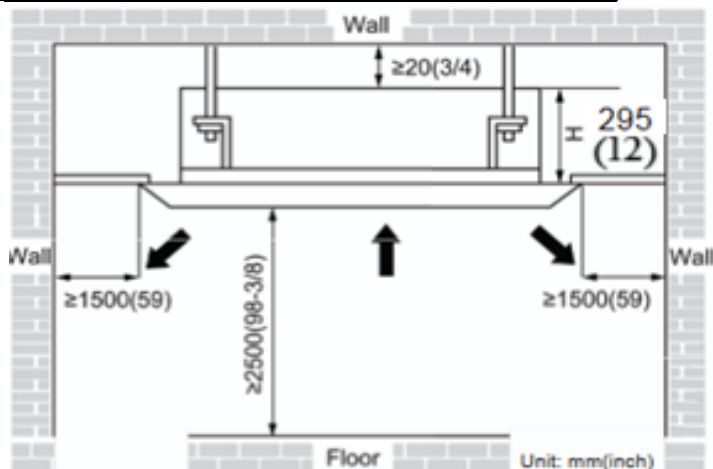
8-Way Cassette			KM18XK8DI
Air flow volume			dB (A)
Turbo	383 CFM	650 m3/h	44
High	318 CFM	540 m3/h	40
Med-high	288 CFM	490 m3/h	37
Medium	265 CFM	450 m3/h	35
Med-low	247 CFM	420 m3/h	34
Low	224 CFM	380 m3/h	32
Sleep	206 CFM	350 m3/h	30

Net weight:	37.5 Lbs	Gross weight:	48.5 Lbs
	17 Kg		22 Kg
Included:	Infrared remote YBE1FB5F		
Dehumidification level:		3.08 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	1/2in (12mm)
Drain pipe (Outer Diameter)	3/4in (19mm)
Panel Net Weight	6.6Lbs (3Kg)
Panel Gross Weight	9.9Lbs (4.5Kg)

Included Features

Water pump	8C heating	I-feel	Self clean	Forced defrost	Low voltage startup
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