



Submittal-Airy 9K 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: KM09XK1DI

Outdoor: KW09XQ29S1DO

Capacity range

Output (BTU/H)	Minimum	Rated	Max	Certification		
Cooling:	2500	9100	11500	AHRI NO.	Energy Star	nep
Heating:	2800	10500	14000	217903563	4,514,307	

Heating performance

Output (BTU/H)	Minimum	Rated	Max	Efficiency Ratings	
47F (8.3C)	2800	10500	14000	SEER2	22.5
17F (-8.3C)	4200	8900	10100	HSPF2	9.5
5F (-15C)	2700	9000	9000	EER (W/W)	4
				COP (W/W)	4.4

Outdoor temperature range

Cooling:	-29-50C	-20-122F	Electrical	
Heating:	-30-30C	-22-86F	Power supply	208-230V/60Hz/1Ph
			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	

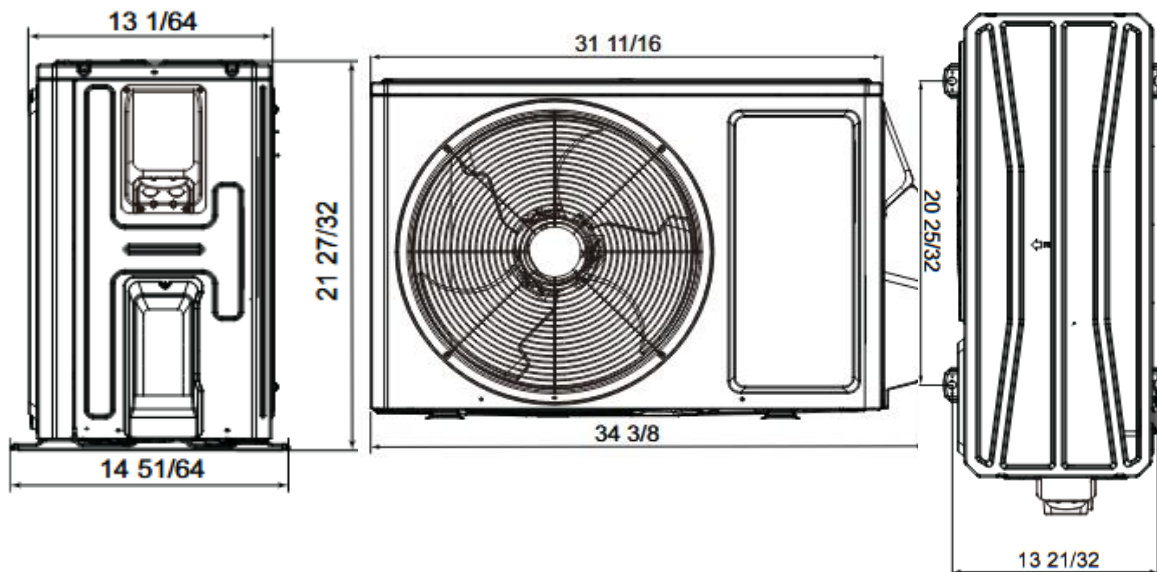
Additional Charge	0.2 oz/ft	Weight	
Sound Pressure Level	55dB (A)	Gross weight:	84.9Lbs (38.5Kg)
		Net weight:	78.3Lbs (35.5Kg)



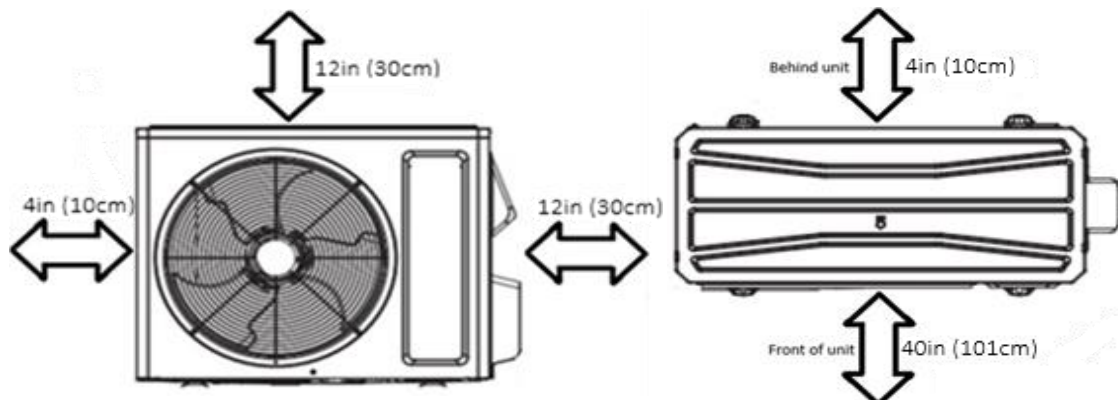


Outdoor unit Dimensions

KW09XQ29S1DO



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.

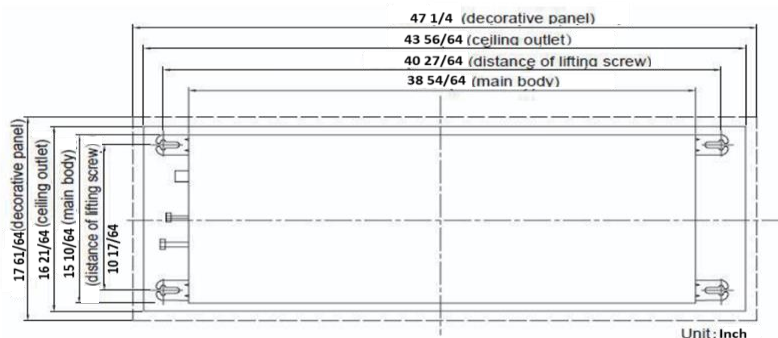


Indoor unit specifications

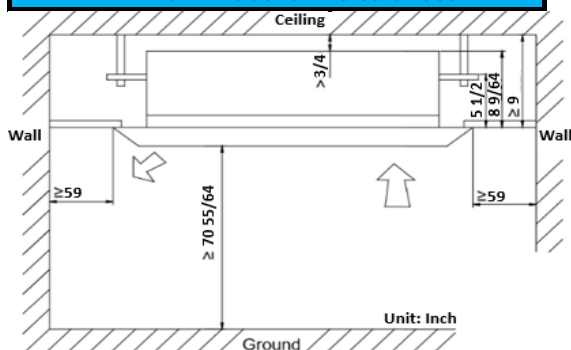
1-Way Cassette KM09XK1DI			
Air flow volume			dB (A)
Turbo	324 CFM	550m ³ /h	37
High	265 CFM	450 m ³ /h	35
Med-high	n/a	n/a	n/a
Medium	230 CFM	390 m ³ /h	32
Med-low	n/a	n/a	n/a
Low	200 CFM	340 m ³ /h	31
Sleep	n/a	n/a	n/a

Net weight:	42.9 Lbs	Gross weight:	58.4 Lbs
	19.5 Kg		26.5 Kg
Included:	Infrared remote YBE1FB5F		
Dehumidification level:	1.69 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

Soft Start	Self Clean	I-feel	8C Heating	Water Pump	Forced Defrost
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