



Submittal-Airy 21K 8-High Static

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: KM21XFDI

Outdoor: KW18XQ29S1DO

Capacity range

Output (BTU/H)	Minimum	Rated	Max	Certification		
Cooling:	4000	21000	25930	AHRI NO.	Energy Star	nep
Heating:	4500	21000	26613	218693833		

Heating performance

Output (BTU/H)	Minimum	Rated	Max	Efficiency Ratings	
47F (8.3C)	4500	21000	26613	SEER2	24
17F (-8.3C)	10000	15500	19200	HSPF2	9.4
5F (-15C)	8000	17000	17000	EER (W/W)	3.8
				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

MIN. Refrigerant Pipe Length	10 ft (3M)	Features:	
MAX. Refrigerant Pipe Length	131ft (40M)	Electronic expansion valve	
MAX. Vertical Height difference (total)	82 ft (25M)	Rotary compressor	
Refrigerant Type	R-32	Basepan heater	
Factory Charge	47oz	Compressor electric heater	

Additional Charge	0.4 oz/ft	Weight	
Sound Pressure Level	59dB (A)	Gross weight:	104.7Lbs (47.5Kg)
		Net weight:	94.8Lbs (43Kg)



R32

20 Inverter



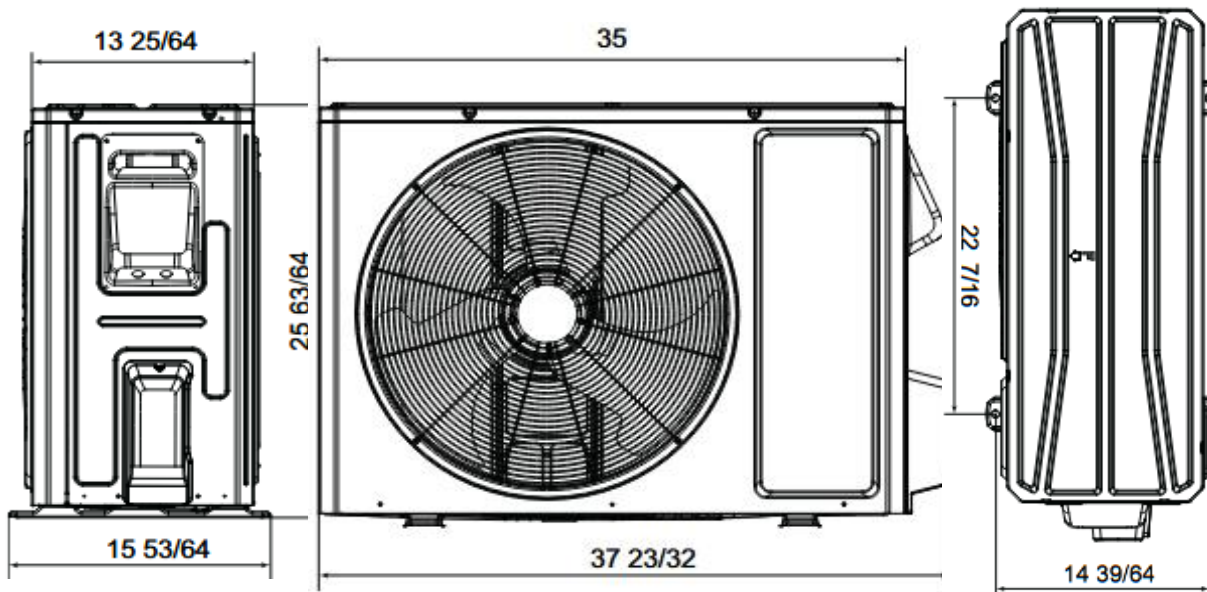
AHRI



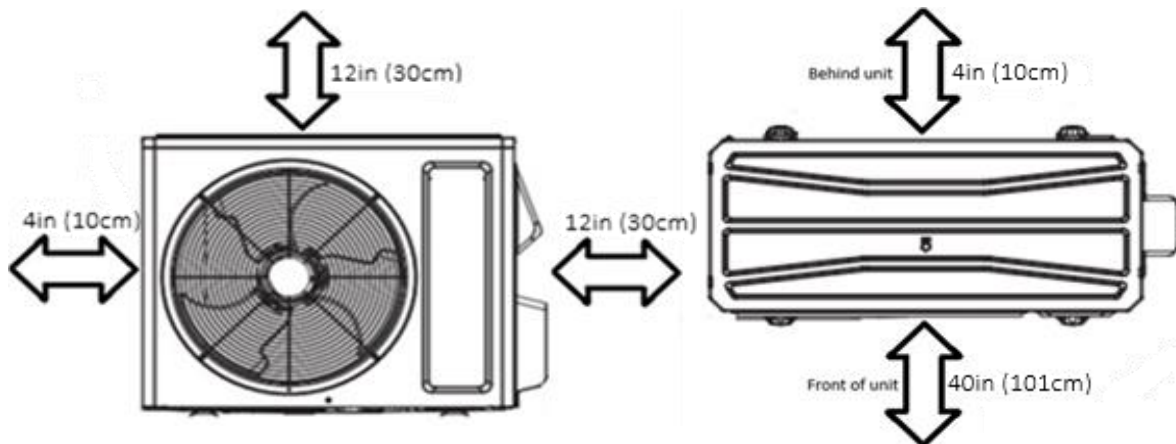
Outdoor unit Dimensions

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.

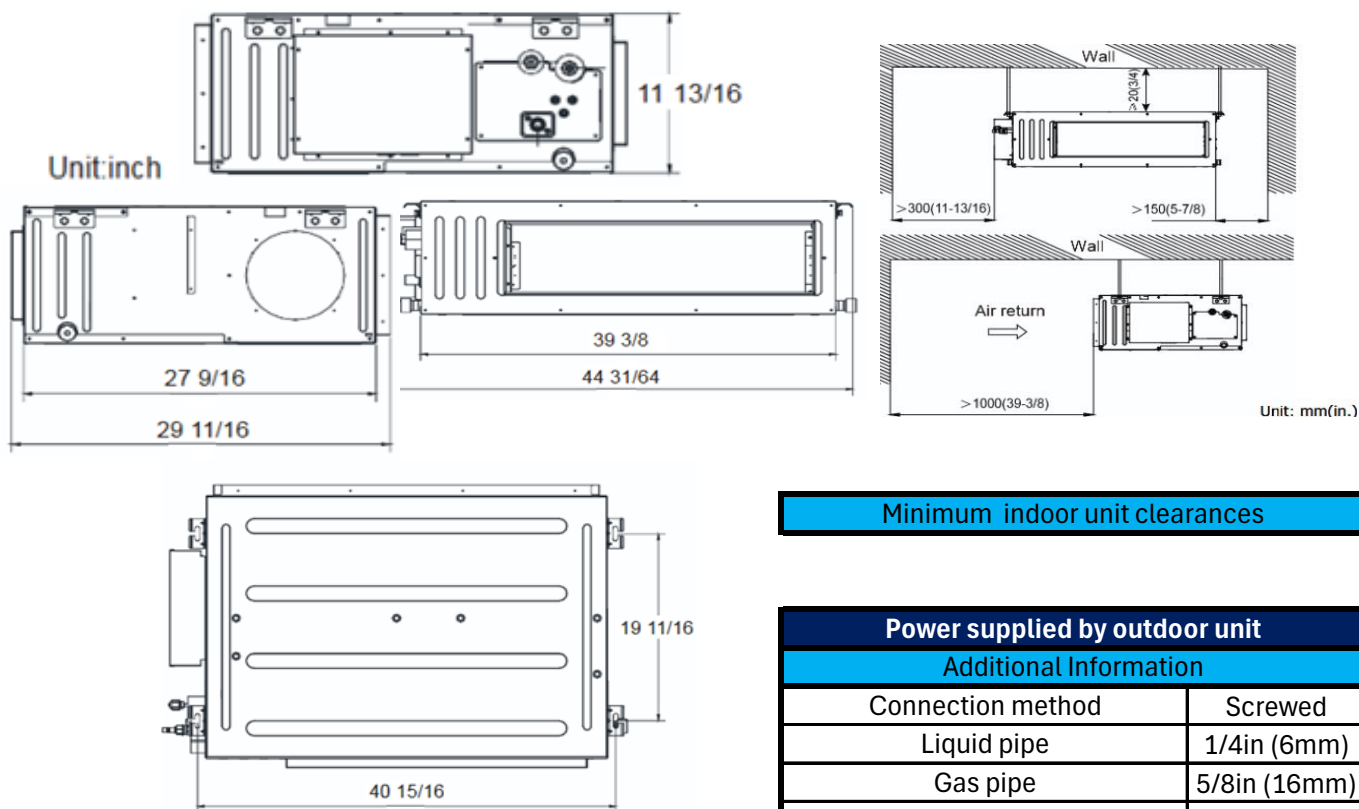


Indoor unit specifications

Ducted High Static			KM21XFDI
Air flow volume			dB (A)
Turbo	589 CFM	1000 m3/h	41
High	412 CFM	700 m3/h	32
Med-high	N/A	N/A	N/A
Medium	312 CFM	530 m3/h	26
Med-low	N/A	N/A	N/A
Low	288 CFM	490 m3/h	25
Sleep	N/A	N/A	N/A

Net weight:	92.6 Lbs	Gross weight:	106.9 Lbs
	42 Kg		48.5 Kg
Included:	Wired Controller XE72-44/E		
Dehumidification level:	4.23 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	5/8in (16mm)
Drain pipe (Outer Diameter)	.98in (25mm)

Included Features

Self Clean	8C heating	Dehumidfy	Drain pump	Soft start	Forced Defrost
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