



Submittal-Charmo 30K 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: KM30XFDI

Outdoor: KW30XQ21CDO

Capacity range

Output (BTU/H)	Minimum	Rated	Max	Certification		
Cooling:	3000	30000	36000	AHRI NO.	Energy Star	nep
Heating:	5800	30000	35500	216799672	4,593,480.	

Heating performance

Output (BTU/H)	Minimum	Rated	Max	Efficiency Ratings	
47F (8.3C)	5000	30000	31000	SEER2	22
17F (-8.3C)	8500	24000	24100	HSPF2	9
5F (-15C)	5200	20400	20400	EER (W/W)	3.2
				COP (W/W)	3.2

Outdoor temperature range

Cooling:	-20-50C	-4-122F	Power supply	208-230V/60Hz/1Ph
Heating:	-25-24C	-13-75F	Min/Max voltage	187-253Vac

Condenser specifications

Connecting type	Screw Connection	MCA	27A
Liquid line size	1/4in (6mm)	MOP	30A
Gas line size	5/8in (16mm)	Power Supply Wire	10/3 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	56.4 oz	Compressor electric heater	
Additional Charge	0.4 oz/ft	Weight	
Sound Pressure Level	62 dB (A)	Gross weight:	127.9 Lbs (58Kg)
		Net weight:	116.8 Lbs (53Kg)



R32

20 Inverter

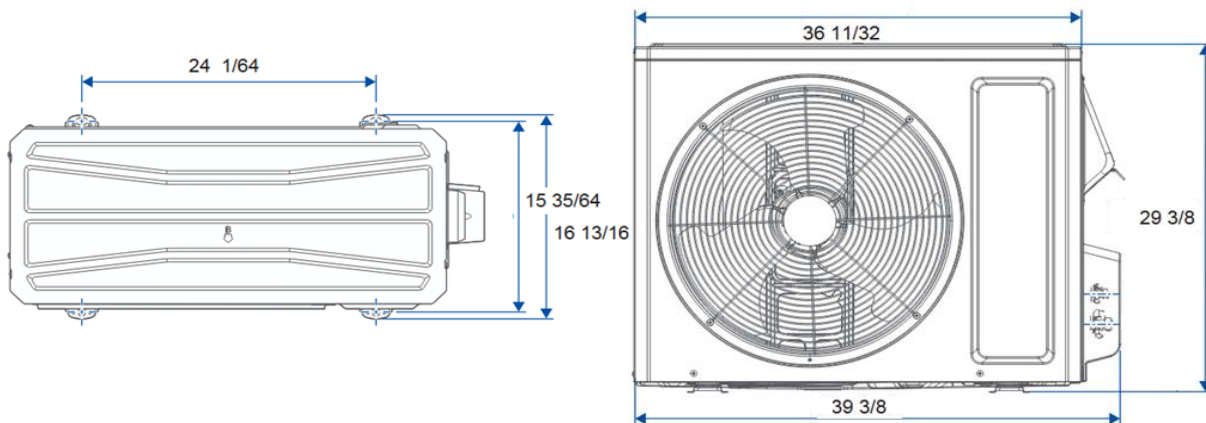


AHRI

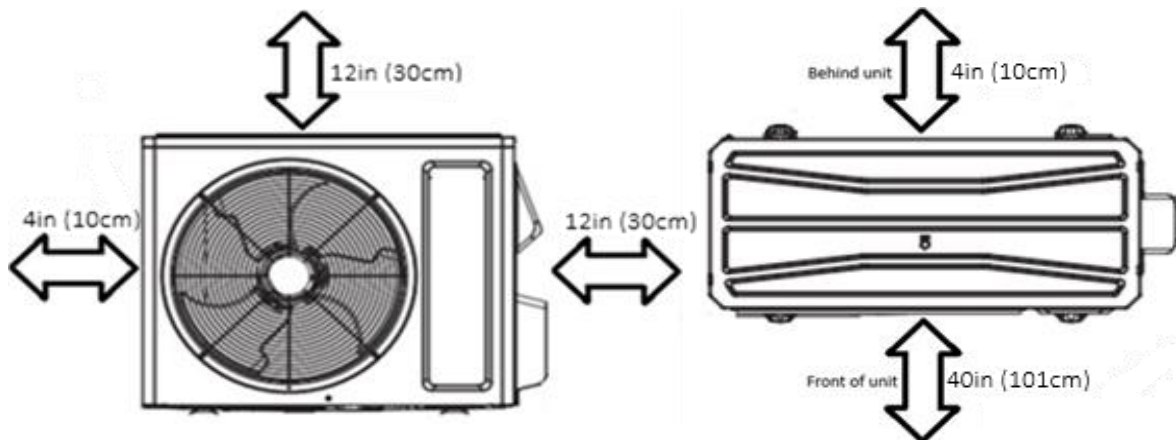


Outdoor unit Dimensions

KW30XQ21CDO



Minimum outdoor unit clearances



Unit must be placed a minimim 18in (45cm) above any surfaces to allow for snow clearance and defrost runoff.

Please follow local best practices and guidelines.

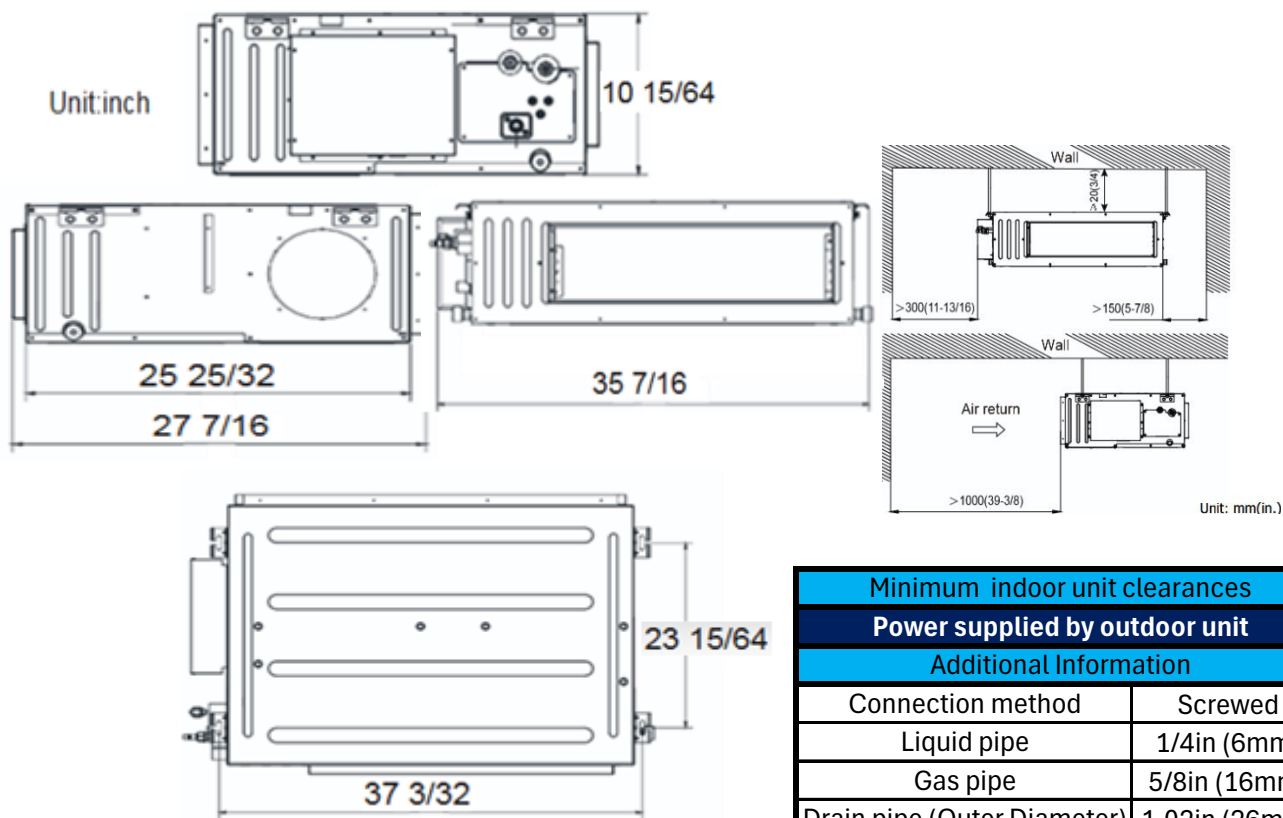


Indoor unit specifications

Ducted High Static		KM30XFDI	
Air flow volume			dB (A)
Turbo	883 CFM	1500 m3/h	45
High	736 CFM	1250 m3/h	40
Med-high	N/A	N/A	N/A
Medium	677 CFM	1150 m3/h	38
Med-low	N/A	N/A	N/A
Low	647 CFM	1100 m3/h	36
Sleep	N/A	N/A	N/A

Net weight:	66.2 Lbs	Gross weight:	77.2 Lbs
	30 Kg		35 Kg
Included:	Wired Controller XE72-44/E		
Dehumidification level:	7.40 pt/hr		
Optional Accessories			
24V interlock wired controller:	XE71-00/E		
Wired controller:	XE71-44G		
Embedded wired controller:	XE74-44E		
Embedded WIFI wired controll	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)	1.02in (26mm)

Included Features

Drain pump	8C heating	Dehumidify	Self clean	Forced defrost	Soft start	Low voltage startup
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