



Submittal-Charmo 36K 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:	KM36XFDI
Outdoor:	KW36XQ21CDO

Capacity range

Output (BTU/H)	Minimum	Rated	Max	Certification		
Cooling:	7850	33600	37500	AHRI NO.	Energy Star	nep
Heating:	10000	34000	37500	216799650	4,576,790.	

Heating performance

Output (BTU/H)	Minimum	Rated	Max	Efficiency Ratings	
47F (8.3C)	13600	34000	39200	SEER2	20
17F (-8.3C)	8800	27200	27600	HSPF2	8.5
5F (-15C)	8400	23800	23800	EER (W/W)	3.5
				COP (W/W)	3.8

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	23A
Liquid line size	1/4in (6mm)	MOP	35A
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

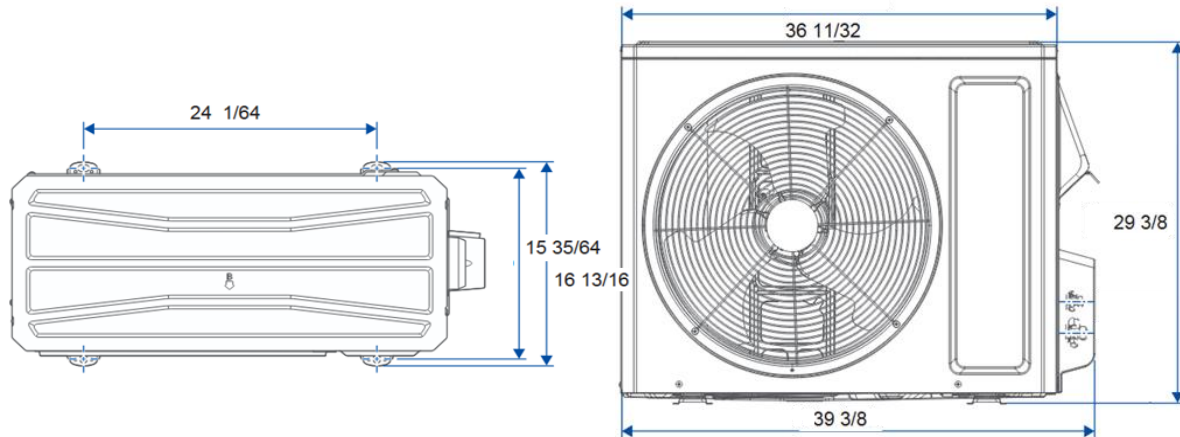


AHRI

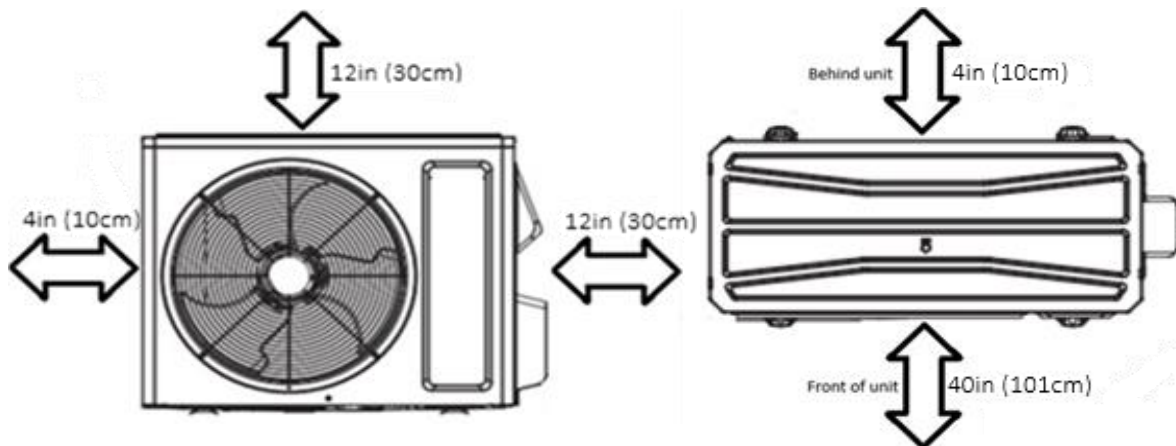


Outdoor unit Dimensions

KW36XQ21CDO



Minimum outdoor unit clearances



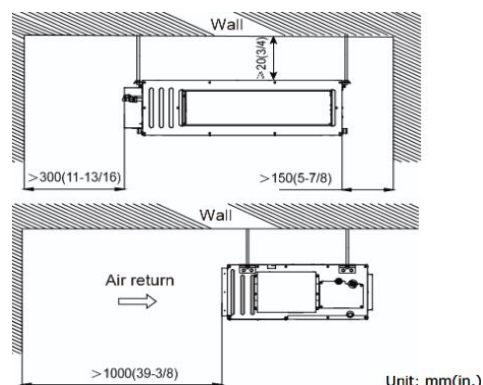
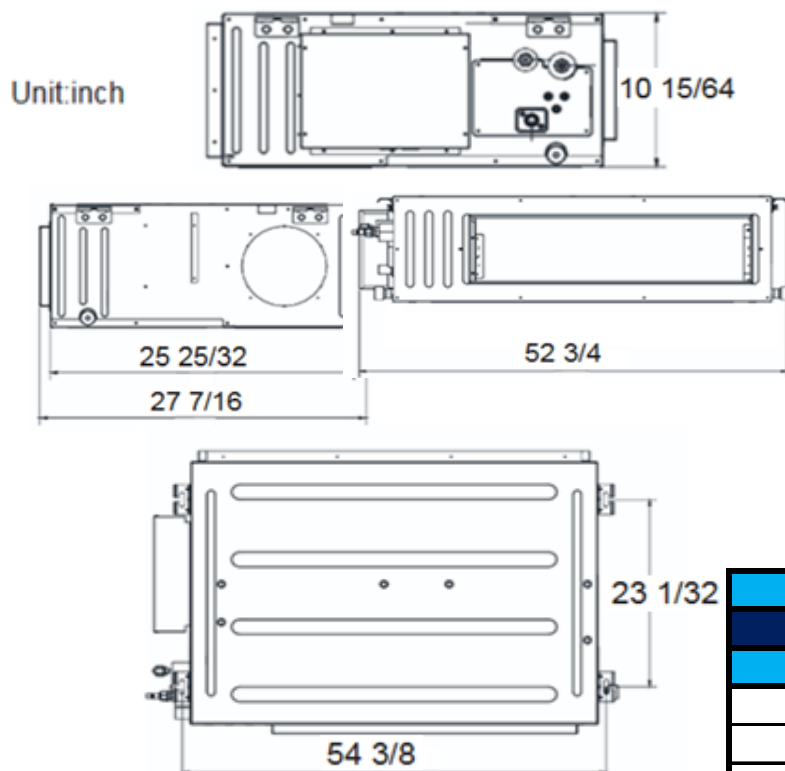
Unit must be placed a minimim 18in (45cm) above any surfaces to allow for snow clearance and defrost runoff.

Please follow local best practices and guidelines.



Indoor unit specifications

Ducted High Static				KM36XFDI	Net weight:	94.8 Lbs	Gross weight:	108 Lbs
Air flow volume				dB (A)		43 Kg		49 Kg
Turbo	1324 CFM	2250 m3/h	43	Included:	Wired Controller XE72-44/E			
High	942 CFM	16000 m3/h	41	Dehumidification level:			7.82 pt/hr	
Med-high	N/A	N/A	N/A	Optional Accessories				
Medium	912 CFM	1550 m3/h	39	24V interlock wired controller:			XE71-00/E	
Med-low	N/A	N/A	N/A	Wired controller:			XE71-44/G	
Low	853 CFM	1450 m3/h	38	Embedded wired controller:			XE74-44/E	
Sleep	N/A	N/A	N/A	Embedded WIFI wired controller			XE72-44/E	
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	Soft start	Dehumidify	8C Heating	Forced Defrost

Specifications are subject to change without notice. Manufacturer reserves the right to discontinue or modify specifications or designs without notice or without incurring obligations. All Rights reserved.