



Submittal-Charmo 30K Minisplit

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: KW30XQ21CDI

Outdoor: KW30XQ21CDO

Capacity range

Output (BTU/H)	Minimum	Rated	Max	Certification		
Cooling:	3000	30000	36000	AHRI NO.	Energy Star	nep
Heating:	5800	30000	35500	216772294	4,514,290.	

Heating performance

Output (BTU/H)	Minimum	Rated	Max	Efficiency Ratings	
47F (8.3C)	9100	30000	32000	SEER2	22
17F (-8.3C)	8500	24000	27000	HSPF2	9
5F (-15C)	7500	23000	23000	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

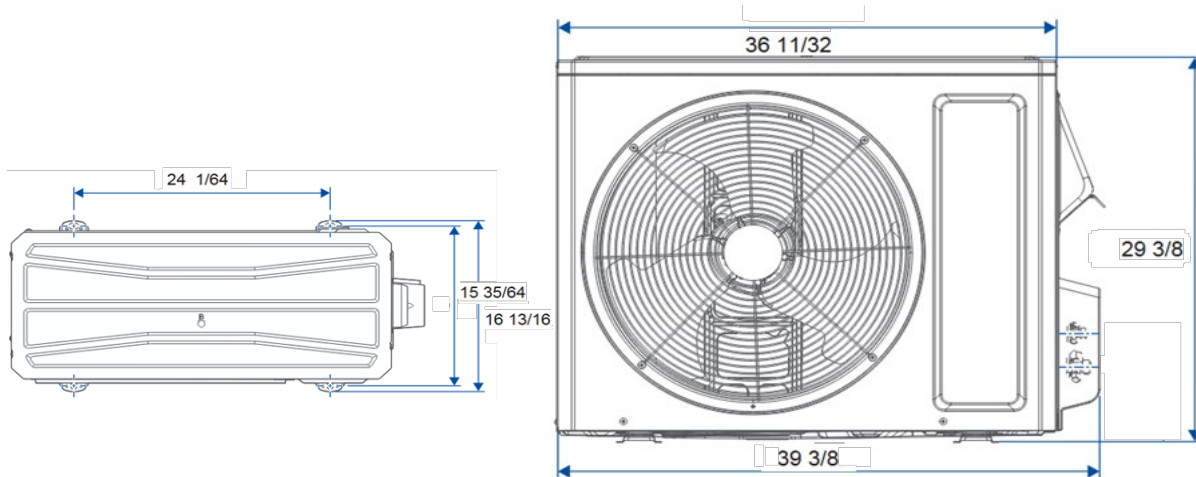


AHRI

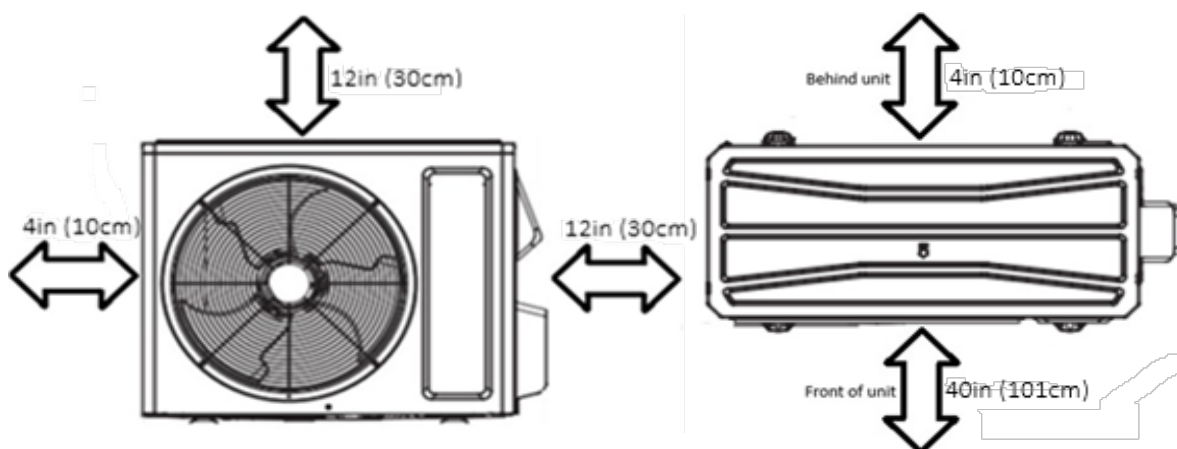


Outdoor unit Dimensions

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.

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Indoor unit specifications

KW30XQ21CDI

Air flow volume			dB (A)
Turbo	794 CFM	1350 m3/h	52
High	647 CFM	1100 m3/h	45
Med-high	618 CFM	1050 m3/h	44
Medium	559 CFM	950 m3/h	41
Med-low	500 CFM	850 m3/h	39
Low	471 CFM	800 m3/h	38
Sleep	441 CFM	750 m3/h	36

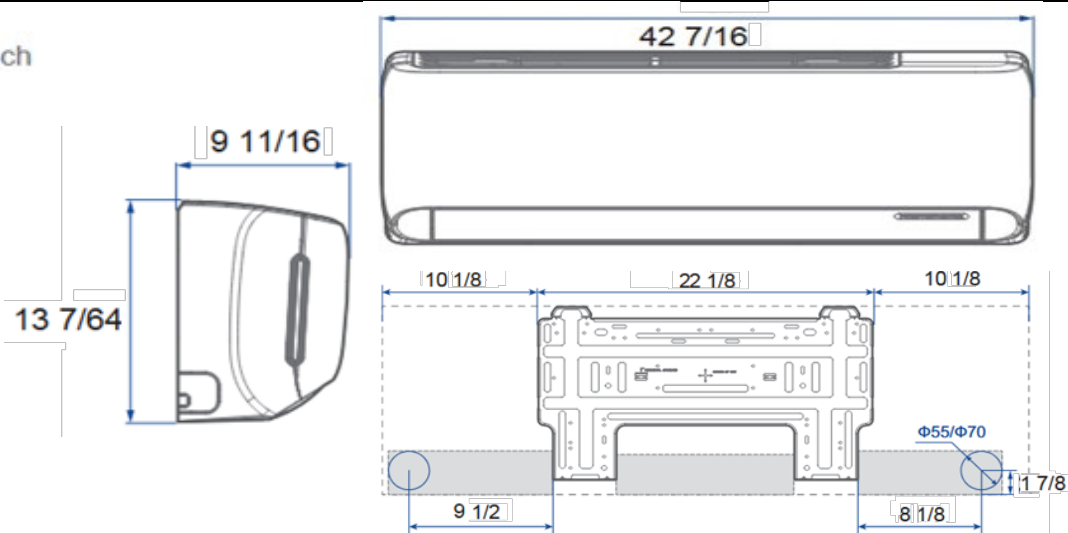
Net weight:	33.1 Lbs	Gross weight:	39.7 Lbs
	15 Kg		18 Kg
Included:	Infrared remote YBE1FBF		
Dehumidification level:		7.4 pt/hr	
Optional Accessories			
24V interlock wired controller:		XE71-00/E	
Wired controller:		XE71-44G	
Embedded wired controller:		XE74-44E	
Embedded WIFI wired controller		XE72-44E	

Included Features

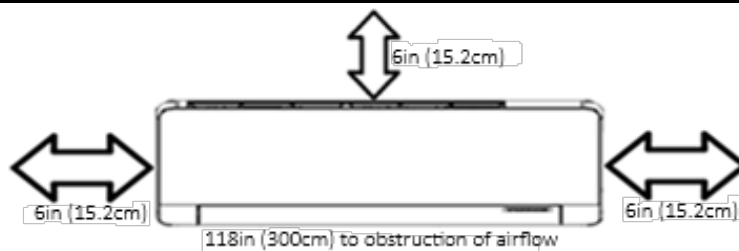
WI-FI control | 8C heating | I-feel | Self clean | Forced defrost | Soft start | Low voltage startup

Indoor unit Dimensions

Unit: inch



Minimum indoor unit clearances



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