



Submittal-Airy 24K Floor Ceiling

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: KM24XFDI

Outdoor: KW24XQ29S1DO

Capacity range

Output (BTU/H)	Minimum	Rated	Max	Certification		
Cooling:	5000	22000	29000	AHRI NO.	Energy Star	nep
Heating:	5200	24000	31500	218451543	4,617,806	

Heating performance

Output (BTU/H)	Minimum	Rated	Max	Efficiency Ratings	
47F (8.3C)	5200	24000	29000	SEER2	22
17F (-8.3C)	6410	20000	21000	HSPF2	9
5F (-15C)	4700	21000	21000	EER (W/W)	3.6
				COP (W/W)	3.9

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	25A
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	56oz	Compressor electric heater	
Additional Charge	0.4 oz/ft	Weight	
Sound Pressure Level	62dB (A)	Gross weight:	126.8Lbs (57.5Kg)
		Net weight:	115.8Lbs (52.5Kg)



R32

20 Inverter



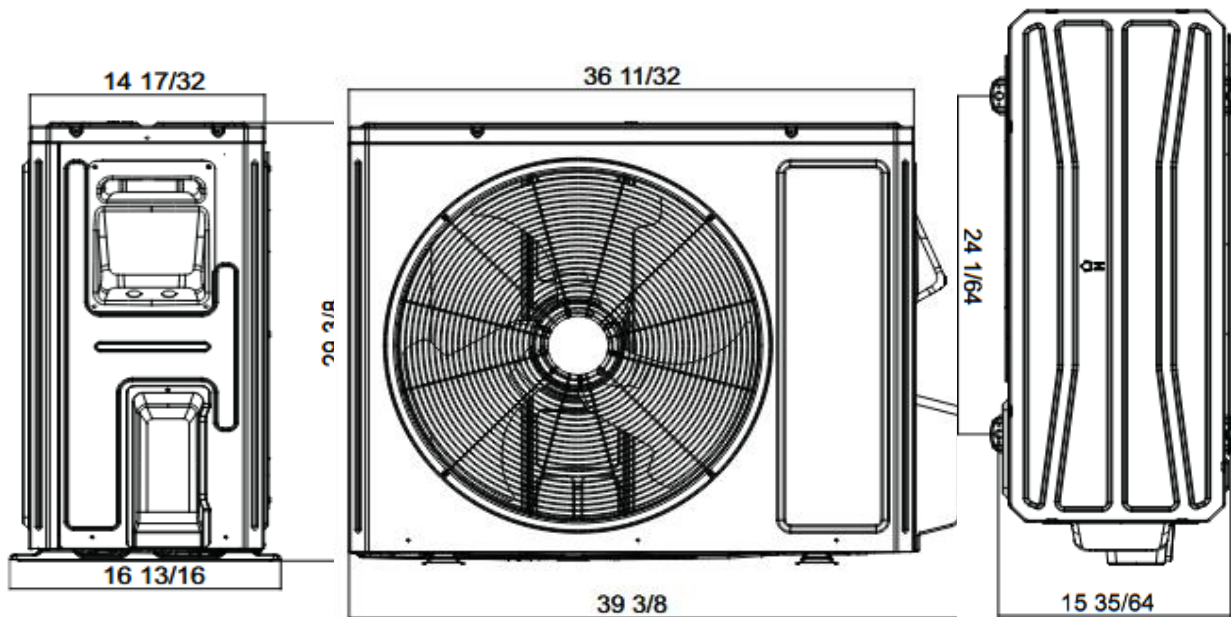
AHRI



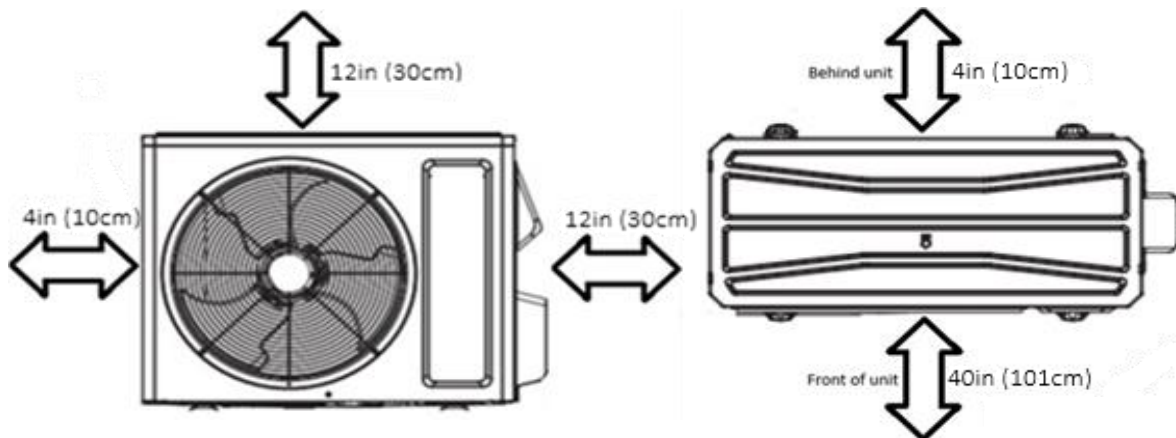
Outdoor unit Dimensions

Unit: inch

KW24XQ29S1DO



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.



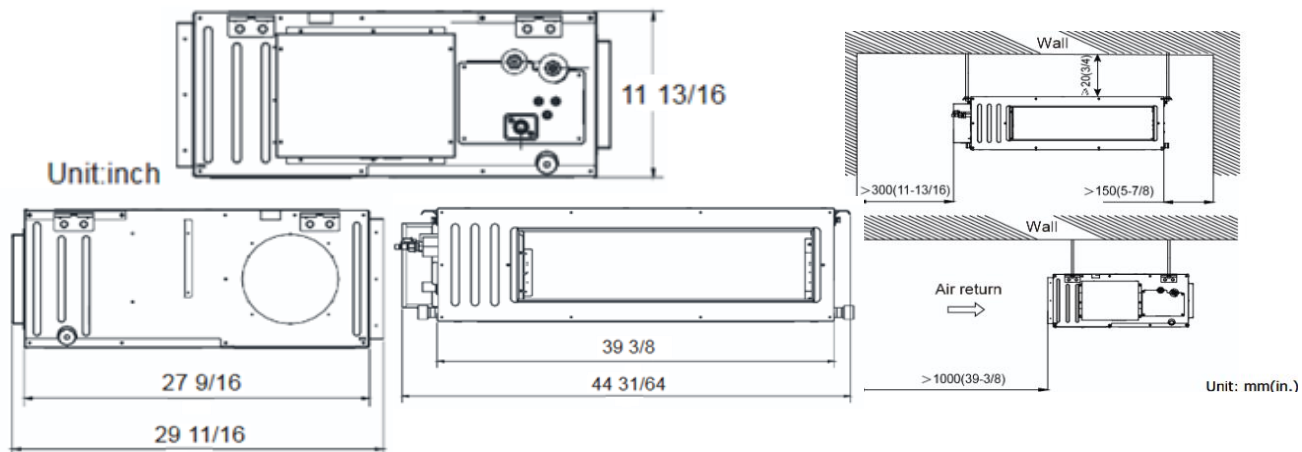
Indoor unit specifications

Ducted High Static			KM24XFDI
Air flow volume			dB (A)
Turbo	736 CFM	1250 m3/h	42
High	559 CFM	950 m3/h	34
Med-high	N/A	N/A	N/A
Medium	453 CFM	770 m3/h	33
Med-low	N/A	N/A	N/A
Low	406 CFM	690 m3/h	30
Sleep	N/A	N/A	N/A

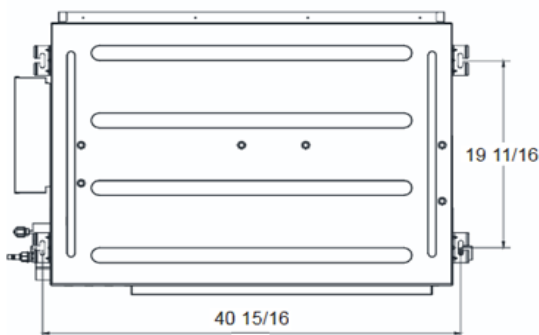
Net weight:	92.6 Lbs	Gross weight:	106.9 Lbs
	42 Kg		48.5 Kg
Included:	Wired Controller XE72-44/E		
Dehumidification level:		5.28 pt/hr	
Optional Accessories			
24V interlock wired controller:		XE71-00/E	
Wired controller:		XE71-44G	
Embedded wired controller:		XE74-44E	
Embedded WIFI wired controller		XE72-44E	

Indoor unit Dimensions			
------------------------	--	--	--

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	Force Defrost
------------	------------	-----------	------------	------------	---------------