

DiamondAir 16.7 SEER2 24K BTU Wall Mount Mini Split

Set Model

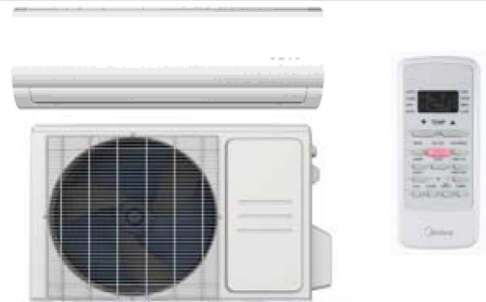
Indoor unit model D1624HMSIF
Outdoor unit model D1624HMSOF

Certified

AHRI



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SYSTEM PERFORMANCE DATA

Power supply

Normal Operational Voltage (V, Ph, Hz) 208/230V, 1Ph, 60Hz
Voltage Range (V) 187-253

Electrical

Minimum circuit ampacity (Outdoor) (A) 19.0
Max. fuse (Outdoor) (A) 30.0
Connection wiring 14#x4

Cooling

Capacity (Btu/h) 24000(6400~24300)
Power Input (W) 2695(335~2940)
Current (A) 12.3(2.1~12.9)
SEER2 (Btu/W) 16.7
EER2 (Btu/W) 8.9

Heating

Capacity (Btu/h) 24000(6700~27500)
Power Input (W) 2490(485~3020)
Current (A) 11.3(3.3~13.2)
HSPF2-4 (Btu/W) 8.0
HSPF2-5 (Btu/W) 6.2
COP W/W 2.82
Heat at 17F(H32) (Btu/h) 16000
Heat at 5F(H42) (Btu/h) 15100
COP at 5F(H42) W/W 1.80

REFRIGERANT PIPE DATA

Throttle type	Indoor unit	N/A
	Outdoor unit	Capillary
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	62.79
	(ft)	25.0
Refrigerant precharge	(m)	7.5
Additional charge for each ft	(oz/ft)	0.32
Additional charge for each m	(g/m)	30.0
	(inch)	3/8"/5/8"
Liquid side/ Gas side(indoor)	(mm)	9.52/15.9
	(inch)	3/8"/5/8"
Liquid side/ Gas side(outdoor)	(mm)	9.52/15.9
	(ft)	164.0
Max. pipe length	(m)	50.0
	(ft)	82.0
Max. difference in level	(m)	25.0
Connection method		Flared
Indoor(cooling)	(Deg. °F)	62~90
	(Deg. °C)	17~32
Indoor(heating)	(Deg. °F)	32~86
	(Deg. °C)	0~30
Outdoor(cooling)	(Deg. °F)	5~122
	(Deg. °C)	-15~50
Outdoor(heating)	(Deg. °F)	5~86
	(Deg. °C)	-15~30

INDOOR UNIT DATA

Indoor fan motor

Model YKFG-45-4-13
Qty 1
Input (W) 89.0
Output (W) 45.0
RLA (A) 0.5
Speed(Hi/Mi/Lo) (r/min) 1200/1000/800

Air flow & Noise level

Indoor air flow (Hi/Med/Lo) (No duct) (CFM) 588.24/564.71/447.06/341.18
Indoor noise level (Hi/Med/Lo) [dB(A)] 46/40/33.5

Dehumidification

(L/H) 3.26

Indoor unit

Dimension (WxDxH) (inch) 40.94x8.66x12.87
(mm) 1040x220x327
Packing(WxDxH) (inch) 44.09x15.94x12.40
(mm) 1120x405x315
Net/Gross weight (lbs.) 28.88/36.60
(kg) 13.1/16.6

OUTDOOR UNIT DATA

Compressor

Type Twin-ROTARY
Model KTM240D57UMT
Brand GMCC
Capacity (Btu/h) 26409
Input (W) 2085
Rated current (RLA) (A) 14.25
Refrigerant oil/oil charge (ml) ESTER OIL VG74 670

Outdoor fan motor

Model ZKFN-80-8-3
Qty 1
Input (W) /
Output (W) 80
RLA (A) 0.8
Speed (r/min) 810/720

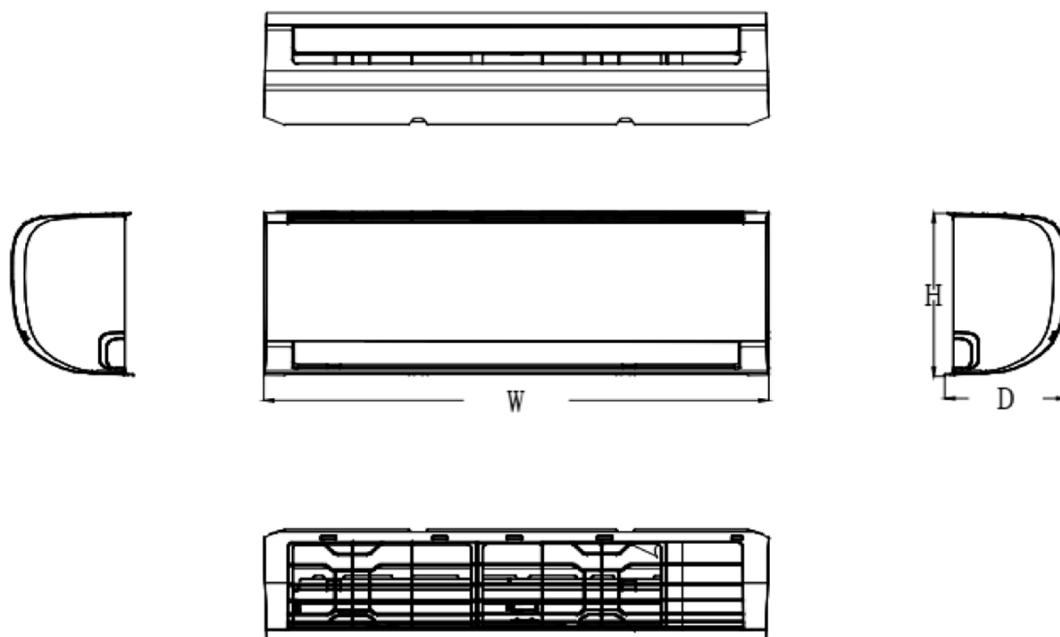
Air flow & Noise level

Outdoor air flow (Max.) (CFM) 1765
Outdoor noise level [dB(A)] 59.5

Outdoor unit

Dimension (WxDxH) (inch) 35.04x13.46x26.50
(mm) 890x342x673
Packing (WxDxH) (inch) 39.17x15.67x29.13
(mm) 995x398x740
Net/ Gross weight (lbs.) 97.88/104.50
(kg) 44.4/47.4

Indoor unit dimension



Capacity	Body Code	W(mm)	D(mm)	H(mm)
5K~11K	A	715	194	285
9K~14K	B	805	194	285
17K~18K	C	957	213	302
18K~24K	D	1040	220	327

Outdoor unit dimension

