

DiamondAir 18.3 SEER2 18K BTU Wall Mount Mini Split

Set Model

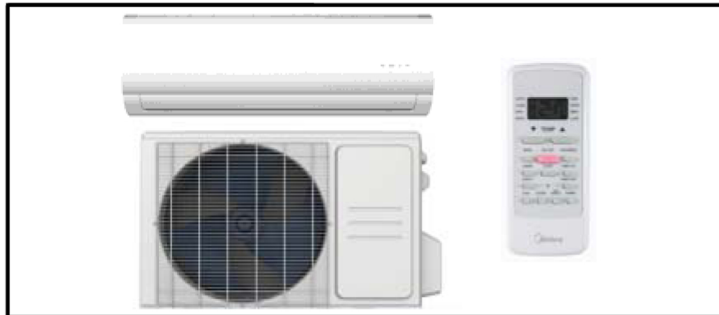
Indoor unit model D1618HMSIF
Outdoor unit model D1618HMSOF

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) 15.0
Max. fuse (Outdoor) (A) 20.0
Connection wiring 14#x4

Cooling

Capacity (Btu/h) 17000(6900~19600)
Power Input (W) 1720(190~1570)
Current (A) 7.6(1.48~6.9)
SEER2 (Btu/W) 18.3
EER2 (Btu/W) 9.9

Heating

Capacity (Btu/h) 18000(4480~18800)
Power Input (W) 1720(320~1670)
Current (A) 7.5(2.28~7.3)
HSPF2-4 (Btu/W) 8.7
HSPF2-5 (Btu/W) 6.7
COP W/W 3.07
Heat at 17F(H32) (Btu/h) 10500
Heat at 5F(H42) (Btu/h) 10100
COP at 5F(H42) W/W 1.84

REFRIGERANT PIPE DATA

	Indoor unit	N/A
Throttle type	Outdoor unit	Capillary
Design pressure (PSIG)		550/340
Refrigerant Type		R410A
Refrigerant charge (oz)		47.97
Refrigerant precharge (ft)		25.0
Refrigerant precharge (m)		7.5
Additional charge for each ft (oz/ft)		0.16
Additional charge for each m (g/m)		15.0
Liquid side/ Gas side(indoor) (inch)		1/4"/1/2"
Liquid side/ Gas side(indoor) (mm)		6.35/12.7
Liquid side/ Gas side(outdoor) (inch)		1/4"/1/2"
Liquid side/ Gas side(outdoor) (mm)		6.35/12.7
Max. pipe length (ft)		98.4
Max. pipe length (m)		30.0
Max. difference in level (ft)		65.6
Max. difference in level (m)		20.0
Connection method		Flared
Indoor(cooling) (Deg. °F)		62~90
Indoor(cooling) (Deg. °C)		17~32
Indoor(heating) (Deg. °F)		32~86
Indoor(heating) (Deg. °C)		0~30
Outdoor(cooling) (Deg. °F)		5~122
Outdoor(cooling) (Deg. °C)		-15~50
Outdoor(heating) (Deg. °F)		5~86
Outdoor(heating) (Deg. °C)		-15~30

INDOOR UNIT DATA

Indoor fan motor

Model YKFG-28-4-6-5
Qty 1
Input (W) 58.5
Output (W) 28.0
RLA (A) 0.7
Speed(Hi/Mi/Lo) (r/min) 1200/1000/800

Air flow & Noise level

Indoor air flow (Hi/Med/Lo) (No duct) (CFM) //463.53/369.41/275.29
Indoor noise level (Hi/Med/Lo) [dB(A)] 44/38/30

Dehumidification

(L/H) 2.04

Indoor unit

Dimension (WxDxH) (inch) 37.68x8.39x11.89
(mm) 957x213x302
Packing(WxDxH) (inch) 40.75x11.61x15.16
(mm) 1035x295x385
Net/Gross weight (lbs.) 22.93/29.32
(kg) 10.4/13.3

OUTDOOR UNIT DATA

Compressor

Type ROTARY
Model KSN140D21UFZ
Brand GMCC
Capacity (Btu/h) 14962
Input (W) 1140
Rated current (RLA) (A) 7.5
Refrigerant oil/oil charge (ml) VG74 440

Outdoor fan motor

Model ZKFN-34-10-1
Qty 1
Input (W) /
Output (W) 34
RLA (A) 0.8
Speed (r/min) 1200/700

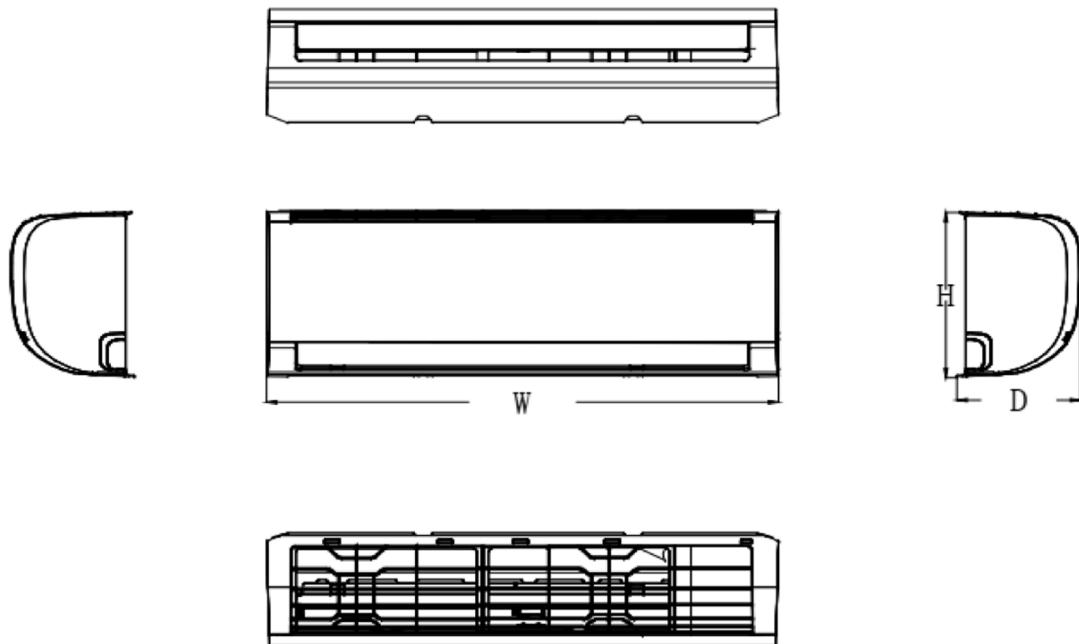
Air flow & Noise level

Outdoor air flow (Max.) (CFM) 1235
Outdoor noise level [dB(A)] 57.0

Outdoor unit

Dimension (WxDxH) (inch) 30.12x11.93x21.85
(mm) 765x303x555
Packing (WxDxH) (inch) 34.92x13.27x24.02
(mm) 887x337x610
Net/ Gross weight (lbs.) 64.15/69.67
(kg) 29.1/31.6

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

