

DiamondAir 22 SEER2 18K BTU Wall Mount Mini Split

Set Model

Indoor unit model DF2018HMS12
 Outdoor unit model D2018SHO2

Certified



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) 20.0
 Max.fuse(Outdoor) (A) 25.0
 Connection wiring 14AWG*4

Cooling

Capacity (Btu/h) 18000(8400~20200)
 Power Input (W) 1385(360~1860)
 Current (A) 8.9(2.5~9)
 SEER2 (Btu/W) 22.0
 EER2 (Btu/W) 13.0

Heating

Capacity (Btu/h) 18000(12000~23000)
 Power Input (W) 1575(815~2170)
 Current (A) 9.2(5.3~9.5)
 HSPF2-4 (Btu/W) 10.6
 HSPF2-5 (Btu/W) 7.9
 COP W/W 3.35
 Heat at 17F(H32) (Btu/h) 11100
 Heat at 5F(H42) (Btu/h) 17200
 COP at 5F(H42) W/W 1.89

REFRIGERANT PIPE DATA

Throttle type	Indoor unit	N/A
	Outdoor unit	EXV
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	65.26
	(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"
	(mm)	6.35/12.7
Liquid side/ Gas side(outdoor)	(inch)	1/4"/1/2"
	(mm)	6.35/12.7
	(ft)	98.4
Max. pipe length	(m)	30.0
	(ft)	65.6
Max. difference in level	(m)	20.0
Connection method		Flared
Indoor(cooling)	(Deg. °F)	60~90
	(Deg. °C)	16~32
Indoor(heating)	(Deg. °F)	32~86
	(Deg. °C)	0~30
Outdoor(cooling)	(Deg. °F)	-22~122
	(Deg. °C)	-30~50
Outdoor(heating)	(Deg. °F)	-22~75
	(Deg. °C)	-30~24

INDOOR UNIT DATA

Indoor fan motor

Model ZKFP-58-8-1-5
 Qty 1
 Input (W) 58.00
 Output (W) 58.0
 RLA (A) 0.3
 Speed(Hi/Mi/Lo) (r/min) 1120/950/700

Air flow & Noise level

Indoor air flow (Hi/Med/Lo) (No duct) (CFM) 760.59/530.59/458.82/382.35
 Indoor noise level (Hi/Med/Lo) [dB(A)] 46/40/25

Dehumidification

(L/H) 1.35

Indoor unit

Dimension (WxDxH) (inch) 42.60x9.21x13.27
 (mm) 1082x234x337
 Packing(WxDxH) (inch) 45.47x16.34x12.40
 (mm) 1155x415x315
 Net/Gross weight (lbs.) 29.54/37.48
 (kg) 13.4/17

OUTDOOR UNIT DATA

Compressor

Type Twin-ROTARY
 Model KTM240D43UKT
 Brand GMCC
 Capacity (Btu/h) 25931
 Input (W) 2045
 Rated current (RLA) (A) 14.25
 Refrigerant oil/oil charge (ml) ESTER OIL VG74 620

Outdoor fan motor

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

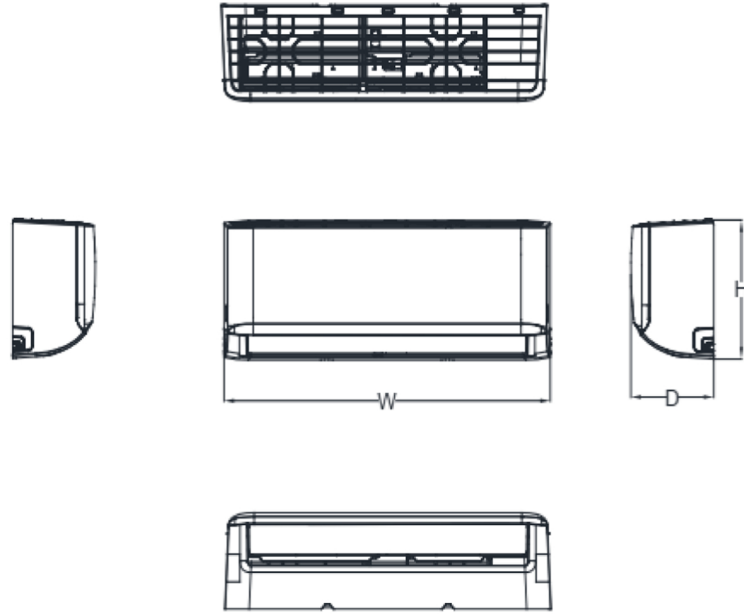
Air flow & Noise level

Outdoor air flow (Max.) (CFM) 1765
 Outdoor noise level [dB(A)] 58.0

Outdoor unit

Dimension (WxDxH) (inch) 35.04x13.46x26.50
 (mm) 890x342x673
 Packing (WxDxH) (inch) 39.17x15.67x29.13
 (mm) 995x398x740
 Net/ Gross weight (lbs.) 100.97/108.03
 (kg) 45.8/49

Indoor unit dimension



Capacity	Body Code	W(mm/inch)	D(mm/inch)	H(mm/inch)
6K~11K	A	729/28.7	200/7.87	292/11.5
8K~14K	B	802/31.57	200/7.87	295/11.61
12K~21K	C	971/38.23	228/8.98	321/12.64
18K~28K	D	1082/42.6	234/9.21	337/13.27
27K~36K	F	1259/49.57	283/11.14	362/14.25

Outdoor unit dimension

