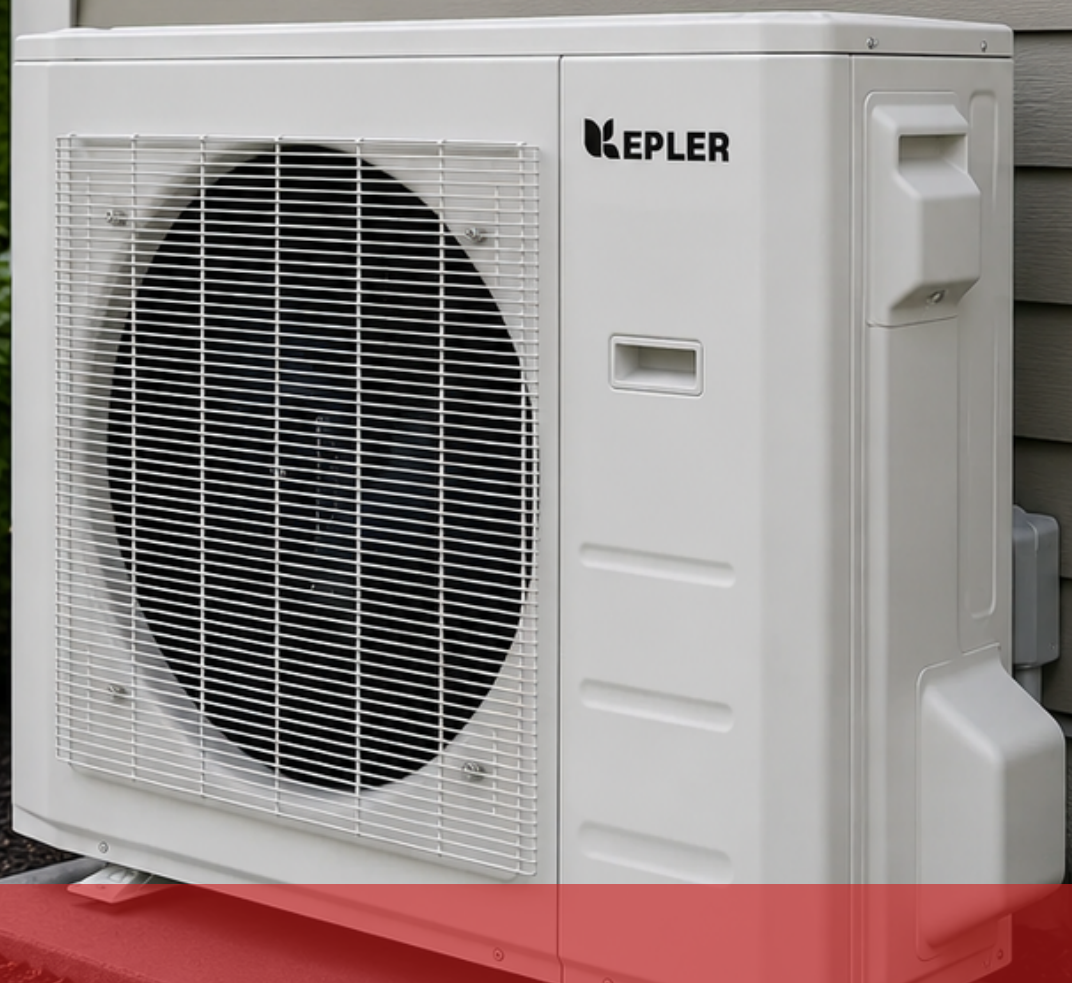




Kepler 21-B Series ODUMOD31-36HFN1-MP0W Submittal Data Sheet

MINI-SPLIT OUTDOOR CONDENSER (UP TO 5°F/-15°C)

SUBMITTAL DATA SHEET

Wall Mounted Heat Pump System

Location: _____
 Engineer: _____
 Submitted to: _____
 Submitted by: _____
 Reference: _____

Approval: _____
 Date: _____
 Construction: _____
 Unit #: _____
 Drawing #: _____

Set Code

Indoor unit code
 Outdoor unit code

Set Model

Indoor unit model
 Outdoor unit model

IDUMSABF-36HRFNX-MQ0W
 ODUMOD31-36HFN1-MP0W

Certified

AHRI



UL



SYSTEM PERFORMANCE DATA

Power supply

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

Electrical

Minimum circuit ampacity (Outdoor) (A) 28.0
 Max. fuse (Outdoor) (A) 35.0
 Connection wiring 14A WG* 4

Cooling

Capacity (Btu/h) 36000 (8900~36300)
 Power Input (W) 4256 (250~3620)
 Current (A) 18.4 (1.1~15.7)
 SEER2 (Btu/W) 17.5
 EER2 (Btu/W) 8.5

Heating

Capacity (Btu/h) 36000 (11400~37800)
 Power Input (W) 4270 (700~4185)
 Current (A) 18.9 (3~18.2)
 HSPF2-4 (Btu/W) 8.7
 HSPF2-5 (Btu/W) 6.8
 COP W/W 2.47
 Heat at 17F(H32) (Btu/h) 24000
 Heat at 5F(H42) (Btu/h) 17600
 COP at 5F(H42) W/W 1.97

REFRIGERANT PIPE DATA

	Indoor unit	N/A
Throttle type	Outdoor unit	EXV+Capillary
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	119.93
	(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
Liquid side/ Gas side(indoor)	(inch)	3/8"/5/8"
	(mm)	9.52/15.9
Liquid side/ Gas side(outdoor)	(inch)	3/8"/5/8"
	(mm)	9.52/15.9
	(ft)	213.3
Max. pipe length	(m)	65.0
	(ft)	98.4
Max. difference in level	(m)	30.0
Connection method		Flared
Indoor(cooling)	(Deg. °F)	62~90
	(Deg. °C)	17~32

INDOOR UNIT DATA

Indoorfan motor

Model ZKFP-58-8-1-5
 Qty 1
 Input (W) 58.00
 Output (W) 58.0
 RLA (A) 0.5
 Speed(Hi/Mi/Lo) (r/min) 1200/950/750

Air flow & Noise level

Indoor airflow(Hi/Med/Lo) (No duct) (CFM) 882.35/732.35/517.65/400.00
 Indoor noiselevel(Hi/Med/Lo) [dB(A)] 56.5/54.5/40
 Dehumidification (L/H) 4.72

Indoor unit

Dimension (WxDxH) (inch) 49.57x11.10x14.25
 (mm) 1259x282x362
 Packing(WxDxH) (inch) 52.76x17.72x15.16
 (mm) 1340x450x385
 Net/Gross weight (lbs.) 40.34/52.69
 (kg) 18.3/23.9

OUTDOOR UNIT DATA

Compressor

Type ROTARY
 Model KT F250D22UMT
 Brand GMCC
 Capacity (Btu/h) 27620
 Input (W) 2200
 Rated current (RLA) (A) 18
 Refrigerant oil/oil charge (ml) VG74/670

Outdoor fan motor

Model ZKFN-120-8-2
 Qty 1
 Input (W) 150.0
 Output (W) 120
 RLA (A) 0.5
 Speed (r/min) 1150/1050/900/850

Air flow & Noise level

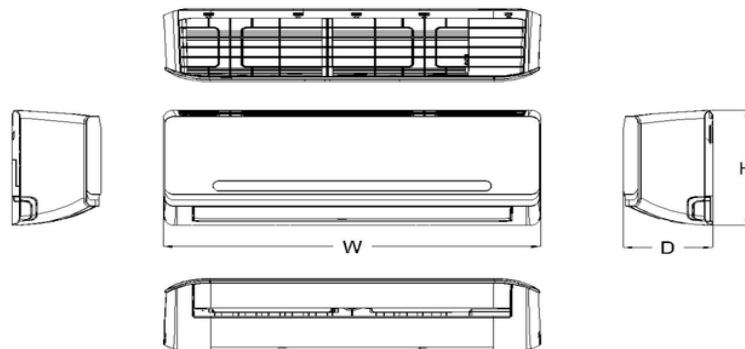
Outdoor air flow(Max.) (CFM) 2235
 Outdoor noiselevel [dB(A)] 63.5

Outdoor unit

Dimension (WxDxH) (inch) 37.24x16.14x31.89
 (mm) 946x410x810
 Packing (WxDxH) (inch) 42.91x19.69x34.84
 (mm) 1090x 500x 885

Indoor(heating)	(Deg. °F)	32~86	Net/ Gross weight	(lbs.)	150.13/158.95
	(Deg. °C)	0~30		(kg)	68.1/72.1
Outdoor(cooling)	(Deg. °F)	5~122			
	(Deg. °C)	-15~50			
Outdoor(heating)	(Deg. °F)	5~86			
	(Deg. °C)	-15~30			

INDOOR UNIT DIMENSION



Capacity	Body Code	W(mm)	D(mm)	H(mm)
7K~9K	A	722	187	290
9K~12K	B	802	189	297
12K~18K	D	965	215	319
18K~24K	E	1080	226	335
27K~36K	F	1259	282	362
30K~36K	G	1350	272	365

OUTDOOR UNIT DIMENSION

