

EG4[®] 24K & 36K Multizone Mini-Split AC/DC

The EG4 24K Hybrid Multizone Mini Split delivers efficient heating and cooling with flexible AC and/or DC solar input. This system operates from 208 to 240 VAC and supports direct solar power from 150 to 410 VDC. Customers reduce daytime consumption through high solar utilization while maintaining strong performance across four-season climates. The hybrid multizone configuration supports multiple indoor heads and provides steady comfort with low operating noise and high efficiency.



**HYBRID AC/DC
SOLAR
OPERATION**

**HIGH EFFICIENCY
R32
REFRIGERANT**

**24000 BTU
MULTIZONE
SYSTEM**

FEATURES:

- Hybrid AC and DC inputs
- Solar-ready design for reduced daytime consumption
- High efficiency cooling and heating
- DIY installation with 16.4 ft pre charged refrigerant line
- Quiet indoor and outdoor operation
- R32 refrigerant
- 5 year limited warranty

TECHNICAL SPECIFICATIONS

ELECTRICAL [AC]	24K MULTIZONE	36K MULTIZONE
RATED VOLTAGE		208 – 230 VAC
RATED CURRENT	8.4 – 9.2A	20.9 – 18.9A
FREQUENCY		60Hz
MINIMUM CIRCUIT AMPACITY	17.3A	24.4A
MAXIMUM BREAKER SIZE	25A	32A
MAXIMUM STARTING CURRENT	1.3A	2A
ELECTRICAL [DC]		
RATED VOLTAGE	150 – 410 VDC	100 – 410 VDC
RATED CURRENT	4.6 – 12.6A	10 – 26A
MAXIMUM PV VOLTAGE		410 VOC
MAXIMUM PV INPUT CURRENT [A]	20A	13A per port
MAXIMUM PV AMPERAGE [ISC]	14A	13A per port
RATED PV WATTAGE	5 PCS x 550W	4 PCS x 550W + 4 PCS x 550W
MPPT PORTS	1	2
COOLING PERFORMANCE		
NOMINAL CAPACITY	24,000 BTU/h	36,000 BTU/h
OPERATING RANGE	7,800 – 27,500 BTU/h	8,500 – 41,300 BTU/h
INPUT POWER [AC]	1900W	2920W
RATED CURRENT [AC]	8.34A	12.82A
EER [BTU/W]	12.6	12.3
SEER/SEER 2 [W/W]	22.3 / 22	22.4 / 22.5
HEATING PERFORMANCE		
NOMINAL CAPACITY	24,000 BTU/h	36,000 BTU/h
OPERATING RANGE	8,400 – 28,000 BTU/h	9,100 – 41,000 BTU/h
INPUT POWER [AC]	1675W	2620W
RATED CURRENT [AC]	7.36A	11.51A
COP [BTU/W]	14.3	13.7
HSPF [W/W]	11	11.4
HSPF2 [W/W]	10	10
SYSTEM DATA		
DESIGN PRESSURE [PSIG]	<651 PSI	<652 PSI
REFRIGERANT	R32 57.85 oz. (1.71L)	R32 86.42 oz. (2.56L)
PRE-CHARGED REFRIGERANT LINE OPTIONS		16.4 ft. (5 m) 26.2 ft. (8 m)
CHARGE REQUIRED PER ADDITIONAL FOOT [BEYOND FACTORY CHARGE OF 75 FT.]*		0.19 oz. (5.62 ml)
LIQUID VALVE DIAMETER		1/4 in. (6.35 mm)
GAS VALVE DIAMETER		3/8 in. (9.52 mm)
MAX REFRIGERANT PIPE LENGTH [ALL UNITS]	196 ft. (59.7 m)	262 ft. (80 m)
MAX LENGTH ONE INDOOR UNIT	114 ft. (34.7 m)	114 ft. (34.7 m)
MAX ELEVATION BETWEEN INDOOR AND OUTDOOR UNITS	49 ft. (14.9 m)	49 ft. (14.9 m)
MAX ELEVATION BETWEEN INDOOR UNITS	32 ft. (9.6 m)	32 ft. (9.6 m)

* When using pre-vacuumed line set extensions. Pre-charged line set extensions do not require additional freon.

COMPRESSOR DATA	24K MULTIZONE		36K MULTIZONE
TYPE	Rotary		
INPUT POWER	1825W	2651W	
RATED LOAD AMPERAGE [RLA]	8.3A	5.3A	
OUTDOOR UNIT DATA			
MAX INDOOR UNITS	3	4	
OUTPUT POWER	75W	90W	
RATED LOAD AMPERAGE [RLA]	8.34A	12.82A	
SPEED [HI/MED/LO]	820 r/min		
AIR FLOW [HI/MED/LO]	1765 CFM	2355 CFM	
SOUND PRESSURE	58 dB(A)	60 dB(A)	
UNIT DIMENSIONS [W×D×H]	34.96 x 12.5 x 27.55 in. (888 x 318 x 700 mm)	37.1 x 14.8 x 33.2 in. (942 x 376 x 843 mm)	
PACKAGING DIMENSIONS [W×D×H]	39.6 x 16.45 x 29.72 in. (1006 x 418 x 755 mm)	42.7 x 18.7 x 39.8 in. (1085 x 475 x 1011 mm)	
UNIT/PACKAGED WEIGHT	118/126.75 lbs. (53.5/57.5 kg)	172/198.4 lbs. (78/90 kg)	
OPERATING TEMPERATURE [COOLING]	5 – 125°F (-15 – 52°C)		
OPERATING TEMPERATURE [HEATING]	5 – 75°F (-15 – 24°C)		
INDOOR UNIT DATA	12K	18K	24K
OUTPUT POWER	15W	30W	45W
RATED LOAD AMPERAGE [RLA]	0.4A	0.44A	0.48A
SPEED R/MIN	850 – 1250 r/min		900 – 1350 r/min
AIR FLOW VOLUME	365 CFM	559 CFM	765 CFM
SOUND PRESSURE VOLUME	43 dB(A)	46 dB(A)	50 dB(A)
UNIT DIMENSIONS [W×D×H]	33.1 x 8.1 x 11.6 in. (840 x 205 x 295 mm)	37.4 x 9.1 x 12.2 in. (950 x 231 x 310 mm)	42.5 x 9.3 x 13.0 in. (1080 x 236 x 330 mm)
PACKAGING DIMENSIONS [W×D×H]	36.2 x 11.4 x 14.2 in. (920 x 290 x 360 mm)	41.0 x 12.4 x 14.6 in. (1041 x 315 x 371 mm)	44.9 x 11.8 x 15 in. (1141 x 300 x 381 mm)
UNIT/PACKAGED WEIGHT	20.94/26.0 lbs. (9.5/11.8 kg)	26.5/33.1 lbs. (12.0/15 kg)	33.1/38.6 lbs. (15/17.5 kg)
OPERATING TEMPERATURE [COOLING]	61 – 90°F (16 – 32°C)		
OPERATING TEMPERATURE [HEATING]	32 – 90°F (0 – 32°C)		
WARRANTY			
LIMITED WARRANTY	5-Year limited warranty		

CHANGELOG

V1.0

- Document published

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