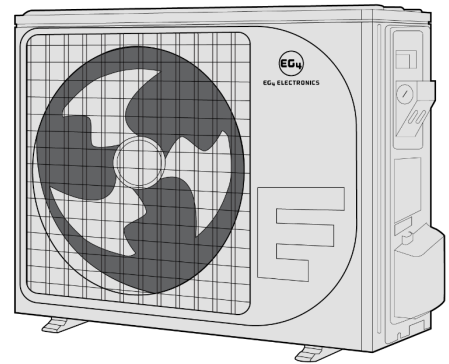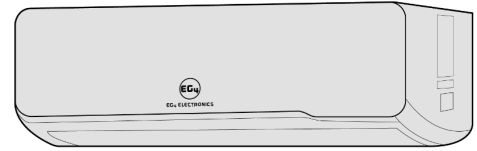# EG4® HYBRID AC/DC MINI-SPLIT AIR CONDITIONER/HEAT PUMP

EG4 Hybrid Mini-Splits offer a highly efficient 12K or 24K BTU heating and cooling system, designed for spaces from 650 to 1,350 square feet, raising the bar for energy efficiency, driven by mini-split innovation in HVAC mechanics. Progress in mini-split systems have paved the way for Energy Star-certified options, exemplified by the EG4 Hybrid Mini-Split systems, delivering superior energy efficiency, reduced environmental impact, and potential cost savings for an eco-friendly choice.

PLUG-N-COOL DIY

HIGHEST EFFICIENCY RATINGS

5-YEAR LIMITED WARRANTY

EASY DO-IT-YOURSELF INSTALLATION

Allows for quick and easy refrigerant line-set connection via the quick-connect self-closing companion valves without special tools, equipment, or training. No need to pull a vacuum.

AC/DC HYBRID POWER INPUTS

Power this hybrid mini-split with solar panels attached directly to the outside unit and/or with 115VAC for the 12K unit, or 208-240VAC for the 24K unit. 100% daytime energy savings on sunny days when solar power is utilized.

HEATING & COOLING CAPACITY

Innovative air conditioning and heating for small (650sqft) and medium (1,350sqft) sized rooms.

AHRI CERTIFIED®
www.ahridirectory.org
Globally Recognized. Industry Respected.

energy
ENERGY STAR

PLUG-n-COOL

S P E C I F I C A T I O N S

ELECTRICAL (AC)	12K SYSTEM	24K SYSTEM
RATED VOLTAGE	115VAC	208VAC – 240VAC
RATED CURRENT COOLING	8.1A	9.5A
RATED CURRENT HEATING	8.26A	10.1A
RATED INPUT POWER	190W – 1100W	190W – 2250W
FREQUENCY	60Hz	
MINIMUM CIRCUIT AMPACITY	19.05A	16.33A
MAXIMUM BREAKER SIZE	20A	
MAXIMUM STARTING CURRENT	4A	6A
ELECTRICAL (DC)		
RATED VOLTAGE	90VDC – 380VDC	
MAXIMUM PV VOLTAGE	380VOC	
MAXIMUM PV AMPERAGE (ISC)	12A	
RATED PV WATTAGE	1100W	2200W
RATED COOLING		
NOMINAL CAPACITY	12,000 BTU/h	24,000 BTU/h
OPERATING RANGE	3,000 – 13,000 BTU/h	6,100 – 25,200 BTU/h
EER	13.04 BTU/W	11.7 BTU/W
SEER2	22 BTU/W	21 BTU/W
RATED HEATING		
NOMINAL CAPACITY	12,500 BTU/h	26,000 BTU/h
OPERATING RANGE	3,000 – 13,000 BTU/h	6,100 – 26,000 BTU/h
HSPF2	10.5	9.6
SYSTEM DATA		
DESIGN PRESSURE (PSIG)	<651 PSI	
REFRIGERANT	R410A/38.8 oz. (1.15L)	R410A/56.43 oz. (1.67L)
PRE-CHARGED REFRIGERANT LINE	16.4 ft. (5m)	
CHARGE REQUIRED PER ADDITIONAL FT	0.2 oz. (6ml)	
LIQUID VALVE DIAMETER	0.25 in. (6.35mm)	
GAS VALVE DIAMETER	0.375 in. (9.53mm)	0.5 in. (12.7mm)
MAX REFRIGERANT PIPE LENGTH	49 ft. (15m)	82 ft. (25m)
MAX ELEVATION BETWEEN UNITS	26 ft.	32 ft.
COMPRESSOR SPECIFICATIONS		
TYPE	2 × Rotary	
INPUT POWER	190 – 1,100W	190 – 2,250W
RATED LOAD AMPERAGE (RLA)	3.6A	6.72A

INDOOR UNIT DATA		
RATED LOAD AMPERAGE (RLA)	0.4A	0.48A
SPEED (TURBO/5/4/3/2/1)	1300/1200/1100/1000/900/850 r/min	1300/1200/1100/1050/950/900 r/min
AIR FLOW (TURBO/5/4/3/2/1)	382/347/312/276/240/220 CFM	706/625/560/526/462/430 CFM
SOUND PRESSURE (TURBO/5/4/3/2/1)	41/39/37.5/35/32.5/31.5 dB(A)	50/48.5/45.5/43.5/41/39 dB(A)
MOISTURE REMOVAL	2.65 pt/hr. (1.25L/hr.)	4.5 pt/hr. (2.1L/hr.)
UNIT DIMENSIONS (W×D×H)	33.1×8.1×11.6 in. (840×205×295mm)	42.5×9.3×13.0 in. (1080×236×330mm)
PACKAGING DIMENSIONS (W×D×H)	36.2×11.4×14.2 in. (920×290×360mm)	44.9×11.8×14.3 in. (1140×300×363mm)
UNIT/PACKAGED WEIGHT	20.94/26.0 lbs. (9.5/11.8kg)	33.1/38.6 lbs. (15.0/17.5kg)
OPERATING TEMPERATURE (COOLING)	61 – 90°F (16 – 32°C)	
OPERATING TEMPERATURE (HEATING)	32 – 90°F (0 – 32°C)	
OUTDOOR UNIT DATA		
RATED LOAD AMPERAGE (RLA)	0.42A	0.81A
SPEED (HI/MED/LO)	800 r/min	850 r/min
AIR FLOW (HI/MED/LO)	1,060 CFM	1,940 CFM
SOUND PRESSURE (HI/MED/LO)	52 dB(A)	58 dB(A)
UNIT DIMENSIONS (W×D×H)	31.6×12.7×22.2 in. (802×323×564mm)	35.4×13.3×27.6 in. (802×323×564mm)
PACKAGING DIMENSIONS (W×D×H)	35.8×15.9×24.5 in. (910×405×622mm)	396×165×297 in. (910×405×622mm)
UNIT/PACKAGED WEIGHT	75.0/83.8 lbs. (34.0/38.0kg)	102.5/114.6 lbs. (46.5/52.0kg)
OPERATING TEMPERATURE (COOLING)	32 – 131°F (0 – 55°C)	
OPERATING TEMPERATURE (HEATING)	5 – 86°F (-15 – 30°C)	
ACCESSORIES		
CONTROL	Remote	
SIGNAL CABLE	18 AWG (4 Stranded)	
INSTALLATION LINESET LENGTH	16.4 ft. (5m)	
WARRANTY		
LIMITED WARRANTY	5-year limited warranty	

C H A N G E L O G

Version 2.2
- Changed verbiage on page 1 and 2 of the document
- Combined 12K and 24K into one spec sheet
- Changed cm to mm
- Minor reformatting
- Added changelog