

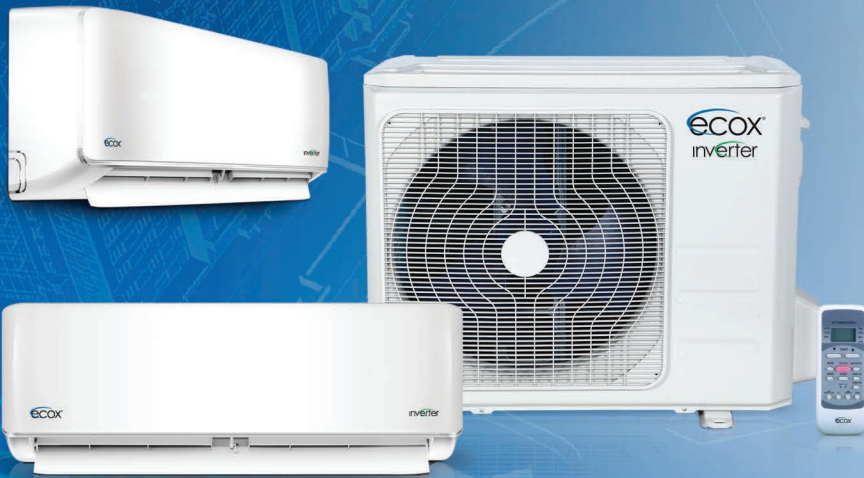
ecox[®]

Creating pleasurable environments

60Hz

AIR CONDITIONER
MINISPLIT **EDEM**

UP TO
SEER 22



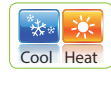
- Functions as Air Conditioning, Fan and Dehumidifier
- Energy efficiency up to 22 SEER
- Capacities between 9.000 BTU to 24.000 BTU
- Available in 110V or 220V
- Remote connection option through a smartphone or tablet
- Washable filters
- Carbon filter



New features in the outdoor unit

- New Appearance - tougher unit - sturdier
- Better Performance
- New top Cover with less screws, disassembling and maintenance turn to be more convenient
- New upside-down E-Box - easier maintenance - prevents water and dust accumulation by reducing it in 70%





Includes Installation Kit for 10 feet



Easy Installation



Refrigerant Leakage Detect



Auto Restart



Follow Me



Low Ambient Cooling



Turbo



Carbon filter



Louver Position Memory Function



WiFi Connection



Mode "Sleep"



Temp Compensation



Self-cleaning



Timer



Ionizer

Power supply: 115V / 60Hz / 1Ph

Model	EDEM009H22A	EDEM012H22A
Cooling		
Capacity	Btu/h 9000	12000
Input	W 665	960
Rated current	A 5.8	8.4
EER	Btu/w 13.5	12.5
SEER	Btu/w 22.5	21.5
Heating		
Capacity	Btu/h 9800	11800
Input	W 790	1120
Rated current	A 6.9	9.8
COP	W/W 3.64	3.09
HSPF4	Btu/w 10.5	11.2
HSPF5	Btu/w 8.6	9
Compressor		
Model	ASN98D22UFZ	ASM98D32UFZ
Type	ROTARY	ROTARY
Brand	GMCC	GMCC
Capacity	Btu/h 10014	11157
Input	W 748	800
Rated current (RLA)	A 9.8	10.5
Refrigerant oil/oil charge	ml ESTER OIL VG74-370	ESTER OIL VG74/370
Indoor fan motor		
Model	ZKFP-20-8-5	ZKFP-20-8-5
Brand	Welling	Welling
Input	W 25	25
RLA	A 0.3	0.3
Speed (hi./mi./lo.)	r/min 1080/850/700	1080/850/650
Indoor unit		
Indoor air flow (hi./mi./lo.)	m ³ /h / CFM 500/360/250 / 294/212/147	520/360/250 / 306/212/147
Indoor noise level (hi./mi./lo.)	dB(A) 36/32/23	36/32/23
Dimension (width x depth x high)	mm / inch 802x189x297 / 31.57x7.44x11.69	802x189x297 / 31.57x7.44x11.69
Packing (width x depth x high)	mm / inch 875x285x375 / 34.45x11.22x14.76	875x285x375 / 34.45x11.22x14.76
Net/Gross weight	Kg / lbs. 8.2/10 / 18.1/22.0	8.2/10 / 18.1/22.0
Outdoor fan motor		
Model	ZKFN-40-8-1L	ZKFN-40-8-1L
Brand	Welling	Welling
Input	W 63	63
RLA	A 0.6	0.6
Outdoor unit		
Outdoor air flow	m ³ /h / CFM 1800 / 1060	1900 / 1120
Outdoor noise level	dB(A) 52.5	52.5
Dimension (width x depth x high)	mm / inch 770x300x555 / 30.31x11.81x21.85	800x333x554 / 31.50x13.11x21.81
Packing (width x depth x high)	mm / inch 900x345x585 / 35.43x13.58x23.03	920x390x615 / 36.22x15.35x24.21
Net/Gross weight	Kg / lbs. 29/31.5 / 63.9/69.4	37/40 / 81.6/88.2
Refrigerating		
Refrigerant type	g / oz R410A/1100 / 38.8	R410A/1150 / 40.6
Refrigerant precharge	ft 25	25
Additional charge for each ft	oz 0.161	0.161
Design pressure	PSIG 550/340	550/340
Liquid side/Gas side	mm (inch) 06.35/09.52 (1/4"/3/8")	06.35/012.7 (1/4"/1/2")
Max. refrigerant pipe length	m / ft 25 / 82	25 / 82
Max. difference in level	m / ft 10 / 33	10 / 33
Operation temperature		
Indoor (cooling/heating)	°C / °F 17~32/0~30 / 62~90/32~86	17~32/0~30 / 62~90/32~86
Outdoor (cooling/heating)	°C / °F -25~-50/-25~30 / -13~-122/-13~86	-25~-50/-25~30 / -13~-122/-13~86
Other specifications		
MINIMUM CIRCUIT AMPACITY	A 15	15
MAX.FUSE	A 20	20
Connection wiring	16AWG*4 Stranded, unshielded	16AWG*4 Stranded, unshielded
Thermostat type	Remote control	Remote control
Application area (cooling standard)	m ² / sq.ft 12-17.6 / 129-189	16-23.4 / 172-252
Qty/per 20' /40' /40'HQ	set 105/220/248	85/185/215

Power supply: 208-230V / 60Hz / 1Ph

Model	EDEM009H22B	EDEM012H22B	EDEM018H22B	EDEM024H22B
Cooling				
Capacity	Btu/h 9000	12000	18000	24000
Input	W 640	923	1384	1920
Rated current	A 2.9	4.05	6.1	8.4
EER	Btu/w 14	13	13	12.5
SEER	Btu/w 22.8	21.5	20.8	20.5
Heating				
Capacity	Btu/h 9800	12000	18000	25000
Input	W 930	1085	1570	2315
Rated current	A 4.2	4.72	6.82	10.1
COP	W/W 3.09	3.24	3.36	3.17
HSPF4	Btu/w 10.5	9.8	10	10
HSPF5	Btu/w 8.6	7.7	8	8.3
Compressor				
Model	ASN98D22UFZ	ASM98D32UFZ	ASM135D23UFZ	ATF235D22UMT
Type	ROTARY	ROTARY	ROTARY	ROTARY
Brand	GMCC	GMCC	GMCC	GMCC
Capacity	Btu/h 10014	11157	13836	24344
Input	W 748	800	1035	1970
Rated current (RLA)	A 5.5	6.8	10.0	12
Refrigerant oil/oil charge	ml ESTER OIL VG74-370	ESTER OIL VG74/370	ESTER OIL VG74/450	ESTER OIL VG74/670
Indoor fan motor				
Model	ZKFP-20-8-6	ZKFP-20-8-6	ZKFP-58-8-1	ZKFN-120-8-2
Brand	Welling	Welling	Welling	Welling
Input	W 22	22	58 (Output)	150
RLA	A 0.25	0.25	0.4	0.45
Speed (hi./mi./lo.)	r/min 1080/850/700	1080/850/650	1000/800/700	1100/900/700
Indoor unit				
Indoor air flow (hi./mi./lo.)	m ³ /h / CFM 450/348/240 / 265/205/141	520/360/250 / 306/212/147	950/620/520 / 559/365/306	1050/800/550 / 618/471/324
Indoor noise level (hi./mi./lo.)	dB (A) 36.5/30/25	36.5/30/25	43/38/32	47.5/42/33
Dimension (width x depth x high)	mm / inch 802x189x297 / 31.57x7.44x11.69	802x189x297 / 31.57x7.44x11.69	1080x226x335 / 42.52x8.90x13.19	1080x226x335 / 42.52x8.90x13.19
Packing (width x depth x high)	mm / inch 875x285x375 / 34.45x11.22x14.76	875x285x375 / 34.45x11.22x14.76	1155x415x315 / 45.47x16.34x12.40	1155x415x315 / 45.47x16.34x12.40
Net/Gross weight	Kg / lbs. 8.2/10 / 18.1/22.0	8.2/10 / 18.1/22.0	13.2/16.8 / 29.1/37.0	13.2/16.8 / 29.1/37.0
Outdoor fan motor				
Model	ZKFN-40-8-1L	ZKFN-40-8-1L	ZKFN-50-8-2	ZKFN-120-8-2
Brand	Welling	Welling	Welling	Welling
Input	W 63	63	50 (Output)	150
RLA	A 0.4	0.4	0.6	0.6
Outdoor unit				
Outdoor air flow	m ³ /h / CFM 1800 / 1060	1900 / 1120	2500 / 1470	4000 / 2355
Outdoor noise level	dB(A) 55.5	57.5	61	61
Dimension (width x depth x high)	mm / inch 770x300x555 / 30.31x11.81x21.85	800x333x554 / 31.50x13.11x21.81	845x363x702 / 33.27x14.29x27.64	946x410x810 / 37.24x16.14x31.89
Packing (width x depth x high)	mm / inch 900x345x585 / 35.43x13.58x23.03	920x390x615 / 36.22x15.35x24.21	965x395x755 / 38.00x15.55x29.72	1090x500x875 / 42.91x19.69x34.45
Net/Gross weight	Kg / lbs. 29/31.5 / 63.9/69.4	37/40 / 81.6/88.2	45.8/49.1 / 101.0/108.2	62/66.8 / 136.69/147.27
Refrigerating				
Refrigerant type	g / oz R410A/1000 / 38.8	R410A/1151 / 40.6	R410A/1950 / 68.8	R410A/2350 / 82.9
Refrigerant precharge	ft 25	25	25	25
Additional charge for each ft	oz 0.161	0.161	0.161	0.322
Design pressure	PSIG 550/340	550/340	550/340	550/340
Liquid side/Gas side	mm (inch) 06.35/09.52 (1/4"/3/8")	06.35/012.7 (1/4"/1/2")	06.35/012.7 (1/4"/1/2")	09.52/015.9 (3/8"/5/8")
Max. refrigerant pipe length	m / ft 25 / 82	25 / 82	30 / 98	50 / 164
Max. difference in level	m / ft 10 / 33	10 / 33	20 / 66	25 / 82
Operation temperature				
Indoor (cooling/heating)	°C / °F 17~32/0~30 / 62~90/32~86	17~32/0~30 / 62~90/32~86	17~32/0~30 / 62~90/32~86	17~32/0~30 / 62~90/32~86
Outdoor (cooling/heating)	°C / °F -25~-50/-25~30 / -13~-122/-13~86	-25~-50/-25~30 / -13~-122/-13~86	-25~-50/-25~30 / -13~-122/-13~86	-25~-50/-25~30 / -13~-122/-13~86
Other specifications				
MINIMUM CIRCUIT AMPACITY	A 10	12	15	18
MAX.FUSE	A 15	15	20	25
Connection wiring	16AWG*4 Stranded, unshielded	16AWG*4 Stranded, unshielded	16AWG*4 Stranded, unshielded	16AWG*4 Stranded, unshielded
Thermostat type	Remote control	Remote control	Remote control	Remote control
Application area (cooling standard)	m ² / sq.ft 12-17.6 / 129-189	16-23.4 / 172-252	23.3-34.2 / 251-368	30.6-44.9 / 330-484
Qty/per 20' /40' /40'HQ	set 105/220/248	85/185/215	66/138/152	44/96/108

