

E.E.R
Up to (**)
400

OMEGA

HYBRID INVERTER
TECHNOLOGY

Engineered to elevate efficiency and comfort
..... to the next level!



HWSS SERIES HYBRID INVERTER Split High Wall Heat Pump Up to 400 EER in Cooling (**)

Cooling Nominal: 12,000-18,000 Btuh (3.5-5.3 kW)

Heating Nominal: 13,000-25,000 Btuh (3.8-7.3 kW)

Product Features

- ✓ ETL Listed, AHRI Certified & Energy Star.
- ✓ Auto Restart.
- ✓ Anti-Mildew Dry Technology.
- ✓ 3 Meters Cu/Cu Connecting Pipe.
- ✓ R410A Refrigerant.

Indoor Unit Features

- ✓ Wireless LCD Remote Control.
- ✓ Auto Setting for Cooling, Dehumidifying, Fan.
- ✓ Low noise design.
- ✓ Sleep Mode.
- ✓ Auto Swing (Vertical).
- ✓ Turbo Cooling Function with 4 Speed Fan.
- ✓ Timer (On/Off).
- ✓ Indicating light display (LED).
- ✓ Easy Connect Flare Connections.

Outdoor Unit Features

- ✓ Soft Start.
- ✓ Unique PSCM (Power Supply Control / Module).
- ✓ G10 Technologies.
- ✓ PV Power Generating Technologies.



OMEGA



OTEC
AIR CONDITIONING

A Product of
OMEGA
Environmental
Technologies LLC.

ISO 14001 ISO 9001

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OMEGA HYBRID INVERTER AIR CONDITIONER

INDOOR UNIT				OUTDOOR UNIT			
MODEL NO.	HWSS	012J 2A-RWK035	018J 2A-RW1053	MODEL NO.	HCSS	012J 2A-RSK035	018J 2A-RS1053
Cooling Capacity Btuh (kw)	Nominal	12,000 (3.5)	18,000 (5.3)	Outdoor Fan	Type	Axial - Flow	
	Minimum	4,500 (1.3)	6,000 (1.8)		No of Fans	1	1
	Maximum	14,000 (4.1)	22,350 (6.5)		Speed	2	2
Heating Capacity Btuh (kw)	Nominal	13,000 (3.8)	25,000 (7.3)		Air Flow CFM (m³/hr) (Hi)	1060 (1800)	1885 (3200)
	Minimum	3,250 (1.0)	4,100 (1.2)		FLA	0.17	0.62
	Maximum	14,500 (4.3)	25,000 (7.3)		Noise Level (dbA)	55	54
Efficiency (**)	Without Solar Panel	SEER Btuh/w	20.0	18.0	Outdoor Coil Type:	Grooved Copper Tubes - Aluminum Blue Slit Fin	
		EER Btuh/w	12.0	14.7	Type	DC Inverter Rotary - 2 Stage	
		COP Btuh/w	10.9	9.1	Rated Amps (RLA)	4.6	8.4
	With (1) Solar Panel 275W	EER Btuh/w	16.6	14.7	Power Input (Watts)	800	1640
	With (2) Solar Panel 550W	EER Btuh/w	26.7	18.9	Locked Rotor Amps (LRA)	33	41
	With (3) Solar Panel 825W	EER Btuh/w	68.6	26.7	Compressor	Voltage	208~230/1/60
With (4) Solar Panel 1100W	EER Btuh/w	400.0	45.0	Range (min~max)	min 187 ~ max 253		
	With (5) Solar Panel 1375W	EER Btuh/w	144.0	Cooling Power Input W (min~max)	1000 (120~1450)	1500 (300~2650)	
Refrigerant Control		Electronic Exp. Valve @ Outdoor Unit		Electrical	Cooling Power Current (A)	5.2	7.5
Fan	Type	Cross Flow Fan			Rated Current (A)	7.5	13.5
	Speed	4	4		Min. Circuit Amps (MCA)	6.1	11.4
	Air Flow CFM (m³/hr) - Hi	300 (510)	795 (1350)		Max Fuse Amps (MOCP)	10	15
	Noise Level (dbA) Hi/Lo	40/26	46/35	Refrigerant R410A (oz./kgs.)	45.9 / 1.30 51.1 / 1.45		
Motor Output (Watts)	20	20	Refrigerant	Type	Flare		
Indoor Coil Type:		Grooved Copper Tubes - Aluminum Blue Slit Fin		Connections inches (mm)	Liquid	1/4 (6.35)	1/4 (6.35)
Air Filter		Cleanable Cartridge Type		Suction	3/8 (9.52) 1/2 (12.7)		
Electrical	Voltage	208~230/1/60		Max. Pipe	Height	33 (10)	50 (15)
	FLA	0.20	0.25	Distance Ft.(m)	Length	67 (20)	98 (30)
Controls		LCD Wireless Remote Control		Dimensions inches (mm)	Height	21 1/4 (540)	27 1/2 (700)
Refrigerant Connections inches (mm)		See Outdoor Unit Data			Width	33 1/3 (848)	35 (890)
Drain Connections inches (mm)		1/2 (12)	1/2 (12)		Depth	12 5/8 (320)	13 1/3 (340)
Dimensions inches (mm)	Height	10 7/8 (275)	11 3/4 (298)	Net Weight	Lbs (kgs)	88.2 (40)	110.2 (50)
	Width	33 1/4 (845)	37 (940)	Notes:			
	Depth	7 1/8 (180)	7 7/8 (200)	1. System can be installed with maximum 4 & 5 solar panels of 275 W rated Output for 12k & 18k models.			
Net Weight	Lbs (kgs)	24.3 (11)	28.7 (13)	2. Cooling efficiencies (EER) show with solar panels were calculated for Nominal Cooling Capacity delivered with peak output of solar panels.(12-5 pm operation @ 95°F outside ambient and 80/67°F DB/WB Indoor Temperature.)			



Standard Wireless Controller

Notes:

1. Ratings are based on indoor and outdoor connected by 25ft (7.5m) of tubing.
2. Refrigerant metering device is installed at the outdoor unit as standard.
3. Flare fittings are provided for connecting indoor and outdoor units.
4. Insulation of both liquid and suction line is required.
5. Outdoor units are shipped with full operating charge.
6. For details of model number nomenclature, please refer to publication OMGNM-0615.

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Notes: Design, specification and performance data is subject to change without notice. Certifications and emblems shown are applicable to selected models only. Please contact Omega for details.