

OMEGA INVERTER TECHNOLOGY

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



ISWG SERIES

High Wall Air Conditioner
Inverter Split Cooling Unit

Cooling Nominal: 9,000-24,000 Btuh (2.7-7.1 kW)

Product Features

- ✓ 16 SEER in cooling mode.
- ✓ Auto Restart.
- ✓ Self-Diagnosis.
- ✓ Anti-Mildew Dry Technology.
- ✓ Low Voltage Start Up.
- ✓ 3 meters Cu/Cu Connecting Pipe.
- ✓ R410a Refrigerant.
- ✓ ETL listed & AHRI Certified.

Outdoor Unit Features

- ✓ DC Inverter Rotary Compressor.
- ✓ Designed for cooling @ 43C °/109F ° ambient.
- ✓ Super Quiet Operation.
- ✓ High Efficiency Coils with cooper tubes/Aluminum Fins.
- ✓ Corrosion resisting cabinet with Protective Coating.
- ✓ Soft Start (for 009 & 012 models).

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).
- ✓ Auto Restart.
- ✓ Indicating light display (LED).
- ✓ Easy Connect Flare Connections.



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OTEC
AIR CONDITIONING

A Product of
OMEGA
Environmental
Technologies LLC.

ISO 14001 ISO 9001

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INDOOR UNIT

MODEL NO.	ISWG	009I 2A-RWG028	012I 2A-RWG035	018I 2A-RWG053	024I 2A-RWG070
Cooling Capacity Btuh (kw)	Nominal	9,000 (2.6)	12,000 (3.5)	18,000 (5.3)	22,000 (6.5)
	Minimum	5,000 (1.5)	3,600 (1.1)	7,170 (2.1)	8,632 (2.5)
	Maximum	11,300 (3.3)	12,500 (3.7)	20,000 (5.9)	23,200 (6.8)
Efficiency	SEER	Btuh/w (w/w)	16.0 (4.7)	16.0 (4.7)	16.0 (4.7)
Refrigerant Control		Capillary Tube			
Fan	Type	Cross Flow Fan			
	Speed	4	4	4	4
	Air Flow CFM (m ³ /hr) - Hi	306 (520)	335 (570)	506 (860)	588 (1,000)
	Noise Level (dbA) Hi/Lo	41/28	42/30	48/35	51/39
	Motor (Watts)	20	20	20	60
Coil Type:		Grooved Copper Tubes - Aluminum Blue Slit Fin			
Air Filter		Cleanable Cartridge Type			
Electrical	Voltage	208/230-1-60			
	Range	min 187 - max 253			
	FLA	0.20	0.20	0.32	0.24
Controls		LCD Wireless Remote Control			
Refrigerant Connections inches (mm)		See Outdoor Unit Data			
Drain Connections inches (mm)		1/2 (12)	1/2 (12)	1/2 (12)	1/2 (12)
Dimensions inches (mm)	Height	10 7/8 (275)	10 7/8 (275)	11 3/4 (298)	12 3/8 (315)
	Width	33 1/4 (845)	33 1/4 (845)	37 (940)	39 5/8 (1007)
	Depth	7 1/8 (180)	7 1/8 (180)	7 7/8 (200)	8 5/8 (219)
Net Weight	Lbs (kgs)	20 (9)	22 (10)	27 (12)	32 (15)

OUTDOOR UNIT

MODEL NO.	ISHG	009I 2A-RLG028	012I 2A-RLG035	018I 2A-RLG053	024I 2A-RLG070
Compressor Type		DC Inverter Rotary			
Outdoor Fan	No of Fans	1	1	1	1
	Noise Level (dbA)	52	53	56	59
Coil Type:		Grooved Copper Tubes - Aluminum Blue Slit Fin			
Electrical	Voltage	208/230-1-60			
	Range (min-max)	min 187 - max 253			
	Running Amps (RLA)	7.3	7.3	7.2	7.2
	Cooling Pwr. Input Nom. (W)	942	942	1440	1440
	Min. Circuit Amps (MCA)	10	10	14	15
	Max Fuse Amps (MOCP)	15	15	15	20
Refrigerant R410A (oz./kgs.)		25.0 / 0.71	35.1 / 1.0	42.1 / 1.2	54.5 / 1.6
Refrigerant Connections inches (mm)	Type	Flare			
	Liquid	1/4 (6)	1/4 (6)	1/4 (6)	1/4 (6)
	Suction	3/8 (10)	3/8 (10)	1/2 (12)	5/8 (16)
Max Pipe Distance Ft.(m)	Height	33 (10)	33 (10)	33 (10)	33 (10)
	Length	49 (15)	66 (20)	82 (25)	82 (25)
Dimensions inches (mm)	Height	21 5/8 (550)	21 5/8 (550)	27 1/2 (700)	27 1/2 (700)
	Width	28 (710)	28 (710)	37 5/8 (955)	37 5/8 (955)
	Depth	12 1/2 (318)	12 1/2 (318)	15 5/8 (396)	15 5/8 (396)
Net Weight	Lbs (kgs)	62 (28)	66 (30)	97 (44)	108 (49)

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Standard Wireless Controller

Notes:

- Nominal capacities are based on ARI standards 210/240-89, air entering the indoor coil operating at high fan speed for 220V-240V setting. Cooling: 80/67 ° F (27/19° C) DB/WB indoor & 95° F (35° C) outdoor ambient temperature.
- Ratings are based on indoor and outdoor connected by 25ft (7.5m) of tubing.
- Refrigerant metering device is installed at the outdoor unit as standard.
- Flare fittings are provided for connecting indoor and outdoor units.
- Insulation of both liquid and suction line is required.
- Outdoor units are shipped with full operating charge.
- For details of model number nomenclature, please refer to publication OMGNM-1214.

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