

OMEGA INVERTER TECHNOLOGY

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



ISWG/ISWH SERIES High Wall Heat Pump System Smart Inverter Split Efficiency Class: A to A++ 220/1/50Hz

Cooling Nominal: 9,000-36,000 Btuh (2.7-10.6 kW)
Heating Nominal: 9,500-37,000 Btuh (2.8-10.9 kW)

Product Features

- ✓ Up to 21.5 SEER in cooling mode.
- ✓ Auto Restart.
- ✓ Anti-Mildew Dry Technology.
- ✓ Self-Diagnosis.
- ✓ Low Voltage Start Up.
- ✓ Low Ambient Cooling.
- ✓ Electronic Expansion Valve.
- ✓ 3 meters Cu/Cu Connecting pipe.
- ✓ R410a Refrigerant.
- ✓ ETL Listed & AHRI Certified.

Outdoor Unit Features

- ✓ DC Inverter Rotary Compressor.
- ✓ Electronic Expansion Valve.
- ✓ Designed for Cooling @ 43C^o/109F^o Ambient.
- ✓ Super Quiet Operation.
- ✓ High Efficiency Coils with Hydrophilic Fins.
- ✓ Corrosion Resisting Cabinet with Protective Coating.
- ✓ Soft Start.

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.
- ✓ Easy Connect Flare Connections.
- ✓ Indicating Light Display (LED).

OMEGA



OTEC
AIR CONDITIONING

A Product of
OMEGA
Environmental
Technologies LLC.

ISO 14001 ISO 9001

OMEGA INVERTER TECHNOLOGY

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

INDOOR UNIT

MODEL NO.	IS - -	WG009P 3A-RWJ028	WG012P 3A-RWH035	WG018P 3A-RWI053	WG024P 3A-RWH070	WH036P 3A-RWL105
Cooling Capacity Btuh (kw)	Nominal	9,000 (2.6)	12,000 (3.5)	18,000 (5.3)	24,000 (7.0)	36,000 (10.5)
	Minimum	1,500 (0.5)	2,000 (0.6)	4,094 (1.2)	8,632 (2.5)	13,648 (4.0)
	Maximum	11,670 (3.4)	14,850 (4.4)	22,240 (6.6)	23,710 (6.9)	36,920 (10.8)
Heating Capacity Btuh (kw)	Nominal	9,500 (2.8)	12,500 (3.7)	19,000 (5.5)	25,000 (7.3)	37,000 (10.9)
	Minimum	1,500 (0.5)	2,000 (0.6)	3,753 (1.1)	8,632 (2.5)	12,624 (3.7)
	Maximum	14,000 (4.1)	17,500 (5.1)	20,472 (6.0)	25,931 (7.6)	40,262 (11.8)
Efficiency	SEER	Btuh/w (w/w) 19.1 (5.6)	17.4 (5.1)	18.4 (5.4)	17.4 (5.1)	21.5 (6.3)
	COP	Btuh/w (w/w) 10.9 (3.2)	11.5 (3.4)	11.3 (3.3)	10.7 (3.2)	13.0 (3.8)
	Energy Class	A, A+, A++	A+	A	A	A++
Refrigerant Control		Electronic Exp. Valve		Capillary Tube		E. Exp. Valve
Fan	Type	Cross Flow Fan				
	Speed	4	4	4	4	7
	Air Flow CFM (m³/hr) - Hi	353 (600)	400 (680)	471 (800)	588 (1,000)	765 (1,300)
	Noise Level (dBa) Hi/Lo	41/24	42/25	49/35	51/37	52/35
	Motor Output (Watts)	10	10	20	35	70
Coil Type:		Grooved Copper Tubes - Aluminum Blue Slit Fin				
Air Filter		Cleanable Cartridge Type				
Electrical	Voltage	220/240-1-50				
	Range	min 198 - max 264				
	FLA	0.16	0.16	0.31	0.31	0.47
Controls		LCD Wireless Remote Control				
Refrigerant Connections inches (mm)		See Outdoor Unit Data				
Drain Connections inches (mm)		5/8 (16)	5/8 (16)	5/8 (16)	5/8 (16)	5/8 (16)
Dimensions inches (mm)	Height	11 1/8 (283)	11 1/8 (283)	12 (305)	12 1/2 (319)	12 3/4 (326)
	Width	30 1/3 (770)	30 1/3 (770)	34 (865)	39 5/8 (1007)	53 (1350)
	Depth	7 7/8 (201)	7 7/8 (201)	8 1/2 (215)	8 5/8 (221)	10 (253)
Net Weight	Lbs (kgs)	18 (8)	20 (9)	27 (12)	32 (14.5)	44 (20)

OUTDOOR UNIT

MODEL NO.	IS - -	HG009P 3A-RLJ028	HG012P 3A-RLH035	HG018P 3A-RLI053	HG024P 3A-RLH070	HH036P 3A-RLI105
Outdoor Fan	No of Fans	1	1	1	1	1
	Noise Level (dBa)	51	52	55	58	65
Coil Type:		Grooved Copper Tubes - Aluminum Blue Slit Fin				
Compressor	Type	DC Inverter Rotary				
	Compressor Pwr Input (W)	942	942	1440	1440	4450
	Locked Rotor Amps (LRA)	20.0	20.0	25.0	25.0	67
	Rated Amps (RLA)	4.5	4.5	7.2	7.2	21.0
Electrical	Voltage	220/240-1-50				
	Range (min~max)	198 ~ 264				
	FLA (Outdoor Fan)	0.24	0.30	0.28	0.50	0.54
	Cooling Pwr. Input Nom. (W)	870	1150	1600	2180	2415
	Min. Circuit Amps (MCA)	6.0	6.1	9.6	9.8	26.8
	Max Fuse Amps (MOCP)	10	10	15	15	45
Refrigerant R410 (oz./kgs.)		24.7 / 0.71	35.0 / 1.0	45.9 / 1.3	63.5 / 1.8	119.9 / 3.4
Refrigerant Connections inches (mm)	Type	Flare				
	Liquid	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)
	Suction	3/8 (9.52)	3/8 (9.52)	1/2 (12.7)	5/8 (15.9)	3/4 (19.05)
MAX Pipe Distance Ft.(m)	Height	33 (10)	33 (10)	33 (10)	33 (10)	66 (20)
	Length	49 (15)	67 (20)	82 (25)	82 (25)	98 (30)
Dimensions inches (mm)	Height	21 1/4 (540)	21 1/4 (540)	27 1/2 (700)	31 1/8 (790)	43 1/2 (1105)
	Width	30 1/2 (776)	33 5/8 (848)	38 (965)	39 3/8 (1000)	39 3/8 (1000)
	Depth	12 5/8 (320)	12 5/8 (320)	15 5/8 (396)	16 3/4 (427)	17 1/3 (440)
Net Weight	Lbs (kgs)	62 (28)	66 (30)	101 (46)	122 (56)	198 (90)

ISWG/ISWH SERIES High Wall Heat Pump System Smart Inverter Split Efficiency Class: A to A++ 220/1/50Hz

Cooling Nominal: 9,000-36,000 Btuh (2.7-10.6 kW)
Heating Nominal: 9,500-37,000 Btuh (2.8-10.9 kW)



Standard Wireless Controller for ISWG



Standard Wireless Controller for ISWH

Notes:

- Nominal Capacities are based on ~ air entering the indoor coil at 80/67° F (27/19° C), DB/WB indoor & 91° (33° C) ambient temperature entering with indoor fan operating at high speed for 220-240 V, 50Hz operation.
- Ratings are based on indoor and outdoor connected by 16ft (5 m) of tubing.
- Refrigerant metering device is installed in 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 factory tested and fully charge with R410a Refrigerant gas.
- For details of model number nomenclature, please refer to publication OMGNM-0215.

OMEGA

ENVIRONMENTAL TECHNOLOGIES LLC.

17702 Mitchell North, #101
Irvine, CA 92614, USA
Tel: 714 795 2830
Fax: 714 966 1649
info@omegainverter.com
www.omegainverter.com



OTEC

AIR CONDITIONING
Showroom & Technology Center
11380 Interchange Circle North
Miramar, FL 33025 . USA
Tel: 305 731 2140, 888 840 7550
Fax: 954 212 8280
info@otecus.com
www.otecus.com

ISO 14001 ISO 9001