

OMEGA INVERTER TECHNOLOGIES

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



ISWH SERIES

High Wall Air Conditioners
Inverter Split Cooling Unit

Cooling Nominal: 9,000-36,000 Btuh (2.8-10.5 kW)

Product Features

- ✓ Up to 22 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.

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).

Outdoor Unit Features

- ✓ DC Inverter Rotary Compressor.
- ✓ Electronic Expansion Valve.
- ✓ Designed for Cooling @ 43C °/109F ° Ambient.
- ✓ Super Quiet Operation.
- ✓ High Efficiency Coils with Hydrophilic Fins.
- ✓ Corrosion Resisting Cabinet with Protective Coating.
- ✓ Soft Start (for 009 & 036 Models).



OMEGA



OTEC
AIR CONDITIONING

A Product of
OMEGA
Environmental
Technologies LLC.

ISO 14001 ISO 9001

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INDOOR UNIT						
MODEL NO.	ISWH	009I 2A-RWM028	012I 2A-RWK035	018I 2A-RWI053	024I 2A-RWI070	036I 2A-RWG105
Cooling Capacity Btuh (kw)	Nominal	9,000 (2.8)	12,000 (3.5)	18,000 (5.3)	24,000 (7.0)	36,000 (10.5)
	Minimum	3,500 (1.0)	3,100 (0.9)	5,970 (1.8)	9,600 (2.8)	7,400 (4.2)
Efficiency	Maximum	9,600 (3.2)	13,000 (3.8)	22,350 (6.6)	25,000 (7.3)	36,000 (10.5)
	SEER	Btuh/w (w/w)	22 (6.3)	20 (5.7)	18 (5.3)	18 (5.3)
Refrigerant Control		Electronic Expansion Valve @ Outdoor Unit				
Fan	Type	Cross Flow Fan				
	Speed	4	4	4	4	4
	Air Flow CFM (m ³ /hr) - Hi	306 (520)	335 (570)	500 (850)	588 (1,000)	824 (1,400)
	Noise Level (dba) Hi/Lo	42/32	44/33	49/35	53/37	59/53
	Motor (Watts)	20	20	20	60	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	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	10 7/8 (275)	10 7/8 (275)	11 3/4 (298)	12 3/8 (315)	12 7/8 (326)
	Width	33 1/4 (845)	33 1/4 (845)	37 (940)	39 5/8 (1007)	53 1/8 (1350)
	Depth	7 1/8 (180)	7 1/8 (180)	7 7/8 (200)	8 5/8 (246)	10 (253)
Net Weight	Lbs (kgs)	24 (11)	24 (11)	29 (13)	36 (16)	44 (20)

OUTDOOR UNIT						
MODEL NO.	ISHH	009I 2A-RLM028	012I 2A-RLK035	018I 2A-RLI053	024I 2A-RLI070	036I 2A-RMG105
Compressor Type		DC Inverter Rotary				
Outdoor Fan	No of Fans	1	1	1	1	1
	Noise Level (dba)	50	52	56	58	65
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)	3.2	3.2	4.1	4.9	13.5
	Cooling Pwr. Input Nom. (W)	860	860	1200	1420	3010
	Min. Circuit Amps (MCA)	4.3	4.3	5.7	7.5	18.1
	Max Fuse Amps (MOCP)	15	15	15	15	30
Refrigerant R410 (oz./kgs.)	45.9 / 1.30 45.9 / 1.30 49.4 / 1.4 56.5 / 1.6 91.7 / 2.6					
Refrigerant Connections inches (mm)	Type	Flare				
	Liquid	1/4 (6)	1/4 (6)	1/4 (6)	1/4 (6)	1/4 (6)
MAX Pipe Distance Ft.(m)	Suction	3/8 (10)	3/8 (10)	1/2 (12)	5/8 (16)	5/8 (16)
	Height	33 (10)	33 (10)	33 (10)	33 (10)	33 (10)
Dimensions inches (mm)	Length	49 (15)	67 (20)	82 (25)	82 (25)	67 (30)
	Height	21 1/4 (540)	23 1/4 (590)	27 1/2 (700)	31 1/8 (790)	31 1/8 (790)
	Width	33 3/8 (848)	33 3/8 (848)	37 5/8 (955)	38 5/8 (980)	38 5/8 (980)
Net Weight	Depth	12 5/8 (320)	12 5/8 (320)	15 5/8 (396)	16 3/4 (427)	16 3/4 (427)
	Lbs (kgs)	79 (36)	88 (40)	99 (45)	120 (54)	160 (73)

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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 OGMNM-0515.

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