

TROPICAL INVERTER



ASGA12CLWA-B



ASGA18CLWA-B



ASGA22CLWA-B

CLW Series

Star Rating:



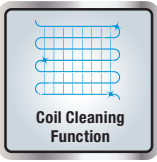
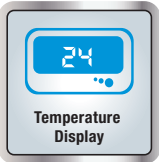
Model Number: ASGA12CLWA-B



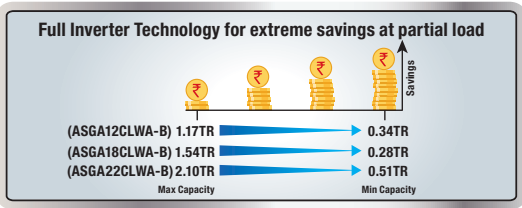
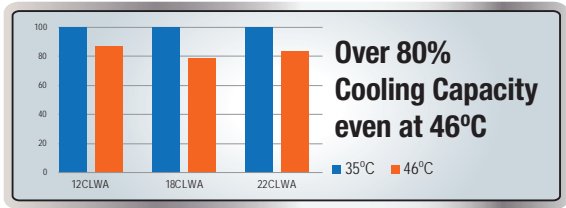
ASGA18CLWA-B



ASGA22CLWA-B



Wireless Remote



TECHNICAL SPECIFICATIONS

PARAMETERS	IDU Model Number	ASGA12CLWA-B	ASGA18CLWA-B	ASGA22CLWA-B
	ODU Model Number	AOGA12CLWA-B	AOGA18CLWA-B	AOGA22CLWA-B
BEE Star Rating	-	3	3	3
Tonnage (Min-Max Cooling Capacity)	TR	1.0 (0.34~1.17)	1.5 (0.28~1.54)	1.8 (0.51~2.10)
Power Supply	Ph-Hz-V	1φ-50-230		
Running Current	A	5.2	7.3	8.5
Standard Cooling at 100% Capacity (Min-Max)	W	3,550 (1200~4100)	5,100 (1000~5400)	6,450 (1800~7400)
Standard Cooling at 50% Capacity	W	1,710	2,550	3,250
Power Consumption at 100% Capacity (Min-Max)	W	1,140 (280~1500)	1,680 (280~1800)	1,920 (450~2350)
Power Consumption at 50% Capacity	W	397	575	730
EER at 100% Capacity	W/W	3.11	3.04	3.36
EER at 50% Capacity	W/W	4.31	4.43	4.45
Rated ISEER	kWh/kWh	3.99	3.99	4.19
Electricity Consumption per Annum	kWh	689	989	1191
Moisture Removal	l/h	1.6	1.8	2.0
Indoor Fan Speed Control Levels	-	4	4	4
Indoor Airflow Volume-Powerful	m3/h	550	850	1250
Indoor Airflow Distance	m	10	15	15
Indoor Unit Dimensions HxWxD	mm	275X790X200	300X970X224	325X1,078X246
Indoor Unit Net Weight	kg	9.0	13.5	17.0
Outdoor Unit Dimensions HxWxD	mm	555X732X330	555X732X330	555X873X376
Outdoor Unit Net Weight	kg	23.0	24.0	33.5
Indoor Noise Level-Low	dB(A)	26	33	37
Connection Pipe (Gas / Liquid)	mm	9.52 / 6.35	12.70 / 6.35	15.88 / 6.35
Pipe Length Min-Max (Precharged)	m	3~20 (5)	3~25 (5)	3~25 (5)
Max Height Difference	m	10	10	10
Ambient Operating Temperature Range	°C	18°C ~ 50°C	18°C ~ 50°C	18°C ~ 50°C
Operating Voltage Range	V	185V ~ 264V	185V ~ 264V	185V ~ 264V
Refrigerant Type	Non-CFC	R32	R32	R32
Compressor Type	-	Tropical Rotary	Tropical Rotary	Tropical Twin Rotary
Evaporator & Condenser Coil Material	-	Copper	Copper	Copper

*Specifications, design and features are subject to change without prior notice for further development. The above models conform to energy labelling as per BEE regulation. Specifications are based on the following conditions. Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.Pipe length : 5.0 m Voltage : 230 [V]. Piping can be extended to above length for full efficiency with additional charge of gas as per installation manual. The noise level is the value when measured in an anechoic room.





































INSTALLATION CHECK POINTS#






































Unit Capacity		1.0-Ton	1.5-Ton	1.8-Ton
Model No.		ASGA12CLWA-B	ASGA18CLWA-B	ASGA22CLWA-B
Check for Main Power Supply	Main Power Supply at	Indoor Unit		
	Main Power Source P & N	230 Volts/50Hz/ 1 Phase		
	Proper Earthing	Mandatory		
	Main Power N & E	± 3 Volts		
	Resistance (To be measured with ground test meter)	<25 Ohms		
ODU to IDU Wiring	Maximum Operating Current in A *1	7	7.3	10.5
	Starting Current in A	5.2	7.3	8.5
	Connection Cord ODU to IDU in mm2	1.5	1.5	1.5
	No. of Cores - ODU to IDU	4	4	4
	Power Cable in mm2	1.5	1.5	1.5
	No of Cores - Power Supply	3	3	3
	Connection cable limited wiring length in m *2	21	26	26
Piping Size & Thickness	Circuit Breaker Current in A	15	15	15
	Type of Gas	R32	R32	R32
	Copper Pipe Thickness in mm	0.8	0.8	1.0
	Pipe size-Liquid in mm	Ø 6.35	Ø 6.35	Ø 6.35
Pipe Limitation & Additional Refrigerant Charge	Pipe size-Suction in mm	Ø 9.52	Ø 12.70	Ø 15.88
	Minimum Pipe Length in m	3	3	3
	Maximum Pipe Length in m	20	25	25
	Maximum Height Difference in m	10	10	10
	Pre-Charged Refrigerant in g	380	680	900
	Standard Refrigerant Pre-Charged in m	5	5	5
Additional Charge in g/m				
NEVER USE THE OLD INSTALLATION PIPE FOR NEW SYSTEM.				

Information is subject to change without prior notice

*1: Maximum operating current is the total current of the indoor unit and the outdoor unit.

*2: Limit voltage drop to less than 2%. If voltage drop is 2% or more, increase cable conductor size.

FEATURES		INVERTER SPLIT - COOLING						
		ASGG18CETA-B	ASGG24CETA-B	ASGG30CETA-B	ASGG36CETA-B	ASGG12CGTB-B	ASGG18CGTB-B	ASGG24CGTB-B
COMFORT	 UP / DOWN LOUVERS	o	o	o	o	o	o	o
	 LEFT / RIGHT SWING LOUVERS	o	o	o	o	-	o	o
	 DOUBLE SWING AUTOMATIC -3D	o	o	o	o	-	o	o
	 POWER AIRFLOW DUAL LOUVERS	o	o	o	o	SINGLE	SINGLE	SINGLE
	 WIDE ANGLE LOUVERS	o	o	o	o	o	o	o
	 AUTOMATIC AIRFLOW ADJUSTMENT	o	o	o	o	o	o	o
	 QUIET OPERATION	o	o	o	o	o	o	o
	 DRY FUNCTION	o	o	o	o	o	o	o
	 AUTO - MOISTURE PREVENTION	o	o	o	o	o	o	o
	 ENERGY SAVING MODE	-	-	-	-	o	o	o
CONVENIENCE	 ADVANCED FREQUENCY MODULATION	o	o	o	o	o	o	o
	 COANDA AIRFLOW	o 18m	o 20m	o 25m	o 25m	o 10m	o 15m	o 15m
	 POWERFUL MODE	o	o	o	o	o	o	o
	 MILDEW RESISTANT FILTER	o	o	o	o	o	o	o
	 PM 2.5 FILTER	o	o	o	o	o	o	o
	 COMPRESSOR INSULATION JACKET	o	o	o	o	o	o	o
	 FAN SPEED CONTROL LEVELS	6	6	6	6	5	5	5
	 WASHABLE PANEL	o	o	o	o	o	o	o
	 SLEEP TIMER	o	o	o	o	o	o	o
	 HUMAN SENSOR	-	-	-	-	o	o	o
LONG LIFE	 ECONOMY MODE	-	-	-	-	o	o	o
	 WIRELESS REMOTE CONTROLLER	o	o	o	o	o	o	o
	 WIRED REMOTE CONTROLLER	o (Optional)	o (Optional)	o (Optional)	o (Optional)	o (Optional)	o (Optional)	o (Optional)
	 WLAN	o (Optional)	o (Optional)	o (Optional)	o (Optional)	o (Optional)	o (Optional)	o (Optional)
	 GROUP CONTROL SYSTEM	o (Optional)	o (Optional)	o (Optional)	o (Optional)	o (Optional)	o (Optional)	o (Optional)
	 BACKLIT REMOTE	-	-	-	-	o	o	o
	 0.5°C PRECISION TEMPERATURE CONTROL	-	-	-	-	o	o	o
	 AUTO RESTART	o	o	o	o	o	o	o
	 LONG PIPE	o	o	o	o	o	o	o
	 PROGRAM TIMER	o	o	o	o	o	o	o
PERFORMANCE	 CORROSION RESISTANT ODU	o	o	o	o	o	o	o
	 ANTI-CORROSION HEAT EXCHANGER IN IDU	o	o	o	o	o	o	o
	 POWDER COATED OUTDOOR UNIT	o	o	o	o	o	o	o
	 SILICON COATED PCB	o	o	o	o	o	o	o
	 HIGH VOLTAGE PROTECTION	o	o	-	-	o	o	o
	 BLUE FIN CONDENSER	o	o	o	o	o	o	o
	 CONDENSER PROTECTION GRILL	o	o	o	o	o	o	o
	 BLDC MOTOR INDOOR UNIT	o	o	o	o	o	o	o
	 INNER GROOVE COPPER TUBE	o	o	o	o	o	o	o
	 DUAL SUCTION INTAKE DESIGN	o	o	o	o	-	-	-
	 SELF DIAGNOSIS	o	o	o	o	o	o	o

FEATURES		INVERTER SPLIT - COOLING								
		ASGG12CPTB-B	ASGG18CPTB-B	ASGG24CPTB-B	ASGG12CPAA-B	ASGG18CPAA-B	ASGG24CPAA-B	ASGA12CLWA-B	ASGA18CLWA-B	ASGA22CLWA-B
COMFORT	 UP / DOWN LOUVERS	o	o	o	o	o	o	o	o	o
	 LEFT / RIGHT SWING LOUVERS	-	-	o	-	-	o	-	-	-
	 DOUBLE SWING AUTOMATIC - 3D	-	-	o	-	-	o	-	-	-
	 POWER AIRFLOW DUAL LOUVERS	SINGLE	SINGLE	SINGLE	SINGLE	SINGLE	SINGLE	SINGLE	SINGLE	SINGLE
	 WIDE ANGLE LOUVERS	o	o	o	o	o	o	o	o	o
	 AUTOMATIC AIRFLOW ADJUSTMENT	o	o	o	o	o	o	o	o	o
	 QUIET OPERATION	o	o	o	o	o	o	o	o	o
	 DRY FUNCTION	o	o	o	o	o	o	o	o	o
	 AUTO - MOISTURE PREVENTION	o	o	o	o	o	o	-	-	-
	 ENERGY SAVING MODE	o	o	o	o	o	o	-	-	-
CONVENIENCE	 ADVANCED FREQUENCY MODULATION	o	o	o	o	o	o	o	o	o
	 COANDA AIRFLOW	o 10m	o 15m	o 15m	o 10m	o 15m	o 15m	o 10m	o 15m	o 15m
	 POWERFUL MODE	o	o	o	o	o	o	o	o	o
	 MILDEW RESISTANT FILTER	o	o	o	o	o	o	o	o	o
	 PM 2.5 FILTER	o (Optional)	o (Optional)	o (Optional)	o (Optional)	o (Optional)	o (Optional)	-	-	-
	 COMPRESSOR INSULATION JACKET	o	o	o	o	o	o	o	o	o
	 FAN SPEED CONTROL LEVELS	5	5	5	5	5	5	4	4	4
	 WASHABLE PANEL	o	o	o	o	o	o	o	o	o
	 SLEEP TIMER	o	o	o	o	o	o	o	o	o
	 SENSOR FUNCTION	-	-	-	-	-	-	o	o	o
PERFORMANCE	 COIL CLEANING FUNCTION	-	-	-	-	-	-	o	o	o
	 COIL AUTO DRY FUNCTION	-	-	-	-	-	-	o	o	o
	 ECONOMY MODE	o	o	o	o	o	o	-	-	-
	 WIRELESS REMOTE CONTROLLER	o	o	o	o	o	o	o	o	o
	 GROUP CONTROL SYSTEM	-	-	-	o (Optional)	o (Optional)	o (Optional)	-	-	-
	 TEMPERATURE DISPLAY	-	-	-	-	-	-	o	o	o
	 AUTO RESTART	o	o	o	o	o	o	o	o	o
	 LONG PIPE	o	o	o	o	o	o	o	o	o
	 PROGRAM TIMER	o	o	o	o	o	o	-	-	-
	 CORROSION RESISTANT ODU	o	o	o	o	o	o	o	o	o
LONG LIFE	 ANTI-CORROSION HEAT EXCHANGER IN IDU	o	o	o	o	o	o	-	-	-
	 POWDER COATED OUTDOOR UNIT	o	o	o	o	o	o	o	o	o
	 SILICON COATED PCB	o	o	o	o	o	o	-	-	-
	 HIGH VOLTAGE PROTECTION	o	o	-	o	o	-	-	-	-
	 BLUE FIN CONDENSER	o	o	o	o	o	o	o	o	o
	 BLUE FIN EVAPORATOR	-	-	-	-	-	-	o	o	o
	 CONDENSER PROTECTION GRILL	o	o	o	o	o	o	-	-	o
	BLDC MOTOR INDOOR UNIT	o	o	o	o	o	o	-	-	-
	INNER GROOVE COPPER TUBE	o	o	o	o	o	o	o	o	o
	SELF DIAGNOSIS	o	o	o	o	o	o	-	-	-

* In order to use Self Diagnosis function, optional Wired Remote Controller has to be connected