

TROPICAL INNOVATION INVERTER



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CET Series

Star Rating:

Model Number: ASGG18CETB-B ASGG24CETB-B ASGG30CETB-B ASGG36CETB-B (LCAC)

Advanced Hyper Tropical Product Design

Double Swing Automatic-3D Airflow

Wide Voltage Range
155V ~ 280V (18/24)

Silicon Coated PCB for Long Life

High Voltage Protection 700V (18/24)

Coanda Airflow(30/36)

PM 2.5 Filter

Self Diagnosis

Wireless LAN (Optional)

10 YEAR WARRANTY ON INVERTER COMPRESSOR

5 YEAR WARRANTY ON INVERTER OUTDOOR PCB

With 3 Metres Piping
FREE STANDARD INSTALLATION

Over 80% Cooling Capacity even at 52°C

Anti-Corrosion Copper Heat Exchanger
Evaporator Epoxy Resin Coating Blue Fin Condenser

Full Inverter Technology for extreme savings at partial load



Wireless Remote



Wired Remote for Group Controller (Optional)

Dual Suction Intake Design

Long Reach Airflow

18m
ASGG18CETB-B
Air Circulation 1400 m³/hour

20m
ASGG24CETB-B
Air Circulation 1500 m³/hour

25m
ASGG30CETB-B
ASGG36CETB-B
Air Circulation 1630 m³/hour

*Design and features are subject to change without prior notice for further development. The above models conform to energy labelling as per BEE regulation. Please refer page 89 for specific modelwise features.

TECHNICAL SPECIFICATIONS

PARAMETERS	IDU Model Number	ASGG18CETB-B	ASGG24CETB-B	ASGG30CETB-B	ASGG36CETB-B
	ODU Model Number	AOGG18CEAB-B	AOGG24CEAB-B	AOGG30CEAB-B	AOGG36CEAB-B
BEE Star Rating	-	5	5	4	5
Tonnage (Min-Max Cooling Capacity)	TR	1.5 (0.38-1.65)	2.0 (0.50-2.20)	2.5 (0.87-2.75)	3.0 (1.05-3.00)
Power Supply	Ph-Hz-V	1ϕ-50-230			
Running Current	A	6.4	8.5	11.0	15.8
Standard Cooling at 100% Capacity (Min-Max)	W	5,280 (1320-5810)	7,040 (1760-7740)	8,800 (3080-9680)	10,560 (3700-10560)
Standard Cooling at 50% Capacity	W	2,640	3,520	4,400	5,280
Power Consumption at 100% Capacity (Min-Max)	W	1,390 (150-1650)	1,890 (340-2350)	2,500 (540-2680)	3,590 (540-3590)
Power Consumption at 50% Capacity	W	420	580	820	1,100
EER at 100% Capacity	W/W	3.80	3.72	3.52	2.94
EER at 50% Capacity	W/W	6.29	6.07	5.37	4.80
Rated ISEER	kWh/kWh	5.34	5.19	4.74	4.10
Electricity Consumption per Annum	kWh	766	1050	1438	1992
Moisture Removal	l/h	1.0	2.0	2.7	4.5
Indoor Fan Speed Control Levels	-	6	6	6	6
Indoor Airflow Volume-Powerful	m3/h	1400	1500	1630	1630
Indoor Airflow Distance	m	18	20	25	25
Indoor Unit Dimensions HxWxD	mm	340x1150x280	340x1150x280	340x1150x280	340x1150x280
Indoor Unit Net Weight	kg	16.0	16.0	16.0	16.0
Outdoor Unit Dimensions HxWxD	mm	632x799x290	716x820x315	716x820x315	788x940x320
Outdoor Unit Net Weight	kg	32.0	39	41	50.0
Indoor Noise Level-Quiet	dB(A)	28	30	32	32
Connection Pipe (Gas / Liquid)	mm	12.70 / 6.35	12.70 / 6.35	15.88 / 9.52	15.88 / 9.52
Pipe Length Min-Max (Precharged)	m	3-20 (15)	3-30 (15)	3-50 (20)	3-50 (20)
Max Height Difference	m	15	25	30	30
Ambient Operating Temperature Range	°C	18°C ~ 55°C	18°C ~ 55°C	18°C ~ 55°C	18°C ~ 55°C
Operating Voltage Range	V	155V ~ 280V	155V ~ 280V	155V ~ 265V	155V ~ 265V
High Voltage Protection	V	~700V	~700V	~450V	~450V
Refrigerant Type	Non-CFC	R32	R32	R32	R32
Compressor Type	-	Advanced Hyper Tropical Rotary	Advanced Hyper Tropical Twin Rotary	Advanced Hyper Tropical Twin Rotary	Advanced Hyper Tropical Twin Rotary
Evaporator & Condenser Coil Material	-	Copper	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		1.5-Ton	2.0-Ton	2.5-Ton	3.0-Ton
Model No.		ASGG18CETB-B	ASGG24CETB-B	ASGG30CETB-B	ASGG36CETB-B
Check for Main Power Supply	Main Power Supply at	OUTDOOR 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	9.7	12.0	15.0	19.8
	Starting Current in A	6.4	8.5	11.0	15.8
	Connection Cord ODU to IDU in mm2	1.5	1.5	1.5	1.5
	No. of Cores - ODU to IDU	4	4	4	4
	Power Cable in mm2	1.5	1.5	2.5	4.0
	No of Cores - Power Supply	3	3	3	3
	Connection cable limited wiring length in m *2	21	31	51	51
Piping Size & Thickness	Circuit Breaker Current in A	15	15	30	30
	Type of Gas	R32	R32	R32	R32
	Copper Pipe Thickness in mm	0.8	0.8	1.0	1.0
	Pipe size-Liquid in mm	Ø 6.35	Ø 6.35	Ø 9.52	Ø 9.52
Pipe Limitation & Additional Refrigerant Charge	Pipe size-Suction in mm	Ø 12.70	Ø 12.70	Ø 15.88	Ø 15.88
	Minimum Pipe Length in m	3	3	3	3
	Maximum Pipe Length in m	20	30	50	50
	Maximum Height Difference in m	15	25	30	30
	Pre-Charged Refrigerant in g	950	900	1,150	1,150
	Standard Refrigerant Pre-Charged in m	15	15	20	20
	Additional Charge in g/m	20	20	40	40
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 - HOT & COLD		
		ASGG18KJTA-B	ASGG24KJTA-B	ASGG30KJTA-B
COMFORT	 UP / DOWN LOUVERS	○	○	○
	 LEFT / RIGHT SWING LOUVERS	○	○	○
	 DOUBLE SWING AUTOMATIC - 3D	○	○	○
	 POWER AIRFLOW DUAL LOUVERS	SINGLE	SINGLE	○
	 WIDE ANGLE LOUVERS	○	○	○
	 AUTOMATIC AIRFLOW ADJUSTMENT	○	○	○
	 10°C HEAT OPERATION	○	○	○
	 QUIET OPERATION	○	○	○
	 DRY FUNCTION	○	○	○
	 AUTO - MOISTURE PREVENTION	○	○	○
CONVENIENCE	 ADVANCED FREQUENCY MODULATION	○	○	○
	 COANDA AIRFLOW	○ 15m	○ 15m	○ 20m
	 POWERFUL MODE	○	○	○
	 MILDEW RESISTANT FILTER	○	○	○
	 PM 2.5 FILTER	○	○	○
	 COMPRESSOR INSULATION JACKET	○	○	○
	 OUTDOOR LOW NOISE OPERATION	○	○	○
	 FAN SPEED CONTROL LEVELS	5	5	5
	 WASHABLE PANEL	○	○	○
	 SLEEP TIMER	○	○	○
LONG LIFE	 HUMAN SENSOR	○	○	○
	 ECONOMY MODE	○	○	○
	 WIRELESS REMOTE CONTROLLER	○	○	○
	 WIRED REMOTE CONTROLLER	○ (Optional)	○ (Optional)	○ (Optional)
	 WLAN	○ (Optional)	○ (Optional)	○ (Optional)
	 GROUP CONTROL SYSTEM	○ (Optional)	○ (Optional)	○ (Optional)
	 BACKLIT REMOTE	○	○	○
	 0.5°C PRECISE TEMPERATURE CONTROL	○	○	○
	 AUTO RESTART	○	○	○
	 LONG PIPE	○	○	○
PERFORMANCE	 PROGRAM TIMER	○	○	○
	 CORROSION RESISTANT ODU	○	○	○
	 ANTI-CORROSION HEAT EXCHANGER IN IDU	○	○	○
	 POWDER COATED OUTDOOR UNIT	○	○	○
	 SILICON COATED PCB	○	○	○
	 HIGH VOLTAGE PROTECTION	○	○	-
	 BLUE FIN CONDENSER	○	○	○
	 CONDENSER PROTECTION GRILL	○	○	○
	 BLDC MOTOR INDOOR UNIT	○	○	○
	 INNER GROOVE COPPER TUBE	○	○	○
	 DUAL SUCTION INTAKE DESIGN	-	-	○
	 SELF DIAGNOSIS	○	○	○

FEATURES		INVERTER SPLIT - COOLING									
		ASGG 18CETB-B	ASGG 24CETB-B	ASGG 30CETB-B	ASGG 36CETB-B	ASGG 12CGAA-B	ASGG 18CGAA-B	ASGG 24CGAA-B	ASGG 12CGWA-B	ASGG 18CGWA-B	ASGG 24CGWA-B
COMFORT	 UP / DOWN LOUVERS	○	○	○	○	○	○	○	○	○	○
	 LEFT / RIGHT SWING LOUVERS	○	○	○	○	-	○	○	-	○	○
	 DOUBLE SWING AUTOMATIC - 3D	○	○	○	○	-	○	○	-	○	○
	 POWER AIRFLOW DUAL LOUVERS	○	○	○	○	SINGLE	SINGLE	SINGLE	SINGLE	SINGLE	SINGLE
	 WIDE ANGLE LOUVERS	○	○	○	○	○	○	○	○	○	○
	 AUTOMATIC AIRFLOW ADJUSTMENT	○	○	○	○	○	○	○	○	○	○
	 QUIET OPERATION	○	○	○	○	○	○	○	-	-	-
	 DRY FUNCTION	○	○	○	○	○	○	○	○	○	○
	 AUTO - MOISTURE PREVENTION	○	○	○	○	○	○	○	-	-	-
	 ENERGY SAVING MODE	-	-	-	-	○	○	○	-	-	-
CONVENIENCE	 ADVANCED FREQUENCY MODULATION	○	○	○	○	○	○	○	○	○	○
	 COANDA AIRFLOW	○ 18m	○ 20m	○ 25m	○ 25m	○ 10m	○ 15m	○ 15m	○ 10m	○ 15m	○ 15m
	 POWERFUL MODE	○	○	○	○	○	○	○	○	○	○
	 MILDEW RESISTANT FILTER	○	○	○	○	○	○	○	-	-	-
	 PM 2.5 FILTER	○	○	○	○	○	○	○	-	-	-
	 COMPRESSOR INSULATION JACKET	○	○	○	○	○	○	○	-	-	-
	 FAN SPEED CONTROL LEVELS	6	6	6	6	5	5	5	6	6	6
	 WASHABLE PANEL	○	○	○	○	○	○	○	○	○	○
	 SLEEP TIMER	○	○	○	○	○	○	○	○	○	○
	 COIL AUTO DRY FUNCTION	-	-	-	-	-	-	-	○	○	○
LONG LIFE	 HUMAN SENSOR	-	-	-	-	○	○	○	-	-	-
	 ECONOMY MODE	-	-	-	-	○	○	○	-	-	-
	 WIRELESS REMOTE CONTROLLER	○	○	○	○	○	○	○	○	○	○
	 WIRED REMOTE CONTROLLER	○ (Optional)	○ (Optional)	○ (Optional)	○ (Optional)	○ (Optional)	○ (Optional)	○ (Optional)	-	-	-
	 WLAN	○ (Optional)	○ (Optional)	○ (Optional)	○ (Optional)	○ (Optional)	○ (Optional)	○ (Optional)	-	-	-
	 GROUP CONTROL SYSTEM	○ (Optional)	○ (Optional)	○ (Optional)	○ (Optional)	○ (Optional)	○ (Optional)	○ (Optional)	-	-	-
	 BACKLIT REMOTE	-	-	-	-	○	○	○	○	○	○
	 TEMPERATURE DISPLAY	-	-	-	-	-	-	-	○	○	○
	 TEMPERATURE DISPLAY LIGHT ON/OFF	-	-	-	-	-	-	-	○	○	○
	 0.50C PRECISE TEMPERATURE CONTROL	-	-	-	-	○	○	○	-	-	-
PERFORMANCE	 AUTO RESTART	○	○	○	○	○	○	○	○	○	○
	 LONG PIPE	○	○	○	○	○	○	○	○	○	○
	 PROGRAM TIMER	○	○	○	○	○	○	○	○	○	○
	 CORROSION RESISTANT ODU	○	○	○	○	○	○	○	○	○	○
	 ANTI-CORROSION HEAT EXCHANGER IN IDU	○	○	○	○	○	○	○	-	-	-
	 POWDER COATED OUTDOOR UNIT	○	○	○	○	○	○	○	○	○	○
	 CONFORMAL COATED PCB	○	○	○	○	○	○	○	○	○	○
	 HIGH VOLTAGE PROTECTION	○	○	-	-	○	○	○	-	-	-
	 BLUE FIN CONDENSER	○	○	○	○	○	○	○	○	○	○
	 BLUE FIN EVAPORATOR	-	-	-	-	-	-	-	○	○	○
	 CONDENSER PROTECTION GRILL	○	○	○	○	○	○	○	○	○	○
	 BLDC MOTOR INDOOR UNIT	○	○	○	○	○	○	○	○	○	○
	 INNER GROOVE COPPER TUBE	○	○	○	○	○	○	○	○	○	○
	 DUAL SUCTION INTAKE DESIGN	○	○	○	○	-	-	-	-	-	-
	 SELF DIAGNOSIS	○	○	○	○	○	○	○	○	○	○

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