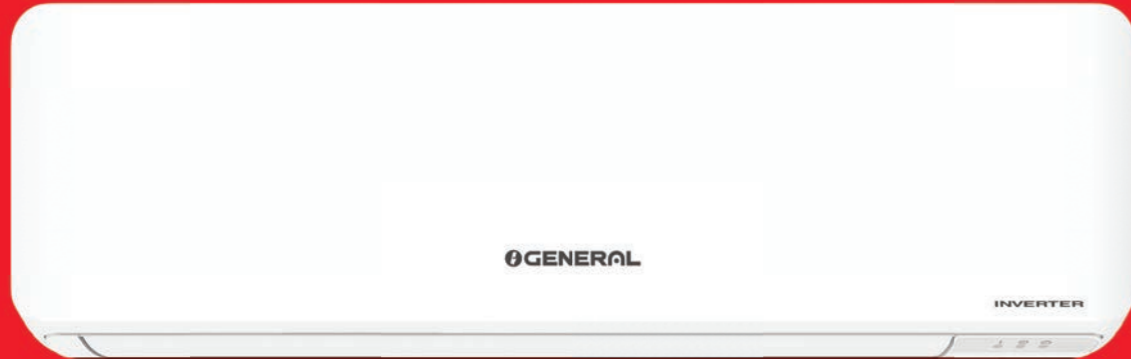


TROPICAL INVERTER



ASGG12CPTB-B
ASGG12CPAA-B
ASGG18CPTB-B
ASGG18CPAA-B



ASGG24CPTB-B
ASGG24CPAA-B

CPT/CPA Series

Star Rating:



Model Number: ASGG12CPTB-B
ASGG12CPAA-B

ASGG18CPTB-B
ASGG18CPAA-B

ASGG24CPTB-B
ASGG24CPAA-B



Advanced Hyper Tropical Product Design

Coanda Airflow (18/24)

Wide Voltage Range 155V ~ 280V (12/18)

Silicon Coated PCB for Long Life

High Voltage Protection 700V (12/18)

0.5°C Precision Temperature Control

5 Speed Fan Control

Powerful Mode

Quiet Operation

Higher Moisture Removal Rate

Self Diagnosis

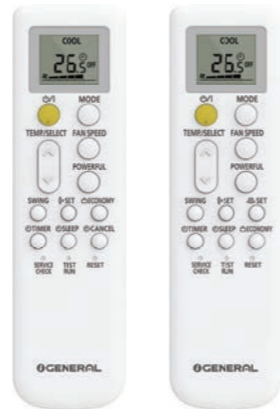
Double Double Swing Automatic-3D Airflow (24)

10 YEAR WARRANTY

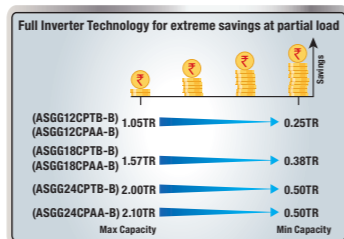
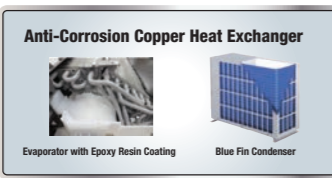
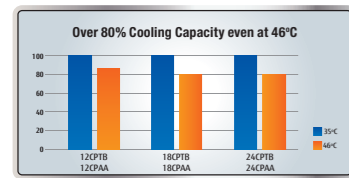
5 YEAR WARRANTY

3 METRES PIPING KIT INCLUDED

ASGG12CPTB-B
ASGG12CPAA-B
ASGG18CPTB-B
ASGG18CPAA-B
ASGG24CPTB-B
ASGG24CPAA-B



Wireless Remote



*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 87 for specific modelwise features.

TECHNICAL SPECIFICATIONS

PARAMETERS	IDU Model Number	ASGG12CPTB-B	ASGG18CPTB-B	ASGG24CPTB-B	ASGG12CPAA-B	ASGG18CPAA-B	ASGG24CPAA-B
	ODU Model Number	AOGG12CPTB-B	AOGG18CPTB-B	AOGG24CPTB-B	AOGG12CPAA-B	AOGG18CPAA-B	AOGG24CPAA-B
BEE Star Rating	-	3	3	3	3	3	3
Tonnage	TR	1.0	1.5	2.0	1.0	1.5	2.0
Power Supply	Ph-Hz-V	1φ-50-230					
Running Current	A	5.7	8.5	10.6	5.7	8.5	10.6
Standard Cooling at 100% Capacity (Min-Max)	W	3,520 (880-3700)	5,280 (1320-5540)	7,040 (1760-7040)	3520 (880-3700)	5280 (1320-5540)	7040 (1760-7390)
Standard Cooling at 50% Capacity	W	1,760	2,640	3,520	1,760	2,640	3,520
Power Consumption at 100% Capacity (Min-Max)	W	1,220 (210-1230)	1,880 (270-1960)	2,390 (190-2390)	1220 (200-1230)	1880 (270-1960)	2390 (240-2620)
Power Consumption at 50% Capacity	W	400	600	690	400	600	690
EER at 100% Capacity	W/W	2.89	2.81	2.95	2.89	2.81	2.95
EER at 50% Capacity	W/W	4.40	4.40	5.10	4.40	4.40	5.10
Rated ISEER	kWh/kWh	3.88	3.83	4.24	3.88	3.83	4.24
Electricity Consumption per Annum	kWh	702	1066	1286	702	1066	1286
Moisture Removal	l/h	1.5	1.9	2.7	1.5	1.9	2.7
Indoor Fan Speed Control Levels	-	5	5	5	5	5	5
Indoor Airflow Volume-High	m ³ /h	700	940	1170	700	940	1170
Indoor Airflow Distance	m	10	15	15	10	15	15
Indoor Unit Dimensions HxWxD	mm	270x834x222	270x834x239	280x980x240	270 x 834 x 239	270 x 834 x 239	280 x 980 x 240
Indoor Unit Net Weight	kg	9.5	10.5	12.5	10.0	11.0	12.5
Outdoor Unit Dimensions HxWxD	mm	541x663x290	541x663x290	632x799x290	541 x 663 x 290	541 x 663 x 290	632 x 799 x 290
Outdoor Unit Net Weight	kg	22.0	25.0	36.0	21.0	25.0	33.0
Indoor Noise Level-Quiet	dB(A)	22	28	29	22	28	30
Connection Pipe (Gas / Liquid)	mm	9.52 / 6.35	12.70 / 6.35	12.70 / 6.35	9.52 / 6.35	12.70 / 6.35	12.70 / 6.35
Pipe Length Min-Max (Precharged)	m	3-20 (10)	3-20 (10)	3-25 (15)	3-20 (10)	3-20 (10)	3-25 (15)
Max Height Difference	m	15	15	20	15	15	20
Ambient Operating Temperature Range	°C	18°C ~ 55°C	18°C ~ 55°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 ~ 280V	155V ~ 280V	155V ~ 265V
Refrigerant Type	Non-CFC	R32	R32	R32	R32	R32	R32
Compressor Type	-	Advanced Hyper Tropical Rotary	Advanced Hyper Tropical Rotary	Advanced Hyper Tropical Twin Rotary	Advanced Hyper Tropical Rotary	Advanced Hyper Tropical Rotary	Advanced Hyper Tropical Twin Rotary
Evaporator & Condenser Material	-	Copper	Copper	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	1.0-Ton	1.0-Ton	1.5-Ton	1.5-Ton	2.0-Ton	2.0-Ton	
Model No.	ASGG12CPTB-B	ASGG12CPAA-B	ASGG18CPTB-B	ASGG18CPAA-B	ASGG24CPTB-B	ASGG24CPAA-B	
Check for Main Power Supply	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	6.5	7.0	9.5	9.5	13.5	13.5
	Starting Current in A	5.7	5.7	8.5	8.5	10.6	10.6
	Connection Cord ODU to IDU in mm ²	1.5	1.5	1.5	1.5	1.5	1.5
	No. of Cores - ODU to IDU	4	4	4	4	4	4
	Power Cable in mm ²	1.5	1.5	1.5	1.5	1.5	1.5
	No of Cores - Power Supply	3	3	3	3	3	3
	Connection cable limited wiring length in m ²	21	21	21	21	26	26
Piping Size & Thickness	Circuit Breaker Current in A	15	15	15	15	15	15
	Type of Gas	R32	R32	R32	R32	R32	R32
	Copper Pipe Thickness in mm	0.8	0.8	0.8	0.8	0.8	0.8
	Pipe size-Liquid in mm	Ø 6.35	Ø 6.35	Ø 6.35	Ø 6.35	Ø 6.35	Ø 6.35
Pipe Limitation & Additional Refrigerant Charge	Pipe size-Suction in mm	Ø 9.52	Ø 9.52	Ø 12.70	Ø 12.70	Ø 12.70	Ø 12.70
	Minimum Pipe Length in m	3	3	3	3	3	3
	Maximum Pipe Length in m	20	20	20	20	25	25
	Maximum Height Difference in m	15	15	15	15	20	20
	Pre-Charged Refrigerant in g	500	450	550	550	1020	850
	Standard Refrigerant Pre-Charged in m	10	10	10	10	15	15
	Additional Charge in g/m	20	20	20	20	20	20

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
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
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
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
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
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	-	-	-
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
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
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	-	-	-