

TROPICAL INVERTER



ASGG12CPAA-B
ASGG18CPAA-B



ASGG24CPAA-B

CPA Series

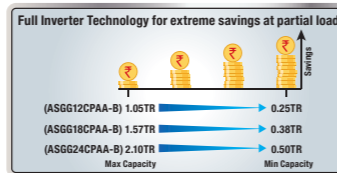
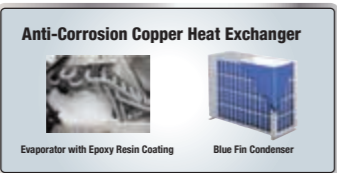
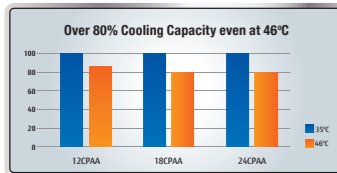
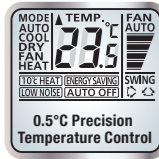
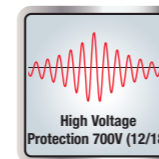
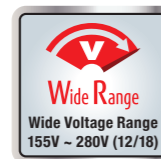
Star Rating:



Model Number: ASGG12CPAA-B

ASGG18CPAA-B

ASGG24CPAA-B



ASGG12CPAA-B
ASGG18CPAA-B
ASGG24CPAA-B



Wireless Remote

TECHNICAL SPECIFICATIONS

PARAMETERS	IDU Model Number	ASGG12CPAA-B	ASGG18CPAA-B	ASGG24CPAA-B
	ODU Model Number	AOGG12CPAA-B	AOGG18CPAA-B	AOGG24CPAA-B
BEE Star Rating	-	3	3	3
Tonnage (Min~Max Cooling Capacity)	TR	1.0 (0.25~1.05)	1.5 (0.38~1.57)	2.0 (0.50~2.10)
Power Supply	Ph-Hz-V	1φ-50-230		
Running Current	A	5.7	8.5	10.6
Standard Cooling at 100% Capacity (Min~Max)	W	3,520 (880~3700)	5,280 (1320~5540)	7,040 (1760~7390)
Standard Cooling at 50% Capacity	W	1,760	2,640	3,520
Power Consumption at 100% Capacity (Min~Max)	W	1220 (200~1230)	1880 (270~1960)	2390 (240~2620)
Power Consumption at 50% Capacity	W	400	600	690
EER at 100% Capacity	W/W	2.89	2.81	2.95
EER at 50% Capacity	W/W	4.40	4.40	5.10
Rated ISEER	kWh/kWh	3.88	3.83	4.24
Electricity Consumption per Annum	kWh	702	1066	1286
Moisture Removal	l/h	1.5	1.9	2.7
Indoor Fan Speed Control Levels	-	5	5	5
Indoor Airflow Volume-High	m3/h	700	940	1170
Indoor Airflow Distance	m	10	15	15
Indoor Unit Dimensions HxWxD	mm	270x834x239	270x834x239	280x980x240
Indoor Unit Net Weight	kg	10.0	11.0	12.5
Outdoor Unit Dimensions HxWxD	mm	541x663x290	541x663x290	632x799x290
Outdoor Unit Net Weight	kg	21.0	25.0	33.0
Indoor Noise Level-Quiet	dB(A)	22	28	30
Connection Pipe (Gas / Liquid)	mm	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)
Max Height Difference	m	15	15	20
Ambient Operating Temperature Range	°C	18°C ~ 55°C	18°C ~ 55°C	18°C ~ 55°C
Operating Voltage Range	V	155V ~ 280V	155V ~ 280V	155V ~ 265V
Refrigerant Type	Non-CFC	R32	R32	R32
Compressor Type	-	Advanced Hyper Tropical Rotary	Advanced Hyper Tropical Rotary	Advanced Hyper 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	2.0-Ton	
Model No.	ASGG12CPAA-B	ASGG18CPAA-B	ASGG24CPAA-B	
Check for Main Power Supply	Main Power Supply at			
	Main Power Source P & N			
	Proper Earthing			
	Main Power N & E			
	Resistance (To be measured with ground test meter)			
ODU to IDU Wiring	OUTDOOR UNIT			
	230 Volts / 50Hz / 1 Phase			
	Mandatory			
	± 3 Volts			
	<25 Ohms			
	Maximum Operating Current in A ^{#1}	7.0	9.5	13.5
	Starting Current in A	5.7	8.5	10.6
Connection Cord ODU to IDU in mm ²	1.5	1.5	1.5	
No. of Cores - ODU to IDU	4	4	4	
Power Cable in mm ²	1.5	1.5	1.5	
No of Cores - Power Supply	3	3	3	
Connection cable limited wiring length in m ^{#2}	21	21	26	
Circuit Breaker Current in A	15	15	15	
Piping Size & Thickness	Type of Gas	R32	R32	R32
	Copper Pipe Thickness in mm	0.8	0.8	0.8
	Pipe size-Liquid in mm	Ø 6.35	Ø 6.35	Ø 6.35
	Pipe size-Suction in mm	Ø 9.52	Ø 12.70	Ø 12.70
Pipe Limitation & Additional Refrigerant Charge	Minimum Pipe Length in m	3	3	3
	Maximum Pipe Length in m	20	20	25
	Maximum Height Difference in m	15	15	20
	Pre-Charged Refrigerant in g	450	550	850
	Standard Refrigerant Pre-Charged in m	10	10	15
Additional Charge in g/m	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		
	ASGG12CPAA-B	ASGG18CPAA-B	ASGG24CPAA-B
UP / DOWN LOUVERS	o	o	o
LEFT / RIGHT SWING LOUVERS	-	-	o
DOUBLE SWING AUTOMATIC - 3D	-	-	o
POWER AIRFLOW DUAL LOUVERS	SINGLE	SINGLE	SINGLE
WIDE ANGLE LOUVERS	o	o	o
AUTOMATIC AIRFLOW ADJUSTMENT	o	o	o
QUIET OPERATION	o	o	o
DRY FUNCTION	o	o	o
AUTO - MOISTURE PREVENTION	o	o	o
ENERGY SAVING MODE	o	o	o
ADVANCED FREQUENCY MODULATION	o	o	o
COANDA AIRFLOW	o 10m	o 15m	o 15m
POWERFUL MODE	o	o	o
MILDEW RESISTANT FILTER	o	o	o
PM 2.5 FILTER	o (Optional)	o (Optional)	o (Optional)
COMPRESSOR INSULATION JACKET	o	o	o
FAN SPEED CONTROL LEVELS	5	5	5
WASHABLE PANEL	o	o	o
SLEEP TIMER	o	o	o
ECONOMY MODE	o	o	o
WIRELESS REMOTE CONTROLLER	o	o	o
GROUP CONTROL SYSTEM	o (Optional)	o (Optional)	o (Optional)
AUTO RESTART	o	o	o
LONG PIPE	o	o	o
PROGRAM TIMER	o	o	o
CORROSION RESISTANT ODU	o	o	o
ANTI-CORROSION HEAT EXCHANGER IN IDU	o	o	o
POWDER COATED OUTDOOR UNIT	o	o	o
CONFORMAL COATED PCB	o	o	o
HIGH VOLTAGE PROTECTION	o	o	-
BLUE FIN CONDENSER	o	o	o
BLUE FIN EVAPORATOR	-	-	-
CONDENSER PROTECTION GRILL	o	o	o
BLDC MOTOR INDOOR UNIT	o	o	o
INNER GROOVE COPPER TUBE	o	o	o
SELF DIAGNOSIS	o	o	o