

TROPICAL INVERTER



ASGG12CPAB-B
ASGG18CNAAB-B



ASGG18CPAB-B
ASGG24CPAB-B



Scan for product video

CPA/CNA Series

Star Rating:



Model Number: ASGG12CPAB-B

ASGG18CPAB-B

ASGG24CPAB-B

ASGG18CNAAB-B

ASGG12CPAB-B
ASGG18CNAAB-B

ASGG18CPAB-B
ASGG24CPAB-B



Wireless Remote



Wired Remote for Group Controller (Optional)

Advanced Hyper Tropical Product Design

Coanda Airflow (18/24)

Wide Voltage Range 155V ~ 280V

Silicon Coated PCB for Long Life

High Voltage Protection 700V

0.5°C Precision Temperature Control

5 Speed Fan Control

POWERFUL Powerful Mode

Quiet Operation

Higher Moisture Removal Rate

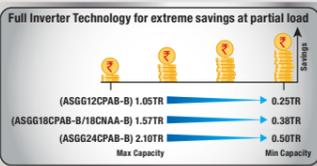
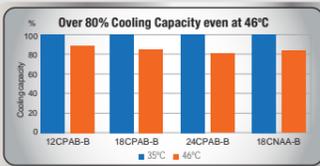
Self Diagnosis

Double Swing Automatic-3D Airflow (18/24CPAB)

10 YEAR WARRANTY ON INVERTER COMPRESSOR

5 YEAR WARRANTY ON INVERTER OUTDOOR PCB

With 3 Metres Piping FREE STANDARD INSTALLATION



TECHNICAL SPECIFICATIONS

PARAMETERS	IDU Model Number	ASGG12CPAB-B	ASGG18CPAB-B	ASGG24CPAB-B	ASGG18CNAAB-B
	ODU Model Number	AOGG12CPAB-B	AOGG18CPAB-B	AOGG24CPAB-B	AOGG18CNAAB-B
BEE Star Rating	-	3	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)	1.5 (0.38-1.57)
Power Supply	Ph-Hz-V	1φ-50-230			
Running Current	A	5.9	8.5	11.5	8.9
Standard Cooling at 100% Capacity (Min-Max)	W	3,520 (880-3700)	5,280 (1320-5540)	7,040 (1760-7390)	5,280 (1320-5540)
Standard Cooling at 50% Capacity	W	1,760	2,640	3,520	2,640
Power Consumption at 100% Capacity (Min-Max)	W	1,220 (220-1230)	1,840 (270-1940)	2,560 (380-2790)	1,960 (270-1960)
Power Consumption at 50% Capacity	W	400	550	745	570
EER at 100% Capacity	W/W	2.89	2.87	2.75	2.69
EER at 50% Capacity	W/W	4.40	4.80	4.72	4.63
Rated ISEER	kWh/kWh	3.88	4.05	3.94	3.86
Electricity Consumption per Annum	kWh	702	1008	1383	1059
Moisture Removal	l/h	1.5	1.9	2.7	1.9
Indoor Fan Speed Control Levels	-	5	5	5	5
Indoor Airflow Volume-High	m3/h	700	1170	1170	940
Indoor Airflow Distance	m	10	15	15	15
Indoor Unit Dimensions HxWxD	mm	270x834x239	280x980x240	280x980x240	270x834x239
Indoor Unit Net Weight	kg	10.0	12.5	12.5	10.0
Outdoor Unit Dimensions HxWxD	mm	541x663x290	541x663x290	632x799x290	541x663x290
Outdoor Unit Net Weight	kg	20.0	25.0	33.0	25.0
Indoor Noise Level-Quiet	dB(A)	22	28	30	28
Connection Pipe (Gas / Liquid)	mm	9.52 / 6.35	12.70 / 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)
Max Height Difference	m	15	15	20	15
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 ~ 280V	155V ~ 280V
High Voltage Protection	V	~700V	~700V	~700V	~700V
Refrigerant Type	Non-CFC	R32	R32	R32	R32
Compressor Type	-	Advanced Hyper Tropical Rotary	Advanced Hyper Tropical Rotary	Advanced Hyper Tropical Twin Rotary	Advanced Hyper Tropical 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	1.0-Ton	1.5-Ton	2.0-Ton	1.5-Ton	
Model No.	ASGG12CPAB-B	ASGG18CPAB-B	ASGG24CPAB-B	ASGG18CNAAB-B	
Check for Main Power Supply	Main Power Supply at				
	Main Power Source P & N				
	OUTDOOR UNIT				
	230 Volts/50Hz/ 1 Phase				
	Proper Earthing				
ODU to IDU Wiring	Mandatory				
	Main Power N & E				
	± 3 Volts				
	Resistance (To be measured with ground test meter)				
	<25 Ohms				
Piping Size & Thickness	Maximum Operating Current in A *1	8.5	11.5	13.5	10.0
	Starting Current in A	5.9	8.5	11.5	8.9
	Connection Cord ODU to IDU in mm ²	1.5	1.5	1.5	1.5
	No. of Cores - ODU to IDU	4	4	4	4
	Power Cable in mm ²	1.5	1.5	1.5	1.5
	No of Cores - Power Supply	3	3	3	3
	Connection cable limited wiring length in m *2	21	21	26	21
Pipe Limitation & Additional Refrigerant Charge	Circuit Breaker Current in A	15	15	15	15
	Type of Gas	R32	R32	R32	R32
	Copper Pipe Thickness in mm	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
NEVER USE THE OLD INSTALLATION PIPE FOR NEW SYSTEM.	Pipe size-Suction in mm	Ø 9.52	Ø 12.70	Ø 12.70	Ø 12.70
	Minimum Pipe Length in m	3	3	3	3
	Maximum Pipe Length in m	20	20	25	20
	Maximum Height Difference in m	15	15	20	15
	Pre-Charged Refrigerant in g	450	850	850	650
	Standard Refrigerant Pre-Charged in m	10	10	15	10
	Additional Charge in g/m	20	20	20	20

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						
		ASGG12CPAB-B	ASGG18CPAB-B	ASGG24CPAB-B	ASGG18CNAAB-B	ASGG12CKAA-B	ASGG18CKAA-B	ASGG22CKAA-B
CONVENIENCE	UP / DOWN LOUVERS	o	o	o	o	o	o	o
	LEFT / RIGHT SWING LOUVERS	-	o	o	-	-	-	o
	DOUBLE SWING AUTOMATIC -3D	-	o	o	-	-	-	o
COMFORT	POWER AIRFLOW DUAL LOUVERS	SINGLE	SINGLE	SINGLE	SINGLE	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	o	o	o	o
	ADVANCED FREQUENCY MODULATION	o	o	o	o	o	o	o
	COANDA AIRFLOW	o 10m	o 15m	o 15m	o 15m	o 10m	o 15m	o 15m
	POWERFUL MODE	o	o	o	o	o	o	o
LONG LIFE	MILDEW RESISTANT FILTER	o	o	o	o	o	o	o
	PM 2.5 FILTER	o (Optional)	o (Optional)	o (Optional)	o (Optional)	o (Optional)	o (Optional)	o (Optional)
	COMPRESSOR INSULATION JACKET	o	o	o	o	o	o	o
	FAN SPEED CONTROL LEVELS	5	5	5	5	5	5	5
	WASHABLE PANEL	o	o	o	o	o	o	o
	SLEEP TIMER	o	o	o	o	o	o	o
	ECONOMY MODE	o	o	o	o	o	o	o
	WIRELESS REMOTE CONTROLLER	o	o	o	o	o	o	o
	GROUP CONTROL SYSTEM	o (Optional)	o (Optional)	o (Optional)	o (Optional)	o (Optional)	o (Optional)	o (Optional)
	0.50C PRECISE TEMPERATURE CONTROL	o	o	o	o	o	o	o
PERFORMANCE	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
	CONFORMAL 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	
SELF DIAGNOSIS	o	o	o	o	o	o	o	

FEATURES		FIXED SPEED - COOLING						
		ASGA18BUTA-B	ASGA24BUTA-B	ASGA30BUTA-B	ASGA36BUTA-B	ASGA14BMAA-B	ASGA18BMAA-B	ASGA24BMAA-B
COMFORT	UP / DOWN LOUVERS	o	o	o	o	o	o	o
	LEFT / RIGHT SWING LOUVERS	o	o	o	o	-	-	-
	DOUBLE SWING AUTOMATIC - 3D	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	-	-	-
	DRY FUNCTION	o	o	o	o	o	o	o
	AUTO - MOISTURE PREVENTION	o	o	o	o	-	-	-
	COANDA AIRFLOW	o 18m	o 20m	o 25m	o 25m	o 10m	o 15m	o 15m
CONVENIENCE	POWERFUL MODE	o	o	o	o	o	o	o
	MILDEW RESISTANT FILTER	o	o	o	o	-	-	-
	FAN SPEED CONTROL LEVELS	6	6	6	6	6	6	6
	WASHABLE PANEL	o	o	o	o	o	o	o
	SLEEP TIMER	o	o	o	o	o	o	o
	WIRELESS REMOTE CONTROLLER	o	o	o	o	o	o	o
	BACKLIT REMOTE	-	-	-	-	o	o	o
	TEMPERATURE DISPLAY	-	-	-	-	o	o	o
	TEMPERATURE DISPLAY LIGHT ON/OFF	-	-	-	-	o	o	o
	AUTO RESTART	o	o	o	o	o	o	o
LONG LIFE	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
	POWDER COATED OUTDOOR UNIT	o	o	o	o	o	o	o
	CONFORMAL COATED PCB	o	o	o	o	o	o	o
	BLUE FIN CONDENSER	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
	INNER GROOVE COPPER TUBE	o	o	o	o	o	o	o
PERFORMANCE	DUAL SUCTION INTAKE DESIGN	o	o	o	o	-	-	-
	SELF DIAGNOSIS	o*	o*	o*	o*	o	o	o

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