

# EFFICIENT & TROPICAL INVERTER - HOT & COLD



ASGG18KJTA-B  
ASGG24KJTA-B



ASGG30KJTA-B

## KJT Series

Star Rating:



Model Number: ASGG18KJTA-B

ASGG24KJTA-B

ASGG30KJTA-B



**Advanced Hyper Tropical Product Design**

**Coanda Airflow (30)**

**Wide Voltage Range 155V ~ 265V**

**5 Star Rating (18/24)**

**PM 2.5 Filter**

**10°C HEAT**

**0.5°C Precision Temperature Control**

**Backlit Remote**

**Energy Saving With Human Sensor**

**Double Swing Automatic-3D Airflow**

**Silicon Coated PCB for Long Life**

**High Voltage Protection 700V (18/24)**

**5 Speed Fan Control**

**Self Diagnosis**

**Wireless LAN (Optional)**

**10 YEAR WARRANTY**

**5 YEAR WARRANTY**

**3 METRES PIPING KIT INCLUDED**

Model	Cooling Capacity (%)
18KJTA	~85%
24KJTA	~85%
30KJTA	~85%

Model	Max Capacity	Min Capacity
ASGG18KJTA-B	1.65TR	0.38TR
ASGG24KJTA-B	2.20TR	0.50TR
ASGG30KJTA-B	2.57TR	0.82TR

Wireless Remote

Wired Remote for Group Controller (Optional)

## TECHNICAL SPECIFICATIONS

PARAMETERS		IDU Model Number	ASGG18KJTA-B	ASGG24KJTA-B	ASGG30KJTA-B
		ODU Model Number	AOGG18KJTA-B	AOGG24KJTA-B	AOGG30KJTA-B
BEE Star Rating	Cooling	-	5	4	4
Tonnage (Min-Max Capacity)	Cooling	TR	1.5 (0.38-1.65)	2.0 (0.82-2.20)	2.3 (0.82-2.57)
	Heating		1.5 (0.38-1.85)	2.0 (0.50-2.42)	2.5 (0.88-2.90)
Power Supply		Ph-Hz-V	10-50-230		
Running Current	Cooling	A	6.5	9.6	11.2
	Heating		6.1	7.9	10.2
Standard Cooling at 100% Capacity (Min-Max)		W	5,280 (1320-5810)	7,040 (1760-7740)	8,800 (2870-9030)
Standard Cooling at 50% Capacity		W	2,640	3,520	4,105
Standard Heating at 100% Capacity (Min-Max)		W	5,280 (1320-6510)	7,040 (1760-8500)	8,210 (3080-10200)
Power Consumption at 100% Cooling Capacity (Min-Max)		W	1,410 (150-1670)	2,160 (340-2820)	2,520 (600-3400)
Power Consumption at 50% Cooling Capacity		W	450	670	820
Power Consumption at 100% Heating Capacity (Min-Max)		W	1,280 (130-1880)	1,770 (380-2500)	2,320 (650-3300)
EER at 100% Capacity	Cooling	W/W	3.74	3.26	3.26
EER at 50% Capacity	Cooling	W/W	5.87	5.25	5.01
COP	Heating	W/W	4.13	3.98	3.79
Rated ISEER	Cooling	-	5.11	4.52	4.40
Electricity Consumption per Annum	Cooling	kWh	799	1206	1444
Moisture Removal		l/h	1.6	2.7	2.8
Indoor Fan Speed Control levels		-	5	5	5
Indoor Airflow Volume-High	Cooling	m3/h	1100	1160	1630
	Heating		910	1160	1630
Max Indoor Airflow Distance (Cooling)	Cooling	m	15	15	25
Indoor Unit Dimensions HxWxD		mm	280X980X240	280X980X240	340X1150X280
Indoor Unit Net Weight		kg	12.5	12.5	16
Outdoor Unit Dimensions HxWxD		mm	632X799X290	716X820X315	788X940X320
Outdoor Unit Net Weight		kg	35.0	42.0	53.0
Indoor Noise Level-Quiet	Cooling	dB(A)	29	29	32
	Heating		29	29	32
Connection Pipe (Gas / Liquid)		mm	12.70 / 6.35	12.70 / 6.35	15.88 / 9.52
Pipe Length Min-Max (Precharged)		m	3-20 (15)	3-30 (15)	3-50 (20)
Max Height Difference		m	15	25	30
Ambient Operating Temperature Range	Cooling	°C	18°C ~ 55°C	18°C ~ 55°C	18°C ~ 55°C
	Heating		-15°C ~ 24°C	-15°C ~ 24°C	-15°C ~ 24°C
Operating Voltage Range		V	155V ~ 265V	155V ~ 265V	155V ~ 265V
Refrigerant Type		Non-CFC	R32	R32	R32
Compressor Type		-	Advanced Hyper Tropical Rotary	Advanced Hyper Tropical Twin 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		1.5-Ton	2.0-Ton	2.5-Ton
Model No.		ASGG18KJTA-B	ASGG24KJTA-B	ASGG30KJTA-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		
ODU to IDU Wiring	Resistance (To be measured with ground test meter)	<25 Ohms		
	Maximum Operating Current in A *1	9.7	14.3	18.8
	Starting Current in A	6.5	9.6	11.2
	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	4
Piping Size & Thickness	No of Cores - Power Supply	3	3	3
	Connection cable limited wiring length in m *2	21	31	51
	Circuit Breaker Current in A	15	20	30
	Type of Gas	R32	R32	R32
Pipe Limitation & Additional Refrigerant Charge	Copper Pipe Thickness in mm	0.8	0.8	1.0
	Pipe size-Liquid in mm	Ø 6.35	Ø 6.35	Ø 9.52
	Pipe size-Suction in mm	Ø 12.70	Ø 12.70	Ø 15.88
	Minimum Pipe Length in m	3	3	3
	Maximum Pipe Length in m	20	30	50
	Maximum Height Difference in m	15	25	30
Pre-Charged Refrigerant in g	Pre-Charged Refrigerant in g	1,000	1,500	1,700
	Standard Refrigerant Pre-Charged in m	15	15	20
	Additional Charge in g/m	20	20	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.

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FEATURES		INVERTER SPLIT - HOT & COLD		
		ASGG18KJTA-B	ASGG24KJTA-B	ASGG30KJTA-B
COMFORT	UP / DOWN LOUVERS	o	o	o
	LEFT / RIGHT SWING LOUVERS	o	o	o
	DOUBLE SWING AUTOMATIC -3D	o	o	o
	POWER AIRFLOW DUAL LOUVERS	SINGLE	SINGLE	o
	WIDE ANGLE LOUVERS	o	o	o
	AUTOMATIC AIRFLOW ADJUSTMENT	o	o	o
	10°C HEAT OPERATION	o	o	o
	QUIET OPERATION	o	o	o
	DRY FUNCTION	o	o	o
	AUTO - MOISTURE PREVENTION	o	o	o
CONVENIENCE	ADVANCED FREQUENCY MODULATION	o	o	o
	COANDA AIRFLOW	o 15m	o 15m	o 25m
	POWERFUL MODE	o	o	o
	MILDEW RESISTANT FILTER	o	o	o
	PM 2.5 FILTER	o	o	o
	COMPRESSOR INSULATION JACKET	o	o	o
	FAN SPEED CONTROL LEVELS	5	5	5
	WASHABLE PANEL	o	o	o
	SLEEP TIMER	o	o	o
	HUMAN SENSOR	o	o	o
PERFORMANCE	ECONOMY MODE	o	o	o
	WIRELESS REMOTE CONTROLLER	o	o	o
	WIRED REMOTE CONTROLLER	o (Optional)	o (Optional)	o (Optional)
	WLAN	o (Optional)	o (Optional)	o (Optional)
	GROUP CONTROL SYSTEM	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
	LONG PIPE	o	o	o
	PROGRAM TIMER	o	o	o
LONG LIFE	CORROSION RESISTANT ODU	o	o	o
	ANTI-CORROSION HEAT EXCHANGER IN IDU	o	o	o
	POWDER COATED OUTDOOR UNIT	o	o	o
	SILICON COATED PCB	o	o	o
	HIGH VOLTAGE PROTECTION	o	o	-
	BLUE FIN CONDENSER	o	o	o
	CONDENSER PROTECTION GRILL	o	o	o
	BLDC MOTOR INDOOR UNIT	o	o	o
	INNER GROOVE COPPER TUBE	o	o	o
	DUAL SUCTION INTAKE DESIGN	-	-	o
SELF DIAGNOSIS	o	o	o	

FEATURES		FIXED SPEED SPLIT - COOLING						
		ASGA18FUTD-B	ASGA24FUTC-B	ASGA30FUTD-B	ASGA36FUTC-B	ASGA12BMWB-B	ASGA18BMWA-B	ASGA24BMWA-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	o	o	o
	DRY FUNCTION	o	o	o	o	o	o	o
	AUTO - MOISTURE PREVENTION	o	o	o	o	-	-	-
	ADVANCED FREQUENCY MODULATION	-	-	-	-	o	o	o
CONVENIENCE	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
	COMPRESSOR INSULATION JACKET	o	o	o	o	o	o	o
	FAN SPEED CONTROL LEVELS	6	6	6	6	4	4	4
	WASHABLE PANEL	o	o	o	o	o	o	o
	SLEEP TIMER	o	o	o	o	o	o	o
	SENSOR FUNCTION	-	-	-	-	o	o	o
	COIL AUTO DRY FUNCTION	-	-	-	-	o	o	o
	WIRELESS REMOTE CONTROLLER	o	o	o	o	o	o	o
LONG LIFE	WIRED REMOTE CONTROLLER	o (Optional)	o (Optional)	o (Optional)	o (Optional)	-	-	-
	TEMPERATURE DISPLAY	-	-	-	-	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
	POWDER COATED OUTDOOR UNIT	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
PERFORMANCE	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*	-	-	-