

EXTREME COOLING SPLIT



ASGA14BMAA-B



ASGA18BMAA-B

ASGA24BMAA-B

TECHNICAL SPECIFICATIONS

PARAMETERS	IDU Model Number	ASGA14BMAA-B	ASGA18BMAA-B	ASGA24BMAA-B
	ODU Model Number	AOGA14BMAA-B	AOGA18BMAA-B	AOGA24BMAA-B
BEE Star Rating	-	3	3	3
Tonnage	TR	1.137	1.5	2.0
Power Supply	Ph-Hz-V	1 -50-230	1 -50-230	1 -50-230
Running Current	A	4.6	6.1	8.1
Standard Cooling at 100% Capacity	W	4,000	5,300	7,050
Power Consumption at 100% Capacity	W	1,020	1,380	1,850
Rated ISEER	kWh/kWh	3.92	3.84	3.81
Electricity Consumption per Annum	kWh	790	1068	1432
Moisture Removal	l/h	0.17	0.71	1.92
Indoor Fan Speed Control Levels	-	6	6	6
Indoor Airflow Volume-Powerful	m ³ /h	1100	1400	1450
Indoor Airflow Distance	m	10	15	15
Indoor Unit Dimensions HxWxD	mm	295 x 1000 x 230	330 x 1100 x 250	330 x 1100 x 250
Indoor Unit Net Weight	kg	11.0	14.2	15.0
Outdoor Unit Dimensions HxWxD	mm	594 x 810 x 301	594 x 810 x 301	755 x 963 x 385
Outdoor Unit Net Weight	kg	31.7	38.5	51.3
Indoor Noise Level-Quiet	dB(A)	41	43	44
Connection Pipe (Gas / Liquid)	mm	12.70 / 6.35	12.70 / 6.35	15.88 / 6.35
Pipe Length Min-Max (Precharged)	m	3-15 (5)	3-15 (5)	3-15 (5)
Max Height Difference	m	10	10	10
Ambient Operating Temperature Range	°C	18°C - 52°C	18°C - 52°C	18°C - 52°C
Operating Voltage Range	V	195V - 265V	195V - 265V	195V - 265V
Refrigerant Type	Non-CFC	R32	R32	R32
Compressor Type	-	Hyper Tropical Rotary	Hyper Tropical Rotary	Hyper Tropical 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.

BMA Series

Star Rating:



Model Number: ASGA14BMAA-B

ASGA18BMAA-B

ASGA24BMAA-B



Wireless Remote

INSTALLATION CHECK POINTS

Unit Capacity		1.1-Ton	1.5-Ton	2.0-Ton
Model No.		ASGA14BMAA-B	ASGA18BMAA-B	ASGA24BMAA-B
Check for Main Power Supply	Main Power Supply at	INDOOR 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	6.3	8.6	11.6
	Starting Current in A	NA	NA	NA
	Connection Cord ODU to IDU in mm ²	1.5-2.5	1.5-2.5	2.5-3.5
	No. of Cores - ODU to IDU	3	3	3
	Power Cable in mm ²	2.5-3.5	2.5-3.5	2.5-3.5
	No of Cores - Power Supply	3	3	3
Piping Size & Thickness	Connection cable limited wiring length in m *2	16	16	16
	Circuit Breaker Current in A	16	20	20
	Type of Gas	R32	R32	R32
	Copper Pipe Thickness in mm	0.8	0.8	0.8
Pipe Limitation & Additional Refrigerant Charge	Pipe size-Liquid in mm	Ø 6.35	Ø 6.35	Ø 6.35
	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	15	15	15
	Maximum Height Difference in m	10	10	10
	Pre-Charged Refrigerant in g	860	880	1,770
	Standard Refrigerant Pre-Charged in m	5	5	5
Additional Charge in g/m	15	15	15	

NEVER USE THE OLD INSTALLATION PIPE FOR NEW SYSTEM.

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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