

EXTREME COOLING SPLIT



ASGA12BMWB-B



ASGA18BMWA-B

ASGA24BMWA-B

BMW Series

Star Rating:
 Model Number: ASGA12BMWB-B ASGA18BMWA-B ASGA24BMWA-B

Tropical Product Design

Coanda Airflow

4 Speed Fan Control

Sensor Function

Higher Moisture Removal Rate

Integrated ON - OFF Timer

Powerful Mode

Coil Auto Dry Function

Temperature Display

3 METRES PIPING KIT INCLUDED

Blue Fin Condenser

Blue Fin Evaporator

1.1 TR High Capacity (ASGA12BMWB-B)

2.1 TR High Capacity (ASGA24BMWA-B)



Wireless Remote

TECHNICAL SPECIFICATIONS

PARAMETERS	IDU Model Number	ASGA12BMWB-B	ASGA18BMWA-B	ASGA24BMWA-B
	ODU Model Number	AOGA12BMWB-B	AOGA18BMWA-B	AOGA24BMWA-B
BEE Star Rating	-	3	3	3
Tonnage	TR	1.1	1.5	2.1
Power Supply	Ph-Hz-V	1φ-50-230		
Running Current	A	4.5	6.2	8.5
Standard Cooling at 100% Capacity	W	4,000	5,300	7,350
Power Consumption at 100% Capacity	W	1,020	1,369	1,900
Rated ISEER	kWh/kWh	3.92	3.87	3.87
Electricity Consumption per Annum	kWh	790	1060	1471
Moisture Removal	l/h	1.6	1.8	2.0
Indoor Fan Speed Control Levels	-	4	4	4
Indoor Airflow Volume-High	m ³ /h	850	1250	1,400
Indoor Airflow Distance	m	10	15	15
Indoor Unit Dimensions HxWxD	mm	300x970x224	325x1078x246	325x1078x246
Indoor Unit Net Weight	kg	13.5	15.5	16.0
Outdoor Unit Dimensions HxWxD	mm	596x848x320	596x899x378	790x1003x427
Outdoor Unit Net Weight	kg	32.5	42.0	59.0
Indoor Noise Level-Quiet	dB(A)	33	34	37
Connection Pipe (Gas / Liquid)	mm	12.70 / 6.35	12.70 / 6.35	15.88 / 6.35
Pipe Length Min-Max (Precharged)	m	3-20 (5)	3-25 (5)	3-25 (5)
Max Height Difference	m	10	10	10
Ambient Operating Temperature Range	°C	18°C ~ 50°C	18°C ~ 50°C	18°C ~ 50°C
Operating Voltage Range	V	193V ~ 253V	193V ~ 253V	193V ~ 253V
Refrigerant Type	Non-CFC	R32	R32	R32
Compressor Type	-	Tropical Rotary	Tropical Rotary	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.

INSTALLATION CHECK POINTS

Unit Capacity	1.1-Ton	1.5-Ton	2.1-Ton	
Model No.	ASGA12BMWB-B	ASGA18BMWA-B	ASGA24BMWA-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	INDOOR UNIT			
	230 Volts/50Hz/1 Phase			
	Mandatory			
	± 3 Volts			
	<25 Ohms			
	Maximum Operating Current in A ¹	8	12	14
	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	
Connection cable limited wiring length in m ²	NA	NA	NA	
Circuit Breaker Current in A	16	20	20	
Piping Size & Thickness	Type of Gas	R32	R32	R32
	Copper Pipe Thickness in mm	0.8	0.8	1.0
	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
Pipe Limitation & Additional Refrigerant Charge	Minimum Pipe Length in m	3	3	3
	Maximum Pipe Length in m	20	25	25
	Maximum Height Difference in m	10	10	10
	Pre-Charged Refrigerant in g	780	950	1,350
	Standard Refrigerant Pre-Charged in m	5	5	5
	Additional Charge in g/m	12	12	12

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.

*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 89 for specific modelwise features.

FEATURES	INVERTER SPLIT - HOT & COLD		
	ASGG18KJTA-B	ASGG24KJTA-B	ASGG30KJTA-B
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
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
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
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
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
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
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
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*	-	-	-