

► CONDENSER

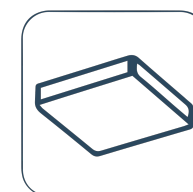


24V



24V Communication Connection

The voltage required for communication connection is as low as 24V, which is much safer and convenient, especially in operation and maintenance.



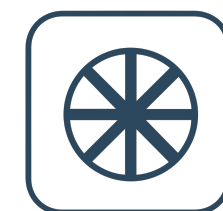
Universal design

Universal design of spare parts, which is convenient for stocks and maintenance.



Multiple protection

Safety procedures include exhausted temperature, high pressure protection, low pressure protection, etc.



Anti-Rust

Specially design of metal grille to protect against rust.



ON-OFF 13 SEER ODU

6 MULTIPLE PROTECTION TO KEEP WORKING WELL



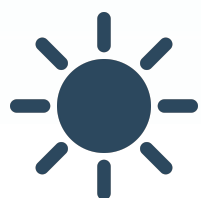
High/low pressure protection

Ensure that the components of the system run in the safe range.



Exhausted Temp protection

Ensure the system works well.



Motor overload protection

Protection the motor working longer



Protection of compressor reverse rotation (3 PH models)

Prevent the compressor from operating reversely to avoid compressor damage.



Leakage refrigerant protection

System leakage the refrigerant can protect the total system



Compressor overcurrent protection

Prevent overcurrent to avoid compressor damage.

SPECIFICATIONS (LIGHT COMMERCIAL A/C)					
	Universal Outdoor Unit		3 ton	5 ton	5 ton/3ph
Model name			BUMAT36COJ1OAST	BUMAT60COJ1OAST	BUMAT60CON1OAST
Power supply		V/Ph/Hz	208-230V/1Ph/60Hz	208-230V/1Ph/60Hz	220V/3Ph/60Hz/3P
Max. input consumption		W	5000	8000	7350
Max. current		A	22.0	40.0	24.0
Starting current		A	100.0	125.0	137.0
Max Operating Pressure(MPa)	Discharge	MPa	4.5	4.5	4.5
	Suction	MPa	1.2	1.2	1.2
Compressor	Brand		HIGHLY	SANYO	Copeland
	Model		ATH356UN-C9EU	C-SBP160H16A	ZP54KUE-TF5-52E
	Type		Rotary	Scroll	Scroll
	Capacity	W	10450	15600	15900
	Input	W	3480	5750	4950
	Rated current(RLA)	A	17.0	27.4	15.1
	Locked rotor Amp(LRA)	A	89	/	128
	Thermal protector		internal	internal	internal
	Capacitor	mF	80	60	/
	Refrigerant oil	ml	880	1400	1500
Outdoor coil	Number of row		1	1	1
	Fin spacing	mm	1.5	1.5	1.5
	Fin material		Louver or Corrugated Fin	Louver or Corrugated Fin	Louver or Corrugated Fin
	Tube outside diameter	mm	φ7	φ7	φ7
	Tube material		Innergroover tube type	Innergroover tube type	Innergroover tube type
	Coil length x height x width	mm	1441×714×12.7	2187×798×12.7	2187×798×12.7
	Number of circuit		3	5	5
Outdoor fan motor	Brand		BROAD-OCEAN/Lifeng	BROAD-OCEAN	BROAD-OCEAN
	Model		Y7S623B051L/SJ(AL)86A	Y7S623E098L	Y7S623E098L
	Input	W	148/165	354	354
	Output	W	86	217	217
	Running current	A	0.7/0.75	1.63	1.63
	Capacitor	mF	6.0	12.0	12.0
	Speed	rpm	1080	1100	1100
Outdoor air flow		m3/h	4000	7400	7400
Outdoor noise level		dB(A)	60	62	62
Outdoor dimension	Unit (WxHxD)	mm	554×759×554	740×843×740	740×843×740
	Packing (WxHxD)	mm	584×782×584	769×865×769	769×865×769
Outdoor weight	Net	kg	50	77	72
	Gross	kg	54	82	77.5
Refrigerant	Type		R410A	R410A	R410A
	Charge	g	1630	2350	2250
Throttle type			Piston orifice in indoor unit	Piston orifice in indoor unit	Piston orifice in indoor unit
Refrigerant pipe	Liquid side	mm	9.52	9.52	9.52
	Gas side	mm	19.05	19.05	19.05
	Max. refrigerant pipe length	m	30	50	50
	Max. difference in level	m	20	30	30
Ambient temperature range	Cooling	℃	21~43	21~43	21~43
	Heating	℃	/	/	/



NOTES

1. Nominal cooling capacities are based on the following conditions:

Indoor temp: 27°CDB, 19°CWB; Outdoor temp: 35°CDB;

Equivalent ref. piping: 7.5m (horizontal)

2. Nominal heating capacities are based on the following conditions:

Indoor temp: 20°CDB; Outdoor temp: 7°CDB, 6°CWB; Equivalent ref. piping: 7.5m (horizontal)

3. Actual noise level may differ, depending on the room structure, etc, since these noise values are from an anechoic room.

Remark: The above design and specification are subject to



SEER 18 INVERTER ODU

ALL USE TOP 3 BRANDS TO KEEP HIGH QUALITY

boreal
INTERNATIONAL



4-way valve



DC inverter
compressor



DC Motor



DC EXV



Inner groove
copper tube



Hydrophilic
Aluminum fin

SPECIFICATIONS (LIGHT COMMERCIAL A/C)				
Model name			BUMAT36COJ10A18	BUMAT60COJ10A18
Universal Outdoor Unit			3 ton Inverter	5 ton Inverter
Power supply		V/Ph/Hz	208~230V/60Hz/1ph	208~230V/60Hz/1ph
Max. input consumption		W	4400	6700
Max. current		A	20	30.5
Starting current		A	/	/
Max Operating Pressure(MPa)	Discharge	MPa	4.2	4.2
	Suction	MPa	1.5	1.5
Compressor	Brand		GMCC	HIGHLY
	Model		KTM240D43UMT	GTH420SKPC8DQ
	Type		Rotary	Rotary
	Capacity	W	7740	11800
	Input	W	2065	3580
	Rated current(RLA)	A	9.4	15.8
	Locked rotor Amp(LRA)	A	/	/
	Thermal protector		/	/
	Capacitor	mF	/	/
	Refrigerant oil	ml	620	1050
Outdoor coil	Number of row		2	2
	Fin spacing	mm	1.2	1.2
	Fin material		Louver or Corrugated	Louver or Corrugated
	Tube outside diameter	mm	1/2"	1/2"
	Tube material		Innergroover tube type	Innergroover tube type
	Coil length x height x width	mm	2187×585×23.2	2187×800×23.2
	Number of circuit		4	10
Outdoor motor	Motor type		DC motor	DC motor
	Brand		BROADOCEAN	BROADOCEAN
	Model		ZW511D000018L	ZW511D000018L
	Capacitor	mF	/	/
	Speed	rpm	1000	1050
Outdoor air flow		m3/h	5500	7000
Outdoor noise level		dB(A)	61	62
Outdoor dimension	Unit (WxHxD)	mm	740×633×740	740×843×740
	Packing (WxHxD)	mm	769×656×769	769×865×769
Outdoor weight	Net	kg	52	66
	Gross	kg	57	61
Refrigerant	Type		R410a	R410a
	Charge	g	2300	3000
Throttle type			electronic expansion	electronic expansion
Refrigerant pipe	Liquid side	mm	9.52	9.52
	Gas side	mm	15.88	19.05
	Max. refrigerant pipe length	m	25	30
	Max. difference in level	m	15	20
Ambient temperature range	Charge	℃	5~48	5~48
	Charge	℃	/	/