Series			Standard	Standard	Standard	Standard
Capacity			18K	27K	36K	48K
Indoor unit model			BMM9WM	BMM9WM	BMM9WM	BMM9WM
Outdoor unit model			BMM18C	BMM27C	BMM36C	BMM48C
Power supply	Rated	V, Ph, Hz	208/230, 1, 60	208/230, 1, 60	208/230, 1, 60	208/230, 1, 60
	Voltage range	V	187-253	187-253	187-253	187-253
Cooling	Capacity	Btu/h	18000(5650~22000)	28000(9838~30438)	36000(8209~40555)	48000(19000~50000)
	Input	W	1355	2240	3125	3840
	Rated current	A	6.2	11	13.6	16.8
	EER	Btu/Btu	13.3	12.5	11.5	12.5
	SEER		22.5	23.8	23.0	22.4
Heating at 47℉	Capacity	Btu/h	19000(5050~24400)	28000(8218~31000)	37000(8008~44632)	48000(12500~52000)
	Input	W	1420	2200	3000	3910
	Rated current	A	6.3	10.5	13.0	17.1
	COP	W/W	3.92	3.73	3.61	3.6
	HSPF4		10.6	10.5	11.3	11.0
	HSPF5		8.5	8.8	9.2	8.8
Heating at 5℉ (-15℃)	Rated capacity	Btu/h	12400	15500	23959	27000
	COP	W/W	1.75	1.75	1.75	1.65
The Rated Input Current of The Power Conversion Equipment (outdoor unit)		A	13.0	19.0	20.5	26.0
MINIMUM CIRCUIT AMPACITY (outdoor unit)		A	18.0	24.5	25.0	40.0
MAX. FUSE (outdoor unit)		A	25.0	30.0	40.0	60.0
Compressor	Model		KTN150D30UFZA	KTM240D43UKT	KTF310D43UMT	ATQ360D1UMU
	Type		Twin-ROTARY	ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC	GMCC
	Capacity	Btu/h	16138.76	24293.44	32380	38214
	Input power	W	1250	1895	2600	3040
	Compressor load current (RLA	A	-	-	-	-
	Thermal protector		-	-	INT01L-4639	-
	Thermal protector position		-	-	EXTERNAL	NA
	Refrigerant oil	ml	VG74/450	VG74/620	VG74/1000	VG74/1400
Fan motor	Model		ZKFN-80-8-3	ZKFN-120-8-2	ZKFN-120-8-2	ZKFN-85-8-22-5
	Qty.		1	1	1	2
	Input power	W	88.0	150.0	150.0	126.0
	Output power	W	80.0	120.0	120.0	85
	Fan motor load current (RLA)	A	-	-	-	1.0 + 1.0
	Speed	r/min	750/500	1050/900/850	1000/900/750	900/850/800/750
Outdoor air flow		m3/h	3000	3620	3650	7650
Outdoor air flow		CFM	1764.71	2129.41	2147.06	4500.00
Outdoor noise level		dB(A)	58.5	61	63	64
Throttle type			Capillary +EXV	Capillary +EXV	Capillary +EXV	Capillary +EXV
Condenser (Upper)	Number of rows	/	2	2	2.6	2
	Tube outside dia	mm	Φ7	Φ7	Φ9.52	Φ7
	Tube outside type	/	Inner groove tube	Inner groove tube	Inner groove tube	Inner groove tube
	Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	25.4x22	21x22
	Fin spacing	mm	1.3	1.4	1.5	1.2
	Fin type (code)	/	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	Coil length x height x width	mm	900*44*609	05x756x13.37+985x756x13.	62x22+960x762x22+580x7	980x630x44

	Number of circuits	/	6	6	6	10
Condenser (Bottom)	Number of rows	/	-	-	-	2
	Tube outside dia	mm	-	-	-	Φ7
	Tube outside type	/	-	-	-	Inner groove tube
	Tube pitch(a)x row pitch(b)	mm	-	-	-	21x22
	Fin spacing	mm	-	-	-	1.2
	Fin type (code)	/	-	-	-	Hydrophilic aluminum
	Coil length x height x width	mm	-	-	-	980x630x44
	Number of circuits	/	-	-	-	10
Outdoor unit	Dimension (W×D×H)	mm	890x342x673	946x410x810	946x410x810	952x415x1333
		inch	35.04x13.46x26.50	37.24x16.14x31.89	37.24x16.14x31.89	37.48x16.34x52.48
	Packing (W×D×H)	mm	995x398x740	1090x500x885	1090x500x885	1095x495x1480
		inch	39.17x15.67x29.13	42.91x19.69x34.84	42.91x19.69x34.84	43.11x19.49x58.27
	Net/Gross weight	kg	45.5/49.3	63.4/68.3	76.7/82.3	102.3/116.4
		lbs.	100.31/108.69	139.77/150.57	169.09/181.44	225.53/256.62
Outdoor fan diameter		mm	535x133	560x139	560x139	554x148
		inch	21.06x5.24	22.05x5.47	22.05x5.47	21.81x5.83
Refrigerant	Type/Charged	g	R410A/1850	R410A/2600	R410A/3800	R410A/4600
		oz	R410A/65.26	R410A/91.7	R410A/134.04	R410A/162
Refrigerant precharge(Total pipe length)		m	15	22.5	30	37.5
		ft	49	74	98	123
Additional charge for each ft	Φ6.35 (1/4") liquid pipe	g	15	15	15	15
		oz	0.161	0.161	0.161	0.161
	Φ9.52 (3/8") liquid pipe	g	30	30	30	30
		oz	0.322	0.322	0.322	0.322
Design pressure		PSIG	550/340	550/340	550/340	550/340
Refrigerant piping	Liquid side	mm	2 x Φ6.35	3 x Φ6.35	4 x Φ6.35	5 x Φ6.35
		inch	2 x 1/4"	3 x 1/4"	4 x 1/4"	5 x 1/4"
	Gas side	mm	2 x Φ9.52	3 x Φ9.52	3 x Φ9.52 + 1 x Φ12.7	3 x Φ9.52 + 2 x Φ12.7
		inch	2 x 3/8"	3 x 3/8"	3 x 3/8" + 1 x 1/2"	3 x 3/8" + 2 x 1/2"
	Max. length for all rooms	m	40	60	80	80
		ft	131	197	262	262
	Max. length for one indoor uni	m	25	30	35	35
		ft	82	98	115	115
	Max. height difference between indoor and outdoor unit	m	15	15	15	15
		ft	49	49	49	49
	Max. height difference between indoor units	m	10	10	10	10
		ft	33	33	33	33
Connection wiring			16AWG*4 Stranded, unshield	AWG*4 Stranded, unshield	AWG*4 Stranded, unshield	6AWG*4 Stranded, unshielded
Communication protocol between IDU and ODU			Current loop	Current loop	Current loop	Current loop
Outdoor ambient temperature	Cooling	℃	-25～50	-25～50	-25～50	-25～50
		℉	-13~122	-13~122	-13~122	-13~122
	Heating	℃	-25～30	-25～30	-25～30	-25～30
		℉	-13~86	-13~86	-13~86	-13~86
Total application area (cooling standard)		m2	22～32	33～48	48～70	64～94
		sq.ft	236.81～344.44	355.21～516.68	516.67～753.47	689～1012
Qty'per 20' /40' /40'HQ (Outdoor unit)			99/198/198	44/96/138	44/96/138	22/48/48
	Performance	AHRI	Yes	Yes	Yes	Yes
		E*Star	Yes	Yes	No	Yes

Certification		NEEP	Yes	Yes	Yes	No
	Safety	UL	Yes	Yes	Yes	Yes
		ETL	–	–	–	–
		CSA	–	–	–	–

Series		
Capacity		
Indoor unit model		
Outdoor unit model		
Power supply	Rated	V, Ph, Hz
	Voltage range	V
Cooling	Capacity	Btu/h
	Input	W
	Rated current	A
	EER	Btu/Btu
	SEER	
Heating at 47℉	Capacity	Btu/h
	Input	W
	Rated current	A
	COP	W/W
	HSPF4	
	HSPF5	
Heating at 5℉ (-15℃)	Rated capacity	Btu/h
	COP	W/W
The Rated Input Current of The Power Conversion Equipment (outdoor unit)		A
MINIMUM CIRCUIT AMPACITY (outdoor unit)		A
MAX. FUSE (outdoor unit)		A
Compressor	Model	
	Type	
	Brand	
	Capacity	Btu/h
	Input power	W
	Compressor load current (RLA	A
	Thermal protector	
	Thermal protector position	
	Refrigerant oil	ml
Fan motor	Model	
	Qty.	
	Input power	W
	Output power	W
	Fan motor load current (RLA)	A
	Speed	r/min
Outdoor air flow		m3/h
Outdoor air flow		CFM
Outdoor noise level		dB(A)
Throttle type		
Condenser (Upper)	Number of rows	/
	Tube outside dia	mm
	Tube outside type	/
	Tube pitch(a)x row pitch(b)	mm
	Fin spacing	mm
	Fin type (code)	/
	Coil length x height x width	mm

	Number of circuits	/
Condenser (Bottom)	Number of rows	/
	Tube outside dia	mm
	Tube outside type	/
	Tube pitch(a)x row pitch(b)	mm
	Fin spacing	mm
	Fin type (code)	/
	Coil length x height x width	mm
	Number of circuits	/
Outdoor unit	Dimension (W×D×H)	mm
		inch
	Packing (W×D×H)	mm
		inch
	Net/Gross weight	kg
		lbs.
Outdoor fan diameter		mm
		inch
Refrigerant	Type/Charged	g
		oz
Refrigerant precharge(Total pipe length)		m
		ft
Additional charge for each ft	Φ6.35 (1/4") liquid pipe	g
		oz
	Φ9.52 (3/8") liquid pipe	g
		oz
Design pressure		PSIG
Refrigerant piping	Liquid side	mm
		inch
	Gas side	mm
		inch
	Max. length for all rooms	m
		ft
	Max. length for one indoor uni	m
		ft
	Max. height difference between indoor and outdoor unit	m
		ft
	Max. height difference between indoor units	m
		ft
Connection wiring		16
Communication protocol between IDU and ODU		
Outdoor ambient temperature	Cooling	℃
		℉
	Heating	℃
		℉
Total application area (cooling standard)		m2
		sq.ft
Qty'per 20' /40' /40'HQ (Outdoor unit)		
	Performance	AHRI
		E*Star

Certification		NEEP
	Safety	UL
		ETL
		CSA