

System Model		Hyper Heat Series	Hyper Heat Series	Hyper Heat Series	
Indoor Code		BMHH12Y23CD	BMHH18Y20CD	BMHH24Y21CD	
Outdoor Code		453077629	453077630	453082622	
Indoor Model		453076296	453076298	453076300	
Outdoor Model		BM12MCD	BM18MCD	BM24MCD	
Power supply		208-230V,1Ph,60Hz	208-230V,1Ph,60Hz	208/230V,1Ph,60Hz	
Cooling	Capacity	Btu/h	12000	16500	24000
	Input	W	960	1320	1920
	Rated current	W	4.4	6.0	8.52
	EER	Btu/W	12.5	12.5	12.5
	SEER		20.5	19.6	20.5
Heating at 47F	Capacity	Btu/h	12000	19000	24000
	Input	W	1065	1900	1846
	Rated current	W	4.88	8.7	8.19
	COP	W/W	3.3	2.93	3.81
	HSPF4		11	11	12.5
	HSPF5		9.5	9.3	10.6
Heating at 17F	Capacity	Btu/h	8500	13400	17200
Minimum circuit ampacity		A	9	18	20
Max.fuse		A	15	25	30
Indoor fan motor	Model		ZKFN-55-8-22	ZKFN-160-8-1-2	ZKFN-160-8-1-2
	Qty		1	1	1
	Input	W	115	176	176
	Output	W	55	160	160
	RLA	A	1.11	1.2	1.5
	Speed	r/min	1170/1030/850	850/700/450	880/820/690
Indoor air flow (Hi/Med/Lo) (No duct)		m3/h	600/480/300	900/765/630	1320/1180/740
Indoor air flow (Hi/Med/Lo) (No duct)		CFM	353/283/177	530/450/371	776/694/435
ESP	Rated	Pa	25	25	25
	Range	Pa	0-40	0-100	0-160
	Range	In. wg.	0-0.16	0-0.40	0-0.64
Indoor noise level (Hi/Med/Lo)		dB(A)	38/36/33.5	39/37/35	44/41/38
Indoor unit	Dimension (WxDxH)	mm	700/450/200	880x674x210	1100x774x249
		inch	27.56x17.72x7.87	34.65x28.53x8.27	43x30x10
	Packing(WxDxH)	mm	860/540/275	1070x725x270	1305x805x305
		inch	33.86x21.26x10.83	42.13x28.53x10.63	51x32x12
	Net/Gross weight	kg	17.7/21.9	24.5/30	39.4/46.7
		lbs.	37.5/48.3	54/66	87/103
Design pressure		PSIG	550/340 PSIG	550/340 PSIG	550/340 PSIG
Drainage water pipe diameter		mm	ODΦ25	ODΦ25	ODΦ25
Refrigerant piping	Liquid side/ Gas side	mm	Φ6.35/Φ12.7(1/4" /1/2")	Φ6.35/Φ12.7(1/4"/1/2")	Φ9.52/Φ15.9(3/8"/5/8")
Controller			Wired control	Wired control	Wired control
Room temperature	Cooling	°C	17~32	17~32	17~32
		°F	62~90	62~90	62~90
	Heating	°C	0~30	0~30	0~30
		°F	32~86	32~86	32~86
Operation temperature		°C	17~30	17~30	17~30
		°F	62~86	62~86	62~86
Application area (cooling standard)		m2	16-23.4	24-35	32-47
Application area (cooling standard)		sq.ft	172-252	258-376	344-505
Qty'per 20' /40' /40'HQ		Indoor unit	214/461/519	120/264/297	77/161/184

Code		453076296	453076298	453076300	
Model		BMHH12Y23C	BMHH18Y20C	BMHH24Y21C	
Power supply		V,HZ,Ph	208-230V,60Hz, 1Ph	208-230V,60Hz, 1Ph	208-230V,60Hz, 1Ph
Minimum circuit ampacity		A	9.0	18.0	20.0
Max. fuse		A	15.0	25.0	30.0
Compressor	Model		ATM115D43UFZ2	ATF235D22UMT	ATF235D22UMT
	Type		ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC
	Capacity	Btu/h	11430	24345	24345
	Input	W	870	1970	1970
	Rated current (RLA)	A	5.65	12.90	14.00
	Thermal protector position		EXTERNAL	EXTERNAL	EXTERNAL
	Refrigerant oil	ml	ESTER OIL VG74 / 500	POE(VG74)/670	POE(VG74)/670
Outdoor fan motor	Model		ZKFN-40-8-1L	ZKFN-50-8-2	ZKFN-120-8-2
	Qty		1	1	1
	Input	W	63	115	150
	RLA	A	0.38	0.42	0.5
	Speed	r/min	810	850	810
Outdoor air flow (Max.)		m3/h	2000	2300	4000
Outdoor air flow (Max.)		CFM	1180	1355	2354
Outdoor noise level		dB(A)	57	59	61
Throttle type			Capillary +EXV	Capillary +EXV	Capillary +EXV
Outdoor unit	Dimension (WxDxH)	mm	800x333x554	845x363x702	946x410x810
		inch	31.5x13.11x21.81	33.27x14.29x27.64	37.24x16.14x31.89
	Packing (WxDxH)	mm	920x390x615	965x395x765	1090x500x875
		inch	36.22x15.35x24.21	37.99x15.55x30.11	42.91x19.69x34.45

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Outdoor Code			453076296	453076298	453076300
Indoor Model			BM12MCD	BM18MCD	BM24MCD
Outdoor Model			BMHH12Y23C	BMHH18Y20C	BMHH24Y21C
	Net/ Gross weight	kg	40/42.5	48.7/52.2	61.5/67.5
		lbs.	88.18/93.7	107.4/115.1	135.58/148.81
Refrigerant	type/Quantity	g	R410A/1500	R410A/1950	R410A/2600
Refrigerant	type/Quantity	Oz	R410A/52.9	R410A/68.8	R410A/91.7
Refrigerant precharge		ft	25	25	25
Additional charge for each ft		oz	0.16	0.16	0.32
Design pressure		PSIG	550/340	550/340	550/340
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ6.35/Φ12.7(1/4"/1/2")	Φ6.35/Φ12.7(1/4"/1/2")	Φ9.52/Φ15.9(3/8"/5/8")
	Max. pipe length	m	25	30	50
		ft	82	98	164
	Max. difference in level	m	10	20	25
ft		33	66	82	
Ambient temperature	Cooling	°C	-30~50	-30~50	-30~50
		°F	-22~122	-22~122	-22~122
	Heating	°C	-30 ~ 30	-30 ~ 30	-30 ~ 30
		°F	-22~86	-22~86	-22~86
Qty'per 20' /40' /40'HQ		Outdoor	108/219/292	102/216/216	44/96/144