

Indoor Code			U-Match Series	Hyper Heat Series
			22023011003415	22023011003414
Outdoor Code			22022516000402	32022016000001
Indoor Model			BM36MCD	BM24MCD
Outdoor Model			BM36UYC	BMHH24Y21C
Power supply		V,Hz,Ph	208/230V,1Ph,60Hz	208/230V,1Ph,60Hz
Cooling	Capacity	Btu/h	36000	24000
	Input	W	4000	1920
	Rated current	W	18.3	8.52
	EER	Btu/W	9.0	12.5
	SEER		16.5	20.5
Heating at 47F	Capacity	Btu/h	40000	24000
	Input	W	3478	1846
	Rated current	W	15.9	8.19
	COP	W/W	3.37	3.81
	HSPF4		11.5	12.5
	HSPF5		10	10.6
Heating at 17F	Capacity	Btu/h	27600	17200
Minimum circuit ampacity		A	30	20
Max.fuse		A	50	30
Indoor fan motor	Model		ZKFN-300-8-1	ZKFN-160-8-1-2
	Qty		1	1
	Input	W	250.0	90.0
	RLA	A	1.6	1.5
	Speed	r/min	1130/1050/990	880/820/690
Indoor air flow (Hi/Med/Lo) (No duct)		m3/h	1840/1550/1195	1320/1180/740
Indoor air flow (Hi/Med/Lo) (No duct)		CFM	1082/912/703	776/694/435
ESP	Range	Pa	0-160	0-160
	Range	In. wg.	0-0.64	0-0.64
Indoor noise level (Hi/Med/Lo)		dB(A)	45.5/42/39	44/41/38
Indoor unit	Dimension (WxDxH)	mm	1360x774x249	1100x774x249
		inch	54x30x10	43x30x10
	Packing(WxDxH)	mm	1570x805x305	1305x805x305
		inch	62x32x12	51x32x12
	Net/Gross weight	kg	48.3/55.5	39.4/46.7
		lbs.	106/122	87/103
Design pressure		PSIG	550/340 PSIG	550/340 PSIG
Drainage water pipe diameter		mm	ODΦ25	ODΦ25
Refrigerant piping	Liquid side/ Gas side	mm	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")
Controller			Wired control	Wired control
Room temperature	Cooling	℃	17~32	17~32
		℉	62~90	62~90
	Heating	℃	0~30	0~30
		℉	32~86	32~86
Operation temperature		℃	17~30	17~30
		℉	62~86	62~86
Application area (cooling standard)		m2	48-70.3	32-47
Application area (cooling standard)		sq.ft	517-757	344-505
Qty'per 20' /40' /40'HQ		Indoor unit	49/105/120	77/161/184

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Model			BM36UYC	BMHH24Y21C
Power supply		V,Hz,Ph	208-230V,60Hz, 1Ph	208-230V,60Hz, 1Ph
Minimum circuit ampacity		A	30.0	20.0
Max. fuse		A	50.0	30.0
Compressor	Model		ATF310D43UMT	ATF235D22UMT
	Type		ROTARY	ROTARY
	Brand		GMCC	GMCC
	Capacity	Btu/h	32380(9490W)	24345
	Input	W	2600	1970
	Rated current (RLA)	A	22.00	14.00
	Thermal protector position		EXTERNAL	EXTERNAL
	Refrigerant oil	ml	POE (VG74)/1000	POE(VG74)/670
Outdoor fan motor	Model		ZKFN-120-8-2	ZKFN-120-8-2
	Qty		1	1
	Input	W	150	150
	RLA	A	1.0	0.50
	Speed	r/min	950	810
Outdoor air flow (Max.)		m3/h	4300	4000
Outdoor air flow (Max.)		CFM	2530	2354
Outdoor noise level		dB(A)	66	61
Throttle type			Capillary +EXV	Capillary +EXV
Outdoor unit	Dimension (W×D×H)	mm	946x410x810	946x410x810
		inch	37.24x16.14x31.89	37.24x16.14x31.89
	Packing (W×D×H)	mm	1090x500x875	1090x500x875
		inch	42.91x19.69x34.45	42.91x19.69x34.45
	Net/ Gross weight	kg	67.4/73	61.5/67.5
		lbs.	148.59/160.94	135.58/148.81
Refrigerant	type/Quantity	g	R410A/2750	R410A/2600
Refrigerant	type/Quantity	Oz	R410A/108	R410A/91.7
Refrigerant precharge		ft	25	25
Additional charge for each ft		oz	0.32	0.32
Design pressure		PSIG	550/340	550/340
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")
	Max. pipe length	m	65	50
		ft	213	164
	Max. difference in level	m	30	25
ft		98	82	
Ambient temperature	Cooling	℃	-15~50	-30~50
		℉	5~122	-22~122
	Heating	℃	-15~30	-30 ~ 30
		℉	5~86	-22~86
Qty/per 20' /40' /40'HQ		Outdoor	44/96/144	44/96/144