




Wall Mounted Heat Pump System	
Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____

Set Code	22022010020197
Indoor unit code	22022011020881
Outdoor unit code	22022016020320
Set Model	BMY33HH20
Indoor unit model	BMY33HH20WMM
Outdoor unit model	BMY33HH20C
Certified	AHRI  UL  



SYSTEM PERFORMANCE DATA

Power supply		
Normal Operational Voltage	(V, Ph, Hz)	208/230V,1Ph,60Hz
Voltage Range	(V)	187-253
Electrical		
Minimum circuit ampacity(Outdoor)	(A)	36.0
Max.fuse(Outdoor)	(A)	40.0
Connection wiring		14AWG*4
Cooling		
Capacity	(Btu/h)	33000(15000~39700)
Power Input	(W)	2750(440~3825)
Current	(A)	18.0(3.1~17.0)
SEER2	(Btu/W)	19.5
EER2	(Btu/W)	12.0
Heating		
Capacity	(Btu/h)	35000(19000~40000)
Power Input	(W)	3290(1250~3920)
Current	(A)	20.5(8.4~17.4)
HSPF2-4	(Btu/W)	10.0
HSPF2-5	(Btu/W)	8.0
COP	W/W	3.12
Heat at 17F(H32)	(Btu/h)	28800
Heat at 5F(H42)	(Btu/h)	34600
COP at 5F(H42)	W/W	1.80

REFRIGERANT PIPE DATA

Throttle type	Indoor unit	N/A
	Outdoor unit	EXV+Throttle valve
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	102.29
Refrigerant precharge	(ft)	25.0
	(m)	7.5
Additional charge for each ft	(oz/ft)	0.32
Additional charge for each m	(g/m)	30.0
Liquid side/ Gas side(indoor)	(inch)	3/8"/3/4"
	(mm)	9.52/19
Liquid side/ Gas side(outdoor)	(inch)	3/8"/3/4"
	(mm)	9.52/19
Max. pipe length	(ft)	164.0
	(m)	50.0
Max. difference in level	(ft)	82.0
	(m)	25.0
Connection method		Flared
Indoor(cooling)	(Deg. °F)	60 ~ 90
	(Deg. °C)	16 ~ 32
Indoor(heating)	(Deg. °F)	32 ~ 86
	(Deg. °C)	0 ~ 30
Outdoor(cooling)	(Deg. °F)	-22 ~ 122
	(Deg. °C)	-30 ~ 50
Outdoor(heating)	(Deg. °F)	-22 ~ 75
	(Deg. °C)	-30 ~ 24

INDOOR UNIT DATA

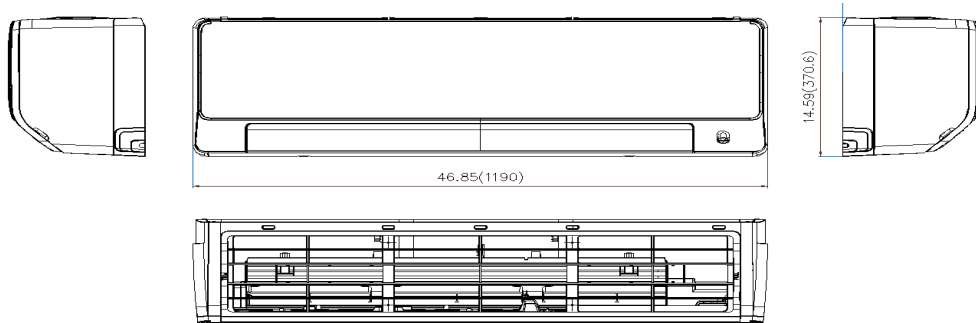
Indoor fan motor		
Model		ZKFP-58-8-20L
Qty		1
Input	(W)	/
Output	(W)	58.0
RLA	(A)	0.9
Speed(Hi/Mi/Lo)	(r/min)	1300/730/600
Air flow & Noise level		
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	894.12/770.59/600.00/423.53
Indoor noise level (Hi/Med/Lo)	[dB(A)]	52/46/35
Dehumidification	(L/H)	3.85
Indoor unit		
Dimension (WxDxH)	(inch)	46.85x11.20x14.59
	(mm)	1190x284.6x370.6
Packing(WxDxH)	(inch)	50.39x14.17x17.91
	(mm)	1280x360x455
Net/Gross weight	(lbs.)	43.43/55.11
	(kg)	19.7/25

OUTDOOR UNIT DATA

Compressor		
Type		Twin-ROTARY
Model		KTF420D62UNT
Brand		GMCC
Capacity	(Btu/h)	45755
Input	(W)	3525
Rated current (RLA)	(A)	16.67
Refrigerant oil/oil charge	(ml)	ESTER OIL VG74 1000± 10 ml
Outdoor fan motor		
Model		ZKFN-230-8-2
Qty		1
Input	(W)	/
Output	(W)	230
RLA	(A)	0.8
Speed	(r/min)	800/500
Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	2235
Outdoor noise level	[dB(A)]	63.0
Outdoor unit		
Dimension (W×D×H)	(inch)	37.24x16.14x31.89
	(mm)	946x410x810
Packing (W×D×H)	(inch)	42.91x19.69x34.84
	(mm)	1090x500x885
Net/ Gross weight	(lbs.)	159.83/168.87
	(kg)	72.5/76.6

Indoor unit dimension

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Outdoor unit dimension

