

Specification

Model : FTP47AA K208

No. FTP47AA-0020

Item			Unit	Specification
Model / Series / Bland			—	FTP47AA K208 / PAFMAC / PMAC
Performance *1	Cooling Capacity	FCU	Btu/h	12,700
		FCU and HP	Btu/h	18,500(15,100~18,500)
	Cooling Capacity with Hot Water		Btu/h	8,200(1,100~8,200)
	Heating Capacity	FCU	Btu/h	14,400
		FCU and HP	Btu/h	20,500(17,100~20,500)
	Heating Capacity with Chilled Water		Btu/h	7,900(600~7,900)
	T P I R *2	Cooling FCU	Btu/(W.hour)	159
		Cooling FCU and HP	Btu/(W.hour)	92.5
		Cooling (with Hot Water)	Btu/(W.hour)	7.19
		Heating FCU	Btu/(W.hour)	180
Heating FCU and HP		Btu/(W.hour)	42.7	
Heating (with Chilled Water)		Btu/(W.hour)	9.52	
Power Source			—	208V(198V~228V) 1 Phase-60
Electrical Characteristics *1	Cooling FCU and HP	Power Consumption	kW	0.200(0.100~0.200)
		Operating Current•Power Factor *3	A•%	1.3(0.7~1.3)•74
	Cooling (with Hot Water)	Power Consumption	kW	1.14(0.260~1.14)
		Operating Current•Power Factor *3	A•%	6.8(1.5~6.8)•81
	Heating FCU and HP	Power Consumption	kW	0.480(0.210~0.480)
		Operating Current•Power Factor *3	A•%	2.9(1.4~2.9)•80
	Heating (with Hot Water)	Power Consumption	kW	0.830(0.150~0.830)
		Operating Current•Power Factor *3	A•%	4.5(1.0~4.5)•89
	F C U	Power Consumption	kW	0.080
		Operating Current•Power Factor *3	A•%	0.6 • 64
Minimum circuit ampacity (MCA)			A	9.9
Maximum rating of overcurrent protective device (MOP)			A	15
Compressor	Type • Rated Output x Quantity		W	Full Hermetic Rotary Type•700 x 1
Fan System	Fan Type x Quantity		—	Double Suction Centrifugal Fan x 1
	Air Vol.		CFM	High : 490 , Middle : 420 , Low : 350
	Ex-unit Static Pressure *4		psi(G)	0.0044
	Fan Motor Rated Output		W	110
Chilled / Hot Water	Inlet Temp. (Annual option)	For Cooling	° F	44.6 (41~122)
		For Heating	° F	113 (41~122)
	Water Vol.		GPM us	3.17
	Water Press. Loss		psi(G)	5.95
	Water Contained		U.S.gallon	0.71
Air Heat Exchanger			—	Plate Fin Type
Water Heat Exchanger			—	Plate Type
Refrigerant • Quantity			lbs	R410A • 1.06
Protection Device	Compressor		—	Thermostat, Current Transformer
	Fan Motor		—	DC Over Current, Thermal Cut-Off
	Refrigerant Cycle		—	High-Pressure Switch
	Control Circuit		—	Fuse
	Others		—	Drain Sensor
Piping Connection Part	Chilled / Hot Water Inlet•Outlet		in.	NPT3/4 (Male)
	Drainage Outlet		in.	ID ϕ 1
Power Supply Connection Part			—	Terminal block (M5)
Outer Dimensions	Height × Width × Depth		in.	48 • 16 • 16
	Height × Width × Depth (with FAN UNIT)		in.	86 • 16 • 16
Unit Weight (Main unit + FAN UNIT)			lbs	157 (108 • 49)
Accessories			Drainage hose, PI Short-Circuit Line	
Accessories for construction (Other packing)			FAN UNIT,Suction panel, blowing panel, suction panel mounting duct, blowing panel mounting duct	

Note

1. The capacity and electrical characteristics indicate the values at 208V.

2. Performance *1

	Inlet air		Inlet water	
	D.B. Temp.	W.B. Temp.	Temp.	water volume
Cooling Capacity	80.0° F	67.0° F	44.6° F	standard water volume
Cooling Capacity with Hot Water	80.0° F	67.0° F	113.0° F	standard water volume
Heating Capacity	70.0° F	---	113.0° F	standard water volume
Heating Capacity with Chilled Water	70.0° F	---	44.6° F	standard water volume

3. TPIR stands for Total performance per Power Input Ratio, and it is shown as follows: (Refer to *2)

TPIR = (FCU capacity + HP capacity) / Power consumption

4. The values of power factor is "overall power factor value". (Refer to *3)

5. Please be sure to install the ELB. Please see the installation manual for details.

6. FCU" and "HP" in the table represent the fan coil and heat pump, respectively.

7. Please consider the compressor's heat equivalent of work (power consumption W) for heat source capacity.

8. The sum of the duct flow resistance and the air flow resistance of the filter should not exceed the rated external static pressure. (Refer to *4)

9. Specifications are subject to change for purposes of improvement.