

Panasonic Industrial Company

Air Conditioning Department

5PS132UAB21

115V, 60Hz, R-410a

5PS132UAB21

Application	Cooling (C) / Heating (H)
Ref. Charge Limit (C/H)	24.0 oz. 680 g
(C)	28.2 oz. 800 g
Evaporating Temp Range (C/H)	5°F to 53.6 °F -15°C to 12°C
(C)	14°F to 53.6 °F -10°C to 12°C

Rated Performance at 115 V

Capacity	12,890 BTU/h
Motor Input	1360 Watts
Current	12.15 Amperes

Compressor Data

Pump Type	Rotary
Displacement	13.2 cm ³ /rev.
Oil	FV50S (PVE)
	Or equivalent
Oil Charge (Precharged)	11.8 fl. Oz. 350 cm ³
Net Weight	25.8 lb. 11.7 kg

Motor Data

Motor Type	Permanent Split Capacitor
Locked Rotor Amperes	62 A at 120 V
Winding Resistance ²	Main: _____Ω, Aux: _____Ω
Max. Continuous Current ²	_____

Maximum Operating Conditions

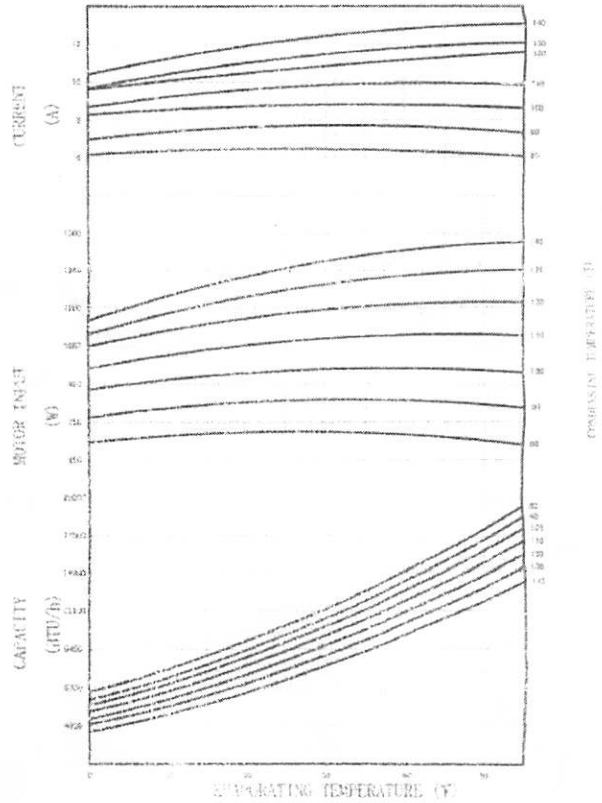
Condensing Temp.	149°F	65°C
Return Gas Temp.	95°F	35°C
Discharge Gas Temp.	239°F	115°C
Motor Wire Temp.	266°F	130°C

Electrical Components

Overload Protector	7100795 / 7100522
Texas Instrument part#	MRA 98896-9091 / 98896-9200
Run Capacitor	45 μF / 260 V

Rated at ASHRAE/T Conditions

Evaporating Temp.	45°F	7.2°C
Condensing Temp.	130°F	54.4°C
Return Gas Temp.	95°F	35.0°C
Liquid Temp.	115°F	46.1°C
Ambient Temp.	95°F	35.0°C



Performance Data

Based on Voltage 115 V, Frequency 60 Hz

Return Gas	65°F	18.3°C
Liquid Sub Cooling	15°F	-9.4°C
Ambient, Air Over 1m/s	95°F	35.0°C

COND. TEMP.

100°F	110°F	120°F	130°F	140°F
37.8°C	43.3°C	48.9°C	54.4°C	60°C

EVAP. TEMP.

35°F 1.7°C	BTU/h	12190	11530	10800	10025	9250
	Watts	965	1090	1205	1315	1410
Amperes		8.8	9.9	11.0	11.7	12.6

45°F 7.2°C	BTU/h	14895	14120	13315	12465	11570
	Watts	955	1095	1225	1340	1450
Amperes		8.8	9.9	11.5	12.0	12.9

55°F 12.8°C	BTU/h	18030	17110	16135	15245	14200
	Watts	950	1095	1225	1355	1465
Amperes		8.6	9.9	11.5	12.0	13.1