

MATSUSHITA Compressor

MODEL# DA57C84RCU6

Single Phase
R-134a

115 V
60 Hz

Voltage Range 103 Volts to 127 Volts @ 60 Hz
 Application Low Back Pressure
 Compressor Cooling Static / Fan Cooling

Refrigerant Control . . . Capillary Tube
 Evaporator
 Temp. Range -31°F to 23°F / -35°C to -5°C

Rated Performance Data

	Cond. Temp I*	Cond. Temp II*
Capacity	690 Btu/h ±7%	761 Btu/h ±7%
E.E.R.	5.35 Btu/Wh ±7%	6.19 Btu/Wh ±7%
Current	1.14 Amps	1.08 Amps

Nominal Motor Data

Motor Input	129 Watts	123 Watts
Rated Current	1.11 Amps	
Type	RSCR, PTC relay	
Locked Rotor	9.6 Amps	
Start Current	15.5 Amps	
Coil Resistances @ 68°F (20°C)	Run	4.64 Ohms Start 5.10 Ohms

*Test Conditions for Performance Specifications

Test Oil ISO VG 10
 Shell Temp 150.0°F / 65.0°C
 Condensing Temp (I) 130.0°F / 54.4°C
 (II) 105.0°F / 40.6°C
 Evaporating Temp -10.0°F / -23.3°C
 Ambient Temp 90.0°F / 32.2°C
 Gas Superheat 90.0°F / 32.2°C
 Liquid Sub-Cooling 90.0°F / 32.2°C

Electrical Accessories†

Overload Protector
 Nominal Operating Characteristics

Model Name	4TM319MFBYY		
Manufacturer	Texas Instruments		
Temperature To	Open: 239°F ± 9°F / 115°C ± 5°C Close: 142°F ± 16°F / 61°C ± 9°C		
Trip Current	@158°F (70°C) 2.7 Amps ± 7.5% @77°F (25°C) 12.9 Amps @ 18 sec. max.		

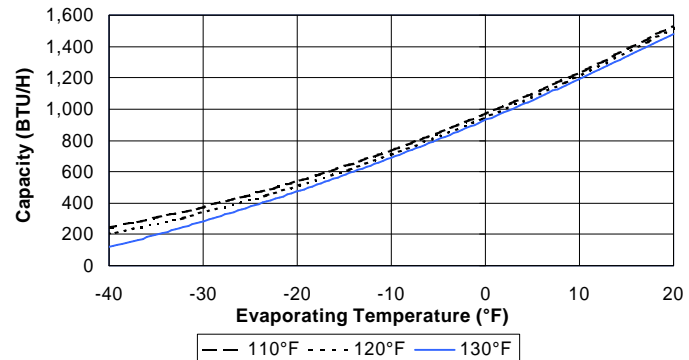
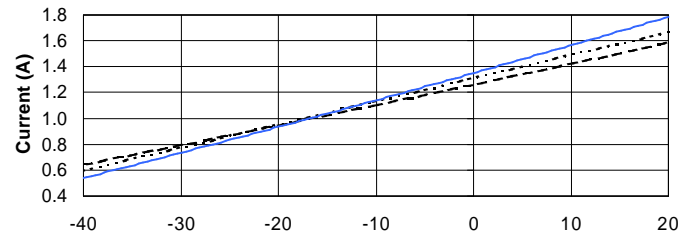
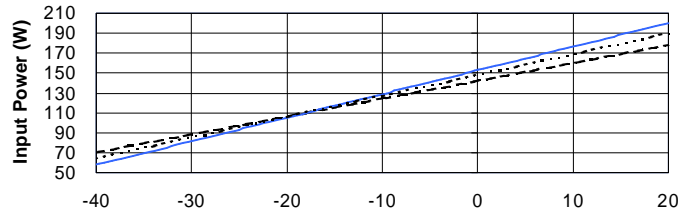
P.T.C. Starting Device
 Nominal Operating Characteristics

Model Name	PTH7M100MD2	PTH490D-AS100		
Manufacturer	Murata Mfg.	Murata Mfg.		
Base resistance @ 77°F(25°C) ±20%	10	10	Ohms	
Power Consumption (max)	2.8	2.8	Watts	
Operation time	0.45 to 1.35	0.45 to 1.35	seconds	
Recovery time (max)	50	55	seconds	

Run Capacitor 12 μF 180 V (min.)

†Although these accessories are listed by UL/CSA for use with this compressor, Matsushita assumes no responsibility whatsoever for these or any other components sourced by the refrigeration system manufacturer from third parties.

Performance Curves

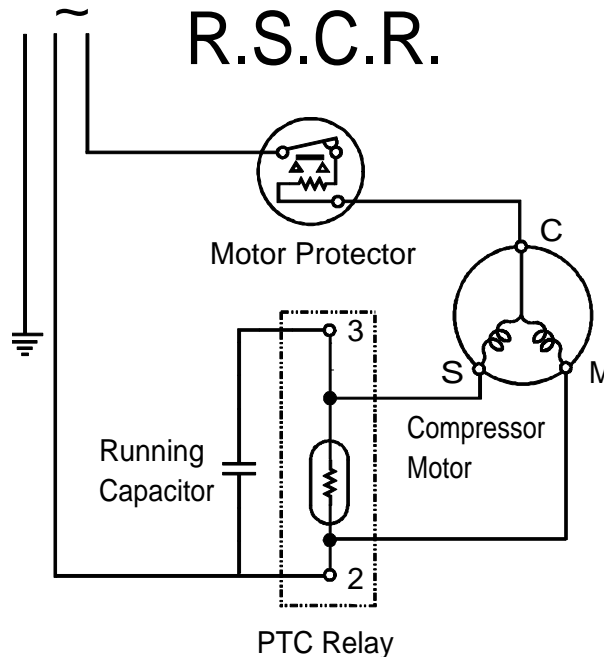
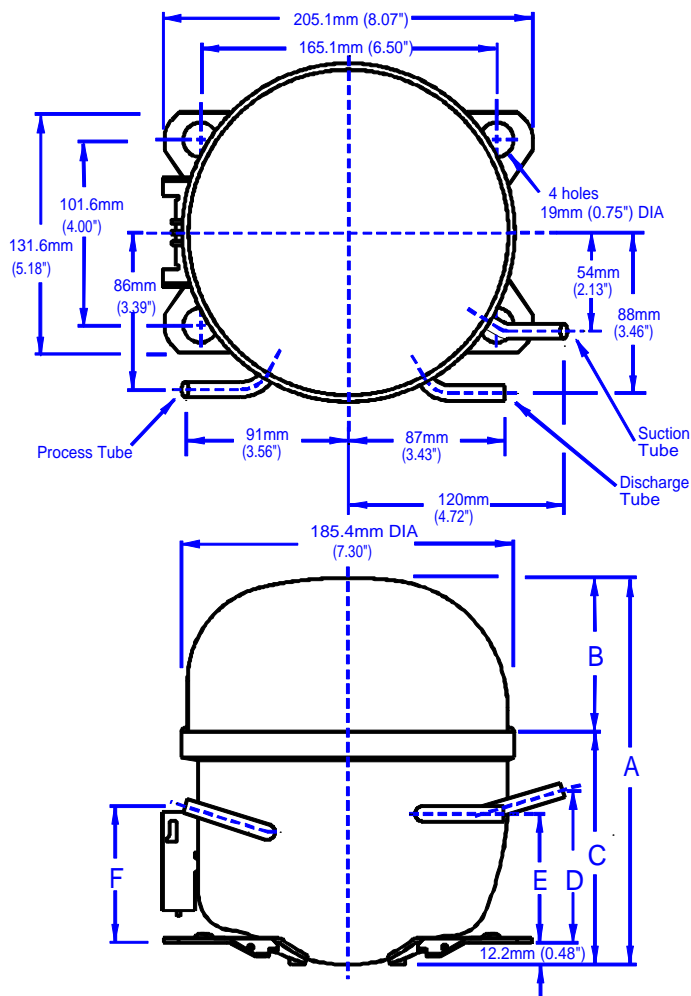


9 - Point Data

Condensing Temp.	Rating	Evaporating Temp.		
		-30°F	-10°F	+10°F
130°F	Btu/h	284	690	1,193
	Watts	81	129	177
	Amps	0.73	1.14	1.57
	E.E.R.	3.49	5.35	6.76
120°F	Btu/h	338	710	1,214
	Watts	85	127	169
	Amps	0.77	1.13	1.49
	E.E.R.	3.96	5.59	7.19
110°F	Btu/h	375	737	1,234
	Watts	88	124	160
	Amps	0.79	1.10	1.42
	E.E.R.	4.25	5.94	7.71



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Dimensions*

	mm	inches
A	211.8	8.34
B	84.2	3.31
C	127.6	5.02
D	83.9	3.30
E	70.4	2.77
F	75.2	2.96

* All dimensions are for reference only

This document sets forth certain operational parameters and conditions for operation of this product. If this product is operated outside of the parameters and conditions stated herein, buyer assumes sole and full responsibility and shall indemnify seller with respect to all product failures and all consequences thereof. Operation of the product outside of the parameters and conditions specified herein shall serve to invalidate all seller warranties, if any, with respect to the product. This document is for reference only. For specifications, please contact Panasonic's engineering department.

Tubes	Tube O.D.	Wall	Material
Suction	0.33 in. / 8.3 mm	0.035 in. / 0.9 mm	Copper
Process	0.33 in. / 8.3 mm	0.035 in. / 0.9 mm	Copper
Discharge	0.33 in. / 8.3 mm	0.035 in. / 0.9 mm	Copper

U.L. File # SA 4615
C.S.A. File #'s LR - 36593

General Data

- Oil Charge 250 cc ± 5 cc / 15.3 cu.in. ± 0.3 cu.in.
- Net Weight With Oil 22.0 lbs, 10.0 kg
- Approved Oils:
 - FREOL α 10, α 10E, α 15, α 15E, α 22, α 22E
 - ICI RL10H, RL15H, RL22H
 - HENKEL ProEco 10S, 15S, 22S
- Residual Moisture 120 mg max.
- Impurities 10 mg max.
- Displacement 5.65 cc. / 0.345 cu. in.