

MATSUSHITA Compressor

MODEL# SD43C77JBU6 (10µF Run Cap. - VG10)

Single Phase
R-134a

115 V
60 Hz

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

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

Rated Performance Data

Capacity 488 Btu/h ±7% *
E.E.R. 4.69 Btu/Wh ±10% *
Current 0.99 Amps *

Nominal Motor Data Motor Input 104 Watts*
 Rated Current 0.90 Amps
 Type RSCR, PTC relay

Locked Rotor 7.99 Amps
Start Current 14.48 Amps
Coil Resistances Run 4.33 Ohms
 @ 68°F (20°C) Start 7.09 Ohms

*Test Conditions for Performance Specifications

Test Oil Freol α 10
 Shell Temp 150.0°F / 65.0°C
 Condensing Temp 130.0°F / 54.4°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 T135AH3-1
 Manufacturer Matsushita
 Temperature To Open: 275°F ± 9°F / 135°C ± 5°C
 Close: 176°F ± 27°F / 80°C ± 15°C
 Trip Current @212°F (100°C) 3.5 to 4.5 Amps
 @77°F (25°C) 11.7 Amps @ 13 sec. max.

P.T.C. Starting Device†

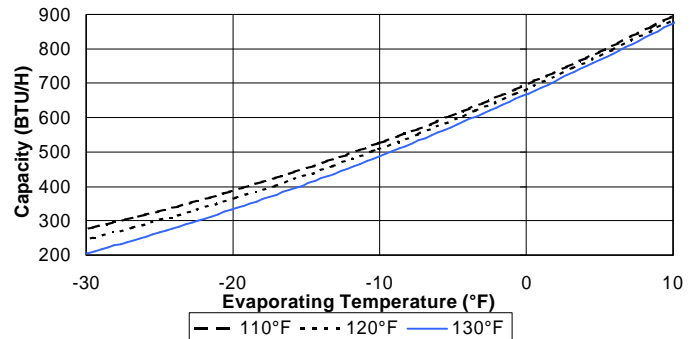
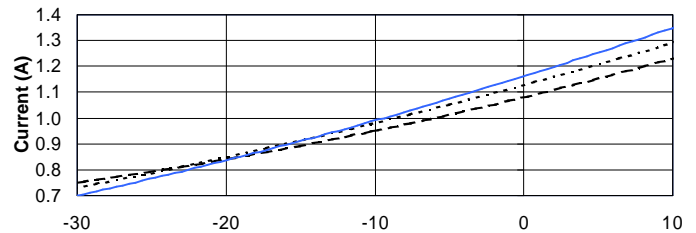
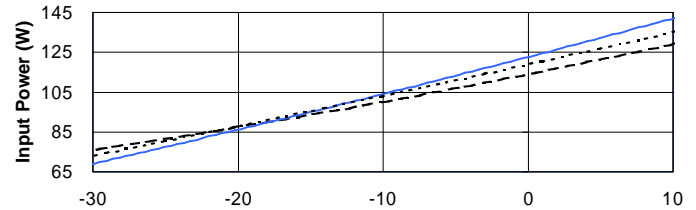
Nominal Operating Characteristics

Model Name PTH7M4R7MD2
 Manufacturer Murata Mfg.
 Base resistance
 @ 77°F(25°C) ±20% 4.7 Ohms
 Power Consumption (max) 3.0 Watts
 Operation time 0.7 to 2.2 seconds
 Recovery time (max) 70 seconds

Run Capacitor 10 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	205	488	874
	Watts	69	104	142
	Amps	0.70	0.99	1.35
	E.E.R.	2.97	4.69	6.15
120°F	Btu/h	246	509	884
	Watts	73	103	135
	Amps	0.73	0.98	1.29
	E.E.R.	3.37	4.94	6.55
110°F	Btu/h	277	526	895
	Watts	76	100	129
	Amps	0.75	0.95	1.23
	E.E.R.	3.64	5.26	6.94



Panasonic Industrial Company
Refrigeration Products Department
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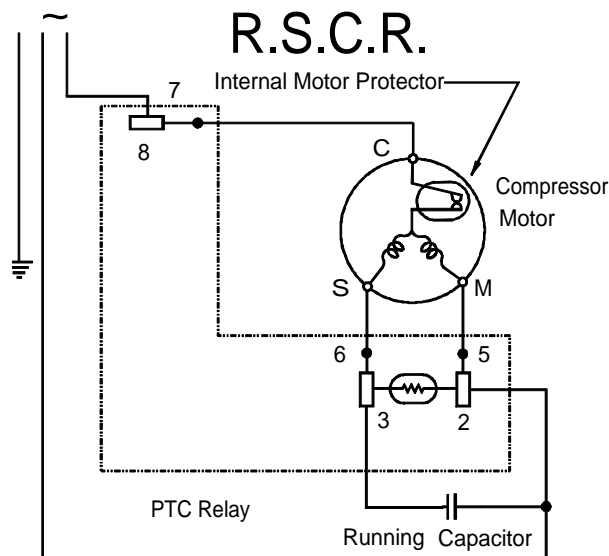
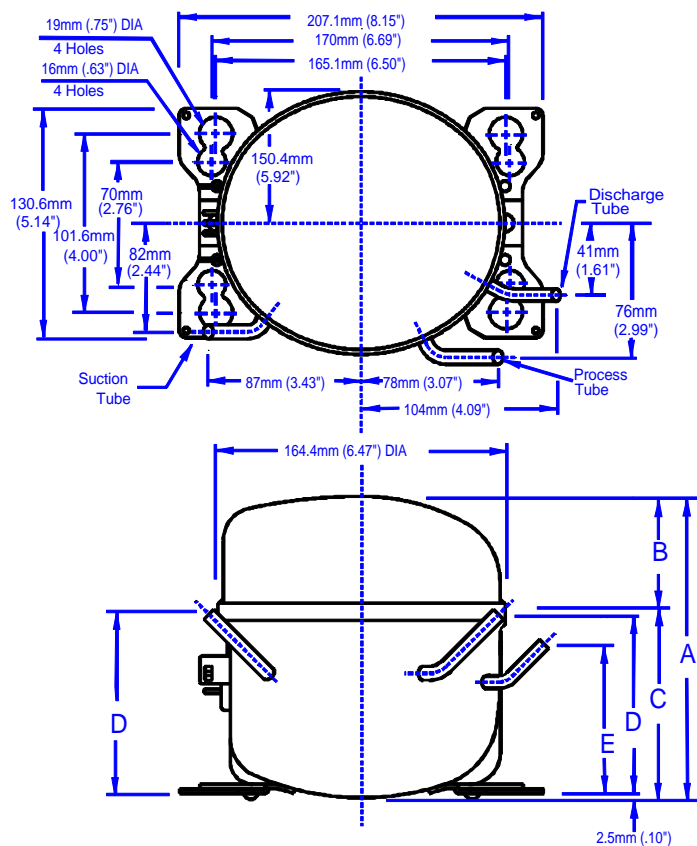
Rev#1-5/9

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Dimensions*

	mm	inches
A	172.1	6.78
B	60.9	2.40
C	111.2	4.38
D	102.0	4.02
E	85.0	3.35

* 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	0.3125 in. / 7.94 mm	0.028 in. / 0.7 mm	Copper
Discharge	0.28 in. / 7.0 mm	0.041 in. / 1.05 mm	Copper

U.L. File # SA 4615

C.S.A. File #'s LR - 36593

General Data	Oil Charge	Net Weight With Oil	Approved Oils	Residual Moisture	Impurities	Displacement
	195 cc \pm 5 cc / 11.9 cu.in. \pm 0.3 cu.in.	16.3 lbs, 7.4 kg	FREOL α 10, FREOL α 10E FREOL α 22, FREOL α 22E	120 mg max.	7 mg max.	4.33 cc. / 0.264 cu. in.

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