

MATSUSHITA Compressor

MODEL# DD66C12GBU6

Single Phase
R-134a

115 V
60 Hz

Voltage Range 103 Volts to 127 Volts @ 60 Hz
 Application Low Back Pressure
 Compressor Cooling 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	192 Btu/h ±7%	874 Btu/h ±7%
E.E.R.	4.61 Btu/Wh ±7%	5.36 Btu/Wh ±7%
Current	2.13 Amps	2.02 Amps

Nominal Motor Data

Motor Input	172 Watts	163 Watts
Rated Current	2.20 Amps	
Type	RSCR, PTC relay	
Locked Rotor	14.2 Amps	
Start Current	21.5 Amps	
Coil Resistances @ 68°F (20°C)	Run	3.40 Ohms
	Start	5.60 Ohms

*Test Conditions for Performance Specifications

Test Oil ISO VG 10
 Shell Temp 170.0°F / 76.0°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	4TM762MFBYY
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) 4.20 Amps ± 7.5%
	@77°F (25°C) 14.0 Amps @ 18 sec. max.

P.T.C. Starting Device

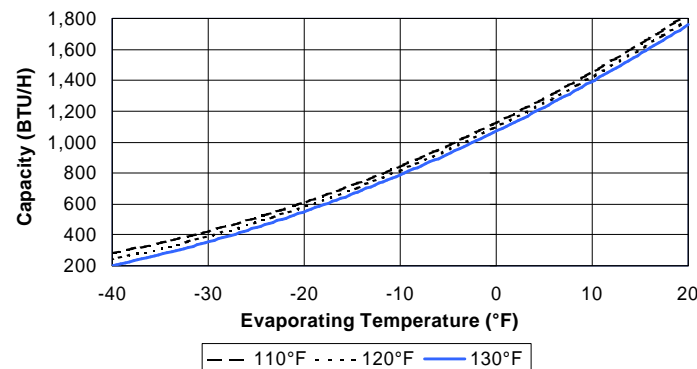
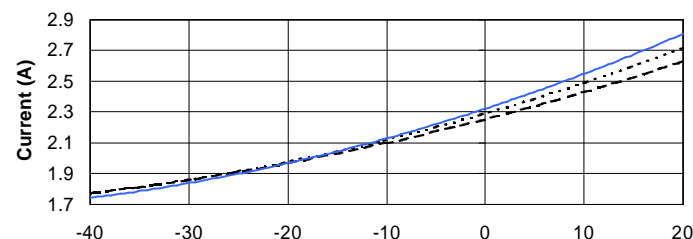
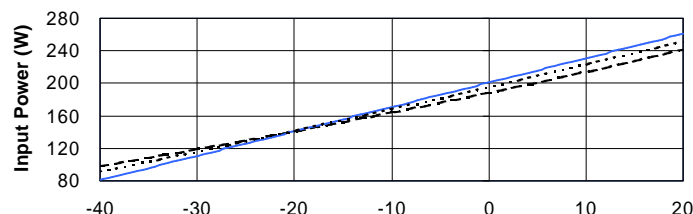
Nominal Operating Characteristics

	PTH7M6R8MC1	PTH490C-AS6R8	
Model Name	PTH7M6R8MC1	PTH490C-AS6R8	
Manufacturer	Murata Mfg.	Murata Mfg.	
Base resistance @ 77°F(25°C) ±20%	6.8	6.8	Ohms
Power Consumption (max)	2.9	3.5	Watts
Operation time	0.6 to 1.8	1.0 to 2.7	seconds
Recovery time (max)	60	65	seconds

Run Capacitor — μF — V

†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	355	789	1,393
	Watts	111	171	231
	Amps	1.84	2.13	2.55
	E.E.R.	3.20	4.61	6.03
120°F	Btu/h	389	816	1,420
	Watts	116	168	223
	Amps	1.86	2.12	2.49
	E.E.R.	3.36	4.85	6.36
110°F	Btu/h	423	843	1,451
	Watts	119	164	214
	Amps	1.86	2.10	2.43
	E.E.R.	3.56	5.13	6.77

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Panasonic Industrial Company
 Refrigeration Products Department
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 Fax: 201 - 392 - 4315

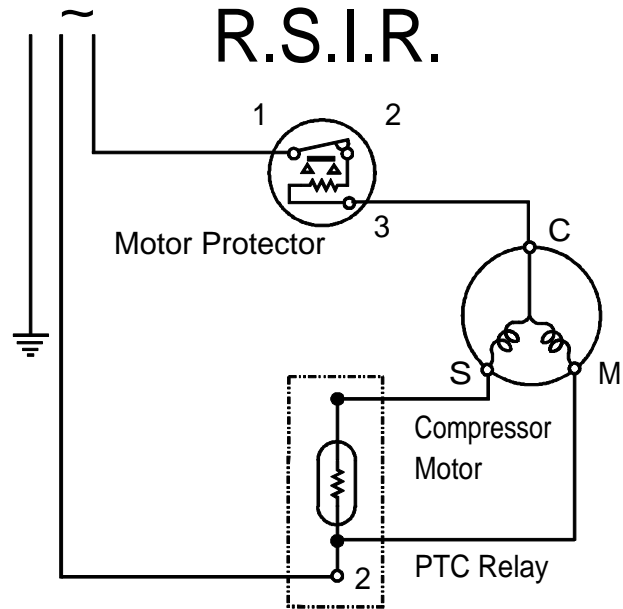
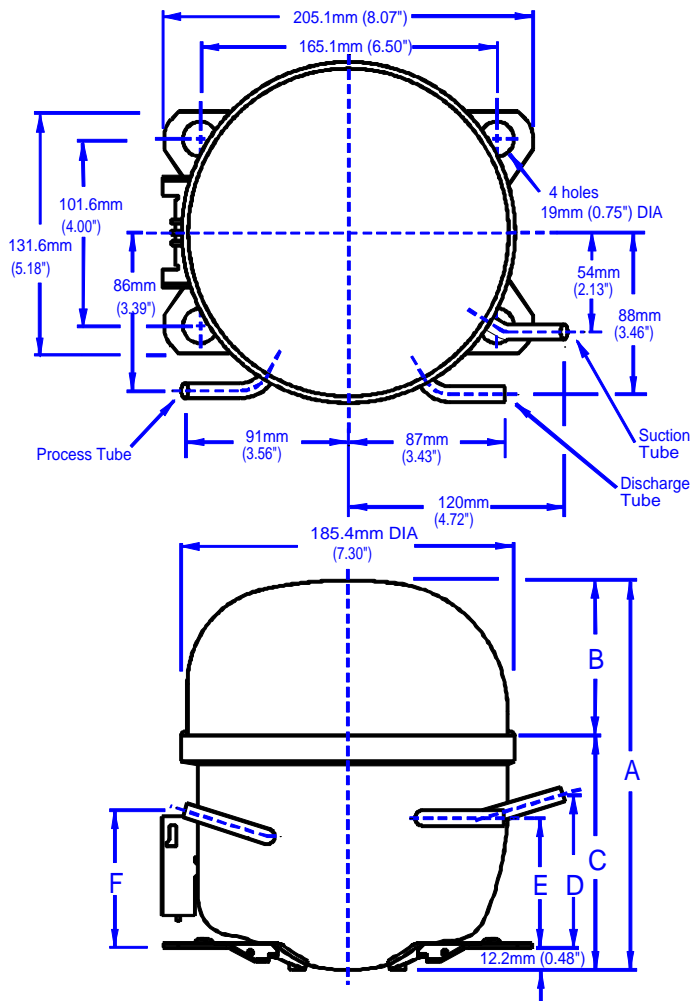
Rev#1-5/9

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Single Phase
R-134a

115 V
60 Hz



Dimensions*

	mm	inches
A	200.2	7.88
B	73.0	2.87
C	127.2	5.01
D	83.9	3.30
E	70.0	2.76
F	74.8	2.94

* 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	Net Weight With Oil	Approved Oils:
	250 cc ± 5 cc / 15.3 cu.in. ± 0.3 cu.in.	20.5 lbs, 9.3 kg	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 6.55 cc. / 0.400 cu. in.

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