

# SPECIFICATION OF MATSUSHITA COMPRESSOR

Model: **DPH66C94RAU**      **115V 60Hz**

No. : **DGH066U0RSA0A**

Application:  
Low back pressure  
Refrigerant:  
R134a (CF<sub>3</sub> CH<sub>2</sub>F)  
Design type:  
Reciprocating connecting rod  
Compressor cooling:  
Static cooling

Evaporating temp. range:  
-35 °C to -5 °C (-31 °F to 23 °F)  
Refrigerant control:  
Capillary tube  
Motor type:  
RSCR, PTC relay  
Voltage range:  
103V to 127V, 60Hz

Test conditions		(1)	(2)
Capacity *	W ±7 %	<b>238</b>	<b>260</b>
	kcal/h ±7 %	205	224
	Btu/h ±7 %	813	888
Motor input *	W	142	135
Current *	A	<b>1.25</b>	<b>1.19</b>
C.O.P. *	±7 %	<b>1.68</b>	<b>1.93</b>
E.E.R. *	Btu/Wh ±7 %	5.72	6.58

*Test conditions	(1)	(2)
Evaporating temp.:	<b>-23.3°C (-10°F)</b>	<b>-23.3°C (-10°F)</b>
Condensing temp.:	54.4°C (130°F)	40.6°C (105°F)
Ambient temp.:	32.2°C (90°F)	32.2°C (90°F)
Gas superheated to:	32.2°C (90°F)	32.2°C (90°F)
Liquid subcooled to:	32.2°C (90°F)	32.2°C (90°F)
Comp. shell temp.:	65°C (150°F)	65°C (150°F)
Power source:	115V 60Hz	115V 60Hz
Oil:	VG <b>10</b>	VG <b>10</b>

Displacement	cm <sup>3</sup>	<b>6.55</b>
	in <sup>3</sup>	<b>0.400</b>
Oil charge	cm <sup>3</sup> ±5 cm <sup>3</sup>	<b>250</b>
	in <sup>3</sup> ±0.3 in <sup>3</sup>	<b>15.3</b>
Weight (with oil)	kg	<b>9.2</b>
	lbs	<b>20.3</b>
Rated current	A	<b>1.30</b>
Starting current #1	A	<b>9.3/16.3</b>
Winding resistance M	ohm	<b>4.55</b>
	ohm	<b>5.03</b>
High potential test	V/s	<b>1800</b>
Residual moisture	mg max.	<b>120</b>
Impurities	mg max.	<b>10</b>

**Approved oils:**

FREOL **alpha10,10E**  
ICI **RL10HLN,10H**  
SUNISO **SL10SC,10S**


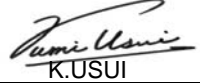
<b>Motor protector model</b> #2		<b>4TM317RHBY</b>
Opening temperature	°C ±5 °C	<b>130</b>
	°F ±9 °F	<b>266</b>
Closing temperature	°C ±9 °C	<b>69</b>
	°F ±16 °F	<b>156</b>
Trip current (T: 70°C 158°F)	A ±7.5 %	<b>2.85</b>
	A	<b>11.6</b>
<b>PTC relay model</b> #2		<b>7M6R8M</b>
Resistance (T: 25°C 77°F)	ohm ±20 %	<b>6.8</b>
Power consumption	W max.	<b>2.9</b>
Operating time	s	<b>0.6 to 1.8</b>
Recovery time	s max.	<b>60</b>
<b>Starting capacitor</b> #2		<b>- microF. - V min.</b>
<b>Running capacitor</b> #2		<b>15 microF. 180 V min.</b>

**Note:**

#1: Starting current : A/B  
A=Amps for UL/CSA , B = Amps at 2 phase start.  
#2: Although the following components are also listed by UL/CSA for use with this compressor, Matsushita assumes no responsibility whatsoever for these or any other components sourced by the refrigerator manufacturer from third parties.

▬ Combination relay  
**5SP15\*314NF(#)**

## Where tolerances are not indicated, data is shown for reference only.

DATE: Dec.07.2007	DATE: Dec.07.2007
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