

# SPECIFICATION OF PANASONIC COMPRESSOR

Model: **SHH43C72RAU**      **115V 60Hz**      No. : **SHH043UERFA0A**

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

Capacity *	W	±7 %	<b>148</b>
	kcal/h	±7 %	<b>127</b>
	Btu/h	±7 %	<b>505</b>
Motor input *	W		<b>99</b>
Current *	A		<b>0.88</b>
C.O.P. *		±7 %	<b>1.49</b>
E.E.R. *	Btu/Wh	±7 %	<b>5.10</b>

**\*Test conditions**

Evaporating temp.:  
**-23.3°C**      **(-10°F)**

Condensing temp.:  
**54.4°C**      **(130°F)**

Ambient temp.:  
**32.2°C**      **(90°F)**

Gas superheated to:  
**32.2°C**      **(90°F)**

Liquid subcooled to:  
**32.2°C**      **(90°F)**

Comp. shell temp.:  
**65°C**      **(150°F)**

Power source:  
**115V**      **60Hz**

Displacement	cm <sup>3</sup>		<b>4.33</b>
	in <sup>3</sup>		<b>0.264</b>
Oil charge	cm <sup>3</sup>	±5 cm <sup>3</sup>	<b>195</b>
	in <sup>3</sup>	±0.3 in <sup>3</sup>	<b>11.9</b>
Weight (with Oil)	kg		<b>7.1</b>
	lbs		<b>15.6</b>
Rated current	A		<b>0.82</b>
Starting current #1	A		<b>7.34/13.18</b>
Winding resistance M (T: 20°C 68°F)	ohm		<b>5.16</b>
	ohm		<b>7.17</b>
High potential test	V/s		<b>1400</b>
Residual moisture	mg max.		<b>120</b>
Impurities	mg max.		<b>7</b>

Oil: **VG 10**

Approved oils:	
FREOL	<b>alpha10, 10E</b>
I C I	<b>RL10HLN, 10H</b>
SUNISO	<b>SL10SC, 10S</b>

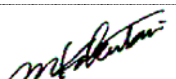
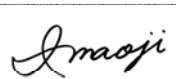
<b>Motor protector model #2</b>		<b>4TM302MHBYY or 5TM302MHBYY</b>
Opening temperature	°C	±5 °C
	°F	±9 °F
Closing temperature	°C	±9 °C
	°F	±16 °F
Trip current (T: 70°C 158°F)	A	±7.5 %
Trip current (T: 25°C 77°F, t: 16 s max)	A	
<b>PTC relay model #2</b>		<b>7M6R8M</b>
Resistance (T: 25°C 77°F)	ohm	±20 %
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 #2</b>		<b>- microF. - V min.</b>
<b>Running capacitor #2</b>		<b>12 microF. 180 V min.</b>

**Note:**

#1: Starting current : A/B  
A = Amps for UL/CSA  
B = Amps at 2 phase start.

#2: **Although these components have passed test for use with this compressor, Panasonic assumes no responsibility whatsoever for these or any other components sourced by the refrigerator manufacturer from third parties.**

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

DATE: Oct.02.2008	DATE: Oct.02.2008
 M.KAKUTANI	 A.IMAOJI
APPROVED BY	PREPARED BY