

SPECIFICATION OF PANASONIC COMPRESSOR

Model: **SHH51C97RAU** **115V 60Hz** No. : **SHH051UERFA0A**

Application:
Low back pressure
Refrigerant:
R134a (CF₃ CH₂F)
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 %	179
	kcal/h	±7 %	154
	Btu/h	±7 %	611
Motor input *	W		120
Current *	A		1.07
C.O.P. *		±7 %	1.49
E.E.R. *	Btu/Wh	±7 %	5.09

***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

Oil:
VG 10

Displacement	cm ³		5.10
	in ³		0.311
Oil charge	cm ³	±5 cm ³	195
	in ³	±0.3 in ³	11.9
Weight (with Oil)	kg		7.4
	lbs		16.3
Rated current	A		1.10
Starting current #1	A		9.3/15.6
Winding resistance M (T: 20°C 68°F)	ohm		3.87
	ohm		6.10
High potential test	V/s		1800
Residual moisture	mg max.		120
Impurities	mg max.		7

Approved oils:	
FREOL	alpha10, 10E
I C I	RL10HLN, 10H
SUNISO	SL10SC, 10S

Motor protector model #2		4TM314MHBY or 5TM314MHBY	
Opening temperature	°C	±5 °C	115
	°F	±9 °F	239
Closing temperature	°C	±9 °C	69
	°F	±16 °F	156
Trip current (T: 70°C 158°F)	A	±7.5 %	2.45 2.37
	A		11.0 12.5
Trip current (T: 25°C 77°F, t: 16 s max)	A		11.0 12.5
	A		11.0 12.5
PTC relay model #2		7M6R8M	
Resistance (T: 25°C 77°F)	ohm	±20 %	6.8
Power consumption	W max.		2.9
Operating time	s		0.6 to 1.8
Recovery time	s max.		60
Starting capacitor #2		- microF.	- V min.
Running capacitor #2		15 microF.	180 V min.

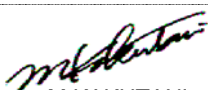
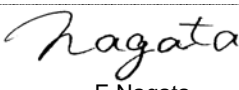
Note:

#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.**

- Combination relay
5SP15*314MH(#)

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

DATE: Jan.21.2009	DATE: Jan.21.2009
 M.KAKUTANI	 E.Nagata
APPROVED BY	PREPARED BY