SPECIFICATION OF MATSUSHITA COMPRESSOR

Model: **SHH48C97RAU** **115V 60Hz** **No. : SHH048UERSA0A**

Application:
Low back pressure
Refrigerant:
R134a (CF_3CH_2F)
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

Capacity *	W	±7 %	169
	kcal/h	±7 %	145
	Btu/h	±7 %	577
Motor input *	W		113.5
Current *	A		1.02
C.O.P. *		±7 %	1.49
E.E.R. *	Btu/Wh	±7 %	5.08

Displacement	cm^3		4.85
	in^3		0.296
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	ohm		3.87
(T: 20°C 68°F) S	ohm		6.10
High potential test	V/s		1800
Residual moisture	mg max.		120
Impurities	mg max.		7

***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

Approved oils:

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

Motor protector model #2			4TM314MHBYY or 5TM314MHBYY	
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
Trip current (T: 25°C 77°F, t: 16 s max)	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, Matsushita 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: Sep.18.2007	DATE: Sep.18.2007
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APPROVED BY	PREPARED BY

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