

SPECIFICATION OF MATSUSHITA COMPRESSOR

Model: **SB51C90RAU6**

115V 60Hz

No. : **SB051UERSA0A**

Application:
Low back pressure
Refrigerant:
R134a (CF₃ CH₂F)
Design type:
Reciprocating connecting rod
Compressor cooling:
Static cooling

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

Capacity *	W ±7%	142
	kcal/h ±7%	122
	Btu/h ±7%	485
Motor input *	W	121
Current *	A	1.06
C.O.P. *	±10%	1.17
E.E.R. *	Btu/Wh ±10%	4.01

***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.:
76°C (170°F)
Power source:
115V 60Hz
Oil:
VG 22



Displacement	cm ³	5.10
	in ³	0.311
Oil charge	cm ³ ±5	195
	in ³ ±0.3	11.9
Weight (with Oil)	kg	7.2
	lbs	15.9
Rated current	A	1.11
Starting current #1	A	8.57 / 14.7
Winding resistance M (T: 20°C 68°F)	ohm	4.08
	S ohm	8.20
High potential test	V/s	1400
Residual moisture	mg max.	120
Impurities	mg max.	7

Approved oils:	
FREOL	alpha22, 22E
ICI	RL22HLN, 22H

Motor protector model #2		5TM319MHBY Texas Instruments
Opening temperature	°C ±5	115
	°F ±9	239
Closing temperature	°C ±9	69
	°F ±16	156
Trip current (T: 70°C 158°F)	A ±7.5%	2.55
	A	11.8
PTC relay model #2		7M4R7M Murata Manufacturing co., Ltd.
	Resistance (T: 25°C 77°F)	ohm ±20%
Power consumption	W max.	3.0
Operating time	s	0.7 to 2.2
Recovery time	s max.	70
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.**

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

DATE: Sep.05.2002	DATE: Sep.05.2002
 S.TAKAHASHI	 H.KUSHIBUCHI
APPROVED BY	PREPARED BY