

SPECIFICATION OF MATSUSHITA COMPRESSOR

Model: **SB30C50GAU6** 115V 60Hz

No. : **SB030UEGSA0C**

Application:
Low back pressure
Refrigerant:
R134a (CF₃ CH₂F)
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:
RSIR, PTC relay
Voltage range:
103V to 127V, 60Hz

Capacity *	W	±7 %	72
	kcal/h	±7 %	62
	Btu/h	±7 %	246
Motor input *	W		77
Current *	A		1.18
C.O.P. *		±10 %	0.93
E.E.R. *	Btu/Wh	±10 %	3.19

***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:
VG22

Displacement	cm ³		3.01
	in ³		0.184
Oil charge	cm ³	±5 cm ³	195
	in ³	±0.3 in ³	11.9
Weight (with oil)	kg		6.3
	lbs		13.9
Rated current	A		1.16
Starting current #1	A		5.92/11.5
Winding resistance M (T: 20°C 68°F)	ohm		8.16
	ohm		10.5
High potential test	V/s		1400
Residual moisture	mg max.		120
Impurities	mg max.		7

Approved oils:	
FREOL	alpha22, 22E
ICI	RL22HLN, 22H
SUNISO	SL22SC, 22S


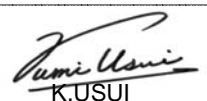
Motor protector model #2		4TM302MHBYY or 5TM302MHBYY Texas Instruments	
Opening temperature	°C	±5 °C 115	
	°F	±9 °F 239	
Closing temperature	°C	±9 °C 69	
	°F	±16 °F 156	
Trip current (T: 70°C 158°F)	A	±7.5 % 2.13	
	A		10.5
Trip current (T: 25°C 77°F, t: 16 s max)	A		10.5
PTC relay model #2		7M4R7M Murata Manufacturing co., Ltd.	
Resistance (T: 25°C 77°F)	ohm	±20 % 4.7	
	W max.		3.0
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		- microF. - 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: Jun.30.2005	DATE: Jun.30.2005
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APPROVED BY	PREPARED BY