

SPECIFICATION OF MATSUSHITA COMPRESSOR

Model: **SB43C75GAU6**

115V 60Hz

No. : **SB043UEGSA0A**

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:
RSIR, PTC relay
Voltage range:
103 to 127V, 60Hz

Capacity *	W ±7%	120
	kcal/h ±7%	103
	Btu/h ±7%	410
Motor input *	W	110
Current *	A	1.39
C.O.P. *	±10%	1.09
E.E.R. *	Btu/Wh ±10%	3.72

***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	4.33
	in ³	0.264
Oil charge	cm ³ ±5	195
	in ³ ±0.3	11.9
Weight (with oil)	kg	7.1
	lbs	15.6
Rated current	A	1.47
Starting current	A	12.7
Winding resistance M (T: 20°C 68°F)	ohm	4.20
	ohm	12.6
High potential test	V/s	1400
Residual moisture	mg max.	120
Impurities	mg max.	7

Approved oils:



FREOL **alpha22,22E**
ICI **RL22HNL, 22H**

Motor protector model #1		4TM319MHBYY <small>Texas Instruments</small>	5TM319MHBYY <small>Texas Instruments</small>
Opening temperature	°C ±5	115	115
	°F ±9	239	239
Closing temperature	°C ±9	69	69
	°F ±16	156	156
Trip current (T: 70°C 158°F)	A ±7.5%	2.70	2.55
	A	12.0	11.8
Trip current (T: 25°C 77°F, t: 16 s max)	A		
	A		
PTC relay model #1		7M4R7M	
		<small>Murata Manufacturing co., Ltd.</small>	
Resistance (T: 25°C 77°F)	ohm ±20%	4.7	
Power consumption	W max.	3.0	
Operating time	s	0.7 to 2.2	
Recovery time	s max.	70	
Starting capacitor #1		- microF. - V min.	
Running capacitor #1		- microF. - V min.	

Note:

#1: **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: Jan.10.2003	DATE: Jan.10.2003
 S.TAKAHASHI	 Y.MUKAI
APPROVED BY	PREPARED BY