

SPECIFICATION OF MATSUSHITA COMPRESSOR

Model: **DHS51C73RAU** **115V 60Hz**

No. : **DHS051U0RFA0B**

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

Test conditions		(1)	(2)
Capacity *	W ±7 %	188	207
	kcal/h ±7 %	162	178
	Btu/h ±7 %	642	707
Motor input *	W	112.5	107
Current *	A	1.02	0.97
C.O.P. *	±7 %	1.67	1.93
E.E.R. *	Btu/Wh ±7 %	5.70	6.60

*Test conditions	(1)	(2)
Evaporating temp.:	-23.3°C (-10°F)	-23.3°C (-10°F)
Condensing temp.:	54.4°C (130°F)	40.6°C (105°F)
Ambient temp.:	32.2°C (90°F)	32.2°C (90°F)
Gas superheated to:	32.2°C (90°F)	32.2°C (90°F)
Liquid subcooled to:	32.2°C (90°F)	32.2°C (90°F)
Comp. shell temp.:	65°C (150°F)	65°C (150°F)
Power source:	115V 60Hz	115V 60Hz
Oil:	VG 10	VG 10

Displacement	cm ³	5.10
	in ³	0.311
Oil charge	cm ³ ±5 cm ³	250
	in ³ ±0.3 in ³	15.3
Weight (with oil)	kg	9.8
	lbs	21.6
Rated current	A	1.02
Starting current #1	A	7.2/14.4
Winding resistance M (T: 20°C 68°F)	ohm	5.82
	S ohm	4.88
High potential test	V/s	1800
Residual moisture	mg max.	120
Impurities	mg max.	10


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

Motor protector model #2		4TM314NFBYY
Opening temperature	°C ±5 °C	120
	°F ±9 °F	248
Closing temperature	°C ±9 °C	61
	°F ±16 °F	142
Trip current (T: 70°C 158°F)	A ±7.5 %	2.60
	A	11.3
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		12 microF. 180 V min.

Note:
#1: Starting current : A/B
A=Amps for UL/CSA , B = Amps at 2 phase start.
#2: Although the following components are also listed by UL/CSA 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*314LF(#)
3ARR5*S5H(#)

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

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