

SPECIFICATION OF PANASONIC COMPRESSOR

Model: **SHJ51C90RAU** 115V 60Hz No. : **SHJ051UERSA0A**

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

Capacity *	W	±7 %	182
	kcal/h	±7 %	157
	Btu/h	±7 %	621
Motor input *	W		122
Current *	A		1.09
C.O.P. *		±7 %	1.49
E.E.R. *	Btu/Wh	±7 %	5.09

***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

Displacement	cm ³		5.10
	in ³		0.311
Oil charge	cm ³	±5 cm ³	195
	in ³	±0.3 in ³	11.9
Weight (with Oil)	kg		7.1
	lbs		15.6
Rated current	A		1.11
Starting current #1	A		8.9/14.9
Winding resistance M (T: 20°C 68°F)	ohm		4.42
	ohm		7.22
High potential test	V/s		1800
Residual moisture	mg max.		120
Impurities	mg max.		7

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

Motor protector model #2		4TM319MHBY	
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 %	2.70
	A		12.0
Trip current (T: 25°C 77°F, t: 16 s max)	A		12.0
	A		12.0
PTC relay model #2		7M6R8M	
Resistance (T: 25°C 77°F)	ohm	±20 %	6.8
	W max.		2.9
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.


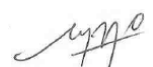
Note:

#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, Panasonic assumes no responsibility whatsoever for these or any other components sourced by the refrigerator manufacturer from third parties.**

- Combination relay #2
5SP15*314MH(#)
MSC72F51J3

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

DATE: Jan.11.2013	DATE: Jan.11.2013
	
Y. MUNAKATA	KM.SIM
APPROVED BY	PREPARED BY

SPECIFICATION OF PANASONIC COMPRESSOR

Model: **SJJ39C58RBU**

115V 60Hz

No. : **SJJ039UERSB0A**

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

Capacity *	W	±7 %	132
	kcal/h	±7 %	114
	Btu/h	±7 %	451
Motor input *	W		85.5
Current *	A		0.74
C.O.P. *		±7 %	1.54
E.E.R. *	Btu/Wh	±7 %	5.27

***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

Displacement	cm ³		3.90
	in ³		0.238
Oil charge	cm ³	±5 cm ³	195
	in ³	±0.3 in ³	11.9
Weight (with Oil)	kg		7.0
	lbs		15.4
Rated current	A		0.78
Starting current #1	A		5.5/10.7
Winding resistance M (T: 20°C 68°F)	ohm		6.56
	ohm		8.67
High potential test	V/s		1800
Residual moisture	mg max.		120
Impurities	mg max.		7

Approved oils:	
FREOL	alpha10,10E
EMKARATE	RL10HLN,10H

Motor protector model #2		4TM265MHBYY or 5TM265MHBYY	
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 %	1.84 1.81
	A		9.3
Trip current (T: 25°C 77°F, t: 16 s max)	A		9.3
PTC relay model #2 Eco Relay			7M6R8M
Resistance (T: 25°C 77°F)	ohm	±21 %	6.8
	W max.		2.9
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			10 microF. 180 V min.


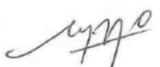
Note:

#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, Panasonic assumes no responsibility whatsoever for these or any other components sourced by the refrigerator manufacturer from third refrigerator manufacturer from third parties.

- Combination relay
5SP15*265MH#

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

DATE: Mar.10.2014	DATE: Mar.10.2014
 A. TERASAKI	 KM.SIM
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SPECIFICATION OF PANASONIC COMPRESSOR

Model: **SJJ51C88RAU** **115V 60Hz**

No. : **SJJ051UERSB0A**

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

Test conditions		(1)	(2)
Capacity *	W ±7 %	182	196
	kcal/h ±7 %	157	169
	Btu/h ±7 %	621	669
Motor input *	W	115	106.7
Current *	A	1.02	0.95
C.O.P. *	±7 %	1.58	1.84
E.E.R. *	Btu/Wh ±7 %	5.40	6.28

Displacement	cm ³	5.10
	in ³	0.311
Oil charge	cm ³ ±5 cm ³	195
	in ³ ±0.3 in ³	11.9
Weight (with oil)	kg	7.0
	lbs	15.4
Rated current	A	1.04
Starting current #1	A	8.5/14.8
Winding resistance M	ohm	4.14
	ohm	6.21
(T: 20°C 68°F) S		
High potential test	V/s	1800
Residual moisture	mg max.	120
Impurities	mg max.	7

*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

Approved oils:	
FREOL	alpha10,10E, 10W...#3
EMKARATE	RL10HLN,10H
SUNISO	SL10SC,10S

Motor protector model #2		4TM302MHBYY
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
Trip current (T: 25°C 77°F, t: 16 s max)	A	10.5
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:

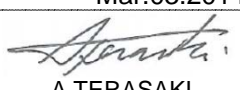
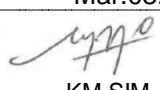
#1: Starting current : A/B
A=Amps for UL/CSA , B = Amps at 2 phase start.

#2: Although the following components are also listed by UL/CSA for use with this compressor, Panasonic assumes no responsibility whatsoever for these or any other components sourced by the refrigerator manufacturer from third refrigerator manufacturer from third parties.

#3: Use of alpha 10W oil may result in solidified alcohol deposits at capillary tube outlet. System manufacturers assume all risk of consequences due to such deposits.

- Combination relay
5SP15*302MH(#)
MSC72F51J3

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

DATE: Mar.03.2014	DATE: Mar.03.2014
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