

SPECIFICATION OF PANASONIC COMPRESSOR

Model: **DJK51C73RAU**

115V 60Hz

No. : **DJK051U0RFA0B**

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 %	180	205
	kcal/h ±7 %	155	176
	Btu/h ±7 %	615	700
Motor input *	W	105	100.5
Current *	A	0.94	0.90
C.O.P. *	±7 %	1.72	2.04
E.E.R. *	Btu/Wh ±7 %	5.86	6.96

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	9.0
	lbs	19.8
Rated current	A	1.05
Starting current #1	A	7.37/13.63
Winding resistance M (T: 20°C 68°F)	ohm	6.10
	S ohm	6.69
High potential test	V/s	1800
Residual moisture	mg max.	120
Impurities	mg max.	10

*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**
EMKARATE **RL10HLN,10H**

Motor protector model #2		4TM314LFBYY
Opening temperature	°C ±5 °C	110
	°F ±9 °F	230
Closing temperature	°C ±9 °C	61
	°F ±16 °F	142
Trip current (T: 70°C 158°F)	A ±7.5 %	2.25
	A	11.0
Trip current (T: 25°C 77°F, t: 16 s max)	A	11.0
	A	11.0
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		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, 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*283RF(#)
MTP37F04

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

DATE: Mar.13.2012	DATE: Mar.13.2012
 Y.MUNAKATA APPROVED BY	 M.RAKUTANI PREPARED BY

SPECIFICATION OF PANASONIC COMPRESSOR

Model: **DJK51C73RAU**

115V 60Hz

No. : **DJK051U0RSA0B**

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 %	180	205
	kcal/h ±7 %	155	176
	Btu/h ±7 %	615	700
Motor input *	W	105	100.5
Current *	A	0.94	0.90
C.O.P. *	±7 %	1.72	2.04
E.E.R. *	Btu/Wh ±7 %	5.86	6.96

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	9.0
	lbs	19.8
Rated current	A	1.05
Starting current #1	A	7.37/13.63
Winding resistance M (T: 20°C 68°F)	ohm	6.10
	S ohm	6.69
High potential test	V/s	1800
Residual moisture	mg max.	120
Impurities	mg max.	10

*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**
EMKARATE **RL10HLN,10H**

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
Trip current (T: 25°C 77°F, t: 16 s max)	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, 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*283RF(#)
MTP37F04

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

DATE: Mar.13.2012	DATE: Mar.13.2012
 Y.MUNAKATA APPROVED BY	 M.RAKUTANI PREPARED BY

SPECIFICATION OF PANASONIC COMPRESSOR

Model: **DJK57C89RAU** **115V 60Hz**

No. : **DJK057U0RSA0A**

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 %	205	230
	kcal/h ±7 %	176	198
	Btu/h ±7 %	700	785
Motor input *	W	120	116
Current *	A	1.05	1.01
C.O.P. *	±7 %	1.71	1.98
E.E.R. *	Btu/Wh ±7 %	5.83	6.77

*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	5.65
	in ³	0.345
Oil charge	cm ³ ±5 cm ³	250
	in ³ ±0.3 in ³	15.3
Weight (with oil)	kg	9.4
	lbs	20.7
Rated current	A	1.04
Starting current #1	A	8.7/14.7
Winding resistance M	ohm	5.09
	ohm	6.79
High potential test	V/s	1800
Residual moisture	mg max.	120
Impurities	mg max.	10

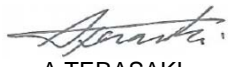
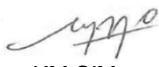
Approved oils:	
FREOL	alpha10,10E
EMKARATE	RL10HLN,10H

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
Trip current (T: 25°C 77°F, t: 16 s max)	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. 210 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*314NF(#)
MSC72*53J3

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

DATE: Jan.31.2014	DATE: Jan.31.2014
 A. TERASAKI	 KM. SIM
APPROVED BY	PREPARED BY

SPECIFICATION OF PANASONIC COMPRESSOR

Model: **DJK73C12RAU**

115V 60Hz

No. : **DJK073U0RSA0A**

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 %	270	295
	kcal/h ±7 %	232	254
	Btu/h ±7 %	922	1,007
Motor input *	W	150.7	141.8
Current *	A	1.37	1.28
C.O.P. *	±7 %	1.79	2.08
E.E.R. *	Btu/Wh ±7 %	6.12	7.10

*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	7.27
	in ³	0.444
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	1.30
Starting current #1	A	12.1/19.2
Winding resistance M (T: 20°C 68°F)	ohm	3.47
	S ohm	4.98
High potential test	V/s	1800
Residual moisture	mg max.	120
Impurities	mg max.	10



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

Motor protector model #2		4TM758NFBYY
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 %	4.05
Trip current (T: 25°C 77°F, t: 16 s max)	A	12.0
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.

☐ Combination relay #2
5SP15*757LF(#)
MSC72F71G3

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

DATE: Nov.26.2013	DATE: Nov.26.2013
 A. TERASAKI	 KM. SIM
APPROVED BY	PREPARED BY

SPECIFICATION OF PANASONIC COMPRESSOR

Model: **DKK51C78RAU**

115V 60Hz

No. : **DKK051U0RFA0C**

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 %	180	205
	kcal/h ±7 %	155	176
	Btu/h ±7 %	615	700
Motor input *	W	101.5	97
Current *	A	0.91	0.87
C.O.P. *	±7 %	1.77	2.11
E.E.R. *	Btu/Wh ±7 %	6.05	7.21

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	9.5
	lbs	20.9
Rated current	A	1.00
Starting current #1	A	7.5/13.7
Winding resistance M (T: 20°C 68°F)	ohm	5.44
	S ohm	6.08
High potential test	V/s	1800
Residual moisture	mg max.	120
Impurities	mg max.	10

*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**
EMKARATE **RL10HLN,10H**

Motor protector model #2		4TM302LFBYY
Opening temperature	°C ±5 °C	110
	°F ±9 °F	230
Closing temperature	°C ±9 °C	61
	°F ±16 °F	142
Trip current (T: 70°C 158°F)	A ±7.5 %	2.01
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		12 microF. 180 V min.


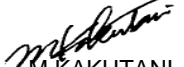
Note:

#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, 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*302LF(#)
MTP37F04

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

DATE: Mar.06.2012	DATE: Mar.06.2012
 Y. MUNAKATA	 M. RAKUTANI
APPROVED BY	PREPARED BY

SPECIFICATION OF PANASONIC COMPRESSOR

Model: **DKK51C78RAU** **115V 60Hz**

No. : **DKK051U0RFB0A**

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 %	180	205
	kcal/h ±7 %	155	176
	Btu/h ±7 %	615	700
Motor input *	W	101.5	97
Current *	A	0.91	0.87
C.O.P. *	±7 %	1.77	2.11
E.E.R. *	Btu/Wh ±7 %	6.05	7.21

*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	9.5
	lbs	20.9
Rated current	A	1.00
Starting current #1	A	7.5/13.7
Winding resistance M	ohm	5.44
	ohm	6.08
High potential test	V/s	1800
Residual moisture	mg max.	120
Impurities	mg max.	10

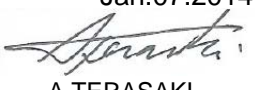
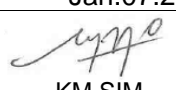
Approved oils:	
FREOL	alpha10,10E
EMKARATE	RL10HLN,10H

Motor protector model #2		4TM302LFBYY
Opening temperature	°C ±5 °C	110
	°F ±9 °F	230
Closing temperature	°C ±9 °C	61
	°F ±16 °F	142
Trip current (T: 70°C 158°F)	A ±7.5 %	2.01
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		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, 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*302LF(#)
5SP15*302NF(#)
37302LFB6R8HMA2

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

DATE: Jan.07.2014	DATE: Jan.07.2014
 A. TERASAKI APPROVED BY	 KM. SIM PREPARED BY

SPECIFICATION OF PANASONIC COMPRESSOR

Model: **DKK51C78RAU**

115V 60Hz

No. : **DKK051U0RSA0C**

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 %	180	205
	kcal/h ±7 %	155	176
	Btu/h ±7 %	615	700
Motor input *	W	101.5	97
Current *	A	0.91	0.87
C.O.P. *	±7 %	1.77	2.11
E.E.R. *	Btu/Wh ±7 %	6.05	7.21

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	9.5
	lbs	20.9
Rated current	A	1.00
Starting current #1	A	7.5/13.7
Winding resistance M (T: 20°C 68°F)	ohm	5.44
	S ohm	6.08
High potential test	V/s	1800
Residual moisture	mg max.	120
Impurities	mg max.	10

*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**
EMKARATE **RL10HLN,10H**

Motor protector model #2		4TM302LFBYY
Opening temperature	°C ±5 °C	110
	°F ±9 °F	230
Closing temperature	°C ±9 °C	61
	°F ±16 °F	142
Trip current (T: 70°C 158°F)	A ±7.5 %	2.01
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		12 microF. 180 V min.


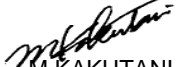
Note:

#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, 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*302LF(#)
MTP37F04

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

DATE: Mar.06.2012	DATE: Mar.06.2012
 Y. MUNAKATA	 M. RAKUTANI
APPROVED BY	PREPARED BY

SPECIFICATION OF PANASONIC COMPRESSOR

Model: **DKK57C90RAU**

115V 60Hz

No. : **DKK057U0RSA0A**

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 %	205	230
	kcal/h ±7 %	176	198
	Btu/h ±7 %	700	785
Motor input *	W	111.2	105.3
Current *	A	1.01	0.95
C.O.P. *	±7 %	1.84	2.18
E.E.R. *	Btu/Wh ±7 %	6.29	7.46

Displacement	cm ³	5.65
	in ³	0.345
Oil charge	cm ³ ±5 cm ³	250
	in ³ ±0.3 in ³	15.3
Weight (with oil)	kg	9.7
	lbs	21.4
Rated current	A	1.00
Starting current #1	A	8.7/15.2
Winding resistance M	ohm	4.58
	ohm	5.73
(T: 20°C 68°F)	S	
High potential test	V/s	1800
Residual moisture	mg max.	120
Impurities	mg max.	10

*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
EMKARATE RL10HLN,10H

Motor protector model #2		4TM314NFBYY or 5TM314NFBYY	
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	2.41
	A	11.3	10.5
Trip current (T: 25°C 77°F, t: 16 s max)	A		
PTC relay model #2 Eco Relay		TM6R8M	
Resistance (T: 25°C 77°F)	ohm ±21 %	6.76	
Power consumption	W max.	0.4	
Operating time	s	0.6 to 1.8	
Recovery time	s max.	20	
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, Panasonic assumes no responsibility whatsoever for these or any other components sourced by the refrigerator manufacturer from third refrigerator manufacturer from third parties.

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

DATE: Jun.26.2012	DATE: Jun.26.2012
 Y. MUNAKATA	 KM.SIM
APPROVED BY	PREPARED BY

SPECIFICATION OF PANASONIC COMPRESSOR

Model: **DKK57C90RAU**

115V 60Hz

No. : **DKK057U0RSB0B**

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 %	205	230
	kcal/h ±7 %	176	198
	Btu/h ±7 %	700	785
Motor input *	W	113.0	107.4
Current *	A	1.03	0.97
C.O.P. *	±7 %	1.81	2.14
E.E.R. *	Btu/Wh ±7 %	6.19	7.31

Displacement	cm ³	5.65
	in ³	0.345
Oil charge	cm ³ ±5 cm ³	250
	in ³ ±0.3 in ³	15.3
Weight (with oil)	kg	9.7
	lbs	21.4
Rated current	A	1.00
Starting current #1	A	8.7/15.2
Winding resistance M (T: 20°C 68°F)	ohm	4.58
	S ohm	5.73
High potential test	V/s	1800
Residual moisture	mg max.	120
Impurities	mg max.	10

*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**
EMKARATE **RL10HLN,10H**

Motor protector model #2		4TM314NFBYY or 5TM314NFBYY	
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	2.41
	A	11.3	10.5
Trip current (T: 25°C 77°F, t: 16 s max)	A		
PTC relay model #2		7M6R8M	
Resistance (T: 25°C 77°F)	ohm ±20 %	6.80	
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, 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 #2
5SP15*314NF(#)
MTP41F04

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

DATE: Jun.27.2013	DATE: Jun.27.2013
 A. TERASAKI	 KM. SIM
APPROVED BY	PREPARED BY