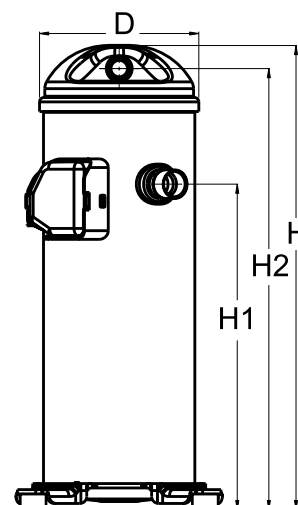


General Characteristics

Model number (on compressor nameplate)		DCJ106T2LC6
Code number for Singlepack*		121L5011
Code number for Industrial pack**		121L5010
Drawing number		OSR4109B1
Suction and discharge connections		Brazed
Suction connection		1-1/8" ODF
Discharge connection		7/8" ODF
Oil sight glass		None
Oil equalisation connection		None
Oil drain connection		None
LP gauge port		None
IPR valve		None
Swept volume		86.9 cm ³ /rev
Displacement @ Nominal speed	15.1 m ³ /h @ 2900 rpm - 18.3 m ³ /h @ 3500 rpm	
Net weight		49 kg
Oil charge		2.46 litre, PVE --
Maximum system test pressure Low Side / High side		- bar(g) / - bar(g)
Maximum differential test pressure		- bar
Maximum number of starts per hour		-
Refrigerant charge limit		7.26 kg
Approved refrigerants		R410A

Dimensions

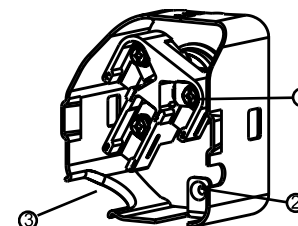


D=184 mm
H=565 mm
H1=404.7 mm
H2=537.8 mm
H3=- mm

Electrical Characteristics

Nominal voltage	208-230V/3/60Hz
Voltage range	188-253 V
Winding resistance between phases 1-2 +/- 7% at 25°C	0.280 Ω
Winding resistance between phases 1-3 +/- 7% at 25°C	0.280 Ω
Winding resistance between phases 2-3 +/- 7% at 25°C	0.260 Ω
Rated Load Amps (RLA)	28.8 A
Maximum Continuous Current (MCC)	45 A
Locked Rotor Amps (LRA)	250 A
Motor protection	Internal overload protector

Terminal box



IP22

- 1: Screw connectors 10-32 UNF x 9.5
- 2: Earth connection
- 3: Power cable passage

Recommended Installation torques

Oil sight glass	0 Nm
Power connections / Earth connection	3 Nm / 2 Nm

Parts shipped with compressor

Mounting kit with grommets and sleeves
Initial oil charge
Installation instructions

Approvals : CE certified, UL certified (file SA11565), -

*Singlepack: Compressor in cardboard box

**Industrial pack: 12 Unboxed compressors on pallet (order per multiples of 12)

Rotolock accessories, suction side
Code no.

Solder sleeve, P02 (1-3/4" Rotolock, 1-1/8" ODF)	8153004
Angle adapter, C02 (1-3/4" Rotolock, 1-1/8" ODF)	8168005
Rotolock valve, V02 (1-3/4" Rotolock, 1-1/8" ODF)	8168028
Gasket, 1-3/4"	8156132

Rotolock accessories, discharge side
Code no.

Rotolock valve, V05 (1-1/4" Rotolock, 7/8" ODF)	8168030
Gasket, 1-3/4"	8156132

Rotolock accessories, sets
Code no.

Solder sleeve adapter set (1-3/4" Rotolock, 1-1/8" ODF), (1-1/4" Rotolock, 7/8" ODF)	120Z0125
Valve set, V02(1"3/4~1"1/8), V05(1"1/4~7/8")	120Z0403
Gasket set, 1", 1-1/4", 1-3/4", OSG gaskets black & white	8156009

Oil / lubricants
Code no.

PVE lubricant, 320HV (FVC68D), 1 litre can	120Z5034
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Crankcase heaters
Code no.

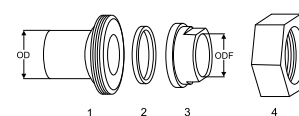
Belt type crankcase heater, 70 W, 230 V, UL	120Z5011
Belt type crankcase heater, 65 W, 230 V, CE mark, UL	120Z0059
Belt type crankcase heater, 65 W, 400 V, CE mark, UL	120Z0060
Belt type crankcase heater, 70 W, 460 V, UL	120Z5012
Belt type crankcase heater, 70 W, 575 V, UL	120Z5013

Miscellaneous accessories
Code no.

Discharge thermostat kit	7750009
IP54 upgrade kit	118U0057

Spare parts
Code no.

Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers	120Z5064
Mounting kit, including 1 bolt, 1 sleeve, 1 washer	120Z5031
Oil sight glass with gaskets (black & white)	8156019
Gasket for oil sight glass (white teflon)	8156129
Terminal box cover	120Z5018

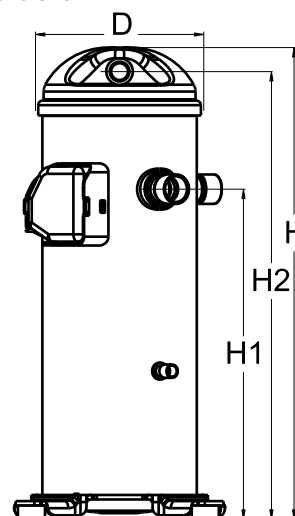
Solder sleeve adapter set


- 1: Rotolock adapter (Suc & Dis)
- 2: Gasket (Suc & Dis)
- 3: Solder sleeve (Suc & Dis)
- 4: Rotolock nut (Suc & Dis)

General Characteristics

Model number (on compressor nameplate)		DCJ106T2LC8
Code number for Singlepack*		121L5037
Code number for Industrial pack**		121L5036
Drawing number		OSR4110B1
Suction and discharge connections		Brazed
Suction connection		1-1/8" ODF
Discharge connection		7/8" ODF
Oil sight glass		None
Oil equalisation connection		1/2"
Oil drain connection		None
LP gauge port		None
IPR valve		None
Swept volume		86.9 cm ³ /rev
Displacement @ Nominal speed	15.1 m ³ /h @ 2900 rpm - 18.3 m ³ /h @ 3500 rpm	
Net weight		49 kg
Oil charge		2.46 litre, PVE --
Maximum system test pressure Low Side / High side		- bar(g) / - bar(g)
Maximum differential test pressure		- bar
Maximum number of starts per hour		-
Refrigerant charge limit		7.26 kg
Approved refrigerants		R410A

Dimensions

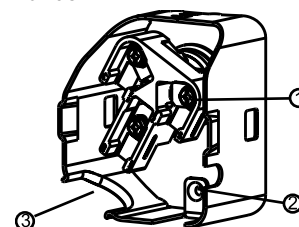


D=184 mm
H=565 mm
H1=404.7 mm
H2=537.8 mm
H3=- mm

Electrical Characteristics

Nominal voltage	208-230V/3/60Hz
Voltage range	188-253 V
Winding resistance between phases 1-2 +/- 7% at 25°C	0.280 Ω
Winding resistance between phases 1-3 +/- 7% at 25°C	0.280 Ω
Winding resistance between phases 2-3 +/- 7% at 25°C	0.260 Ω
Rated Load Amps (RLA)	28.8 A
Maximum Continuous Current (MCC)	45 A
Locked Rotor Amps (LRA)	250 A
Motor protection	Internal overload protector

Terminal box



IP22

- 1: Screw connectors 10-32 UNF x 9.5
- 2: Earth connection
- 3: Power cable passage

Recommended Installation torques

Oil sight glass	0 Nm
Power connections / Earth connection	3 Nm / 2 Nm

Parts shipped with compressor

Mounting kit with grommets and sleeves
Initial oil charge
Installation instructions

Approvals : CE certified, UL certified (file SA11565), -

*Singlepack: Compressor in cardboard box

**Industrial pack: 12 Unboxed compressors on pallet (order per multiples of 12)

Rotolock accessories, suction side
Code no.

Solder sleeve, P02 (1-3/4" Rotolock, 1-1/8" ODF)	8153004
Angle adapter, C02 (1-3/4" Rotolock, 1-1/8" ODF)	8168005
Rotolock valve, V02 (1-3/4" Rotolock, 1-1/8" ODF)	8168028
Gasket, 1-3/4"	8156132

Rotolock accessories, discharge side
Code no.

Rotolock valve, V05 (1-1/4" Rotolock, 7/8" ODF)	8168030
Gasket, 1-3/4"	8156132

Rotolock accessories, sets
Code no.

Solder sleeve adapter set (1-3/4" Rotolock, 1-1/8" ODF), (1-1/4" Rotolock, 7/8" ODF)	120Z0125
Valve set, V02(1"3/4~1"1/8), V05(1"1/4~7/8")	120Z0403
Gasket set, 1", 1-1/4", 1-3/4", OSG gaskets black & white	8156009

Oil / lubricants
Code no.

PVE lubricant, 320HV (FVC68D), 1 litre can	120Z5034
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Crankcase heaters
Code no.

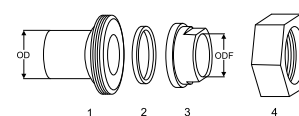
Belt type crankcase heater, 70 W, 230 V, UL	120Z5011
Belt type crankcase heater, 65 W, 230 V, CE mark, UL	120Z0059
Belt type crankcase heater, 65 W, 400 V, CE mark, UL	120Z0060
Belt type crankcase heater, 70 W, 460 V, UL	120Z5012
Belt type crankcase heater, 70 W, 575 V, UL	120Z5013

Miscellaneous accessories
Code no.

Discharge thermostat kit	7750009
IP54 upgrade kit	118U0057

Spare parts
Code no.

Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers	120Z5064
Mounting kit, including 1 bolt, 1 sleeve, 1 washer	120Z5031
Terminal box cover	120Z5018

Solder sleeve adapter set


- 1: Rotolock adapter (Suc & Dis)
- 2: Gasket (Suc & Dis)
- 3: Solder sleeve (Suc & Dis)
- 4: Rotolock nut (Suc & Dis)

Performance data at 50 Hz, EN 12900 rating conditions
R410A

Cond. temp. in °C (tc)	Evaporating temperature in °C (to)								
	-30	-20	-10	-5	0	5	10	20	25

Cooling capacity in W

15	-	-	-	-	-	-	-	-	-
20	-	12 760	19 085	23 031	27 576	32 776	-	-	-
30	-	11 323	17 225	20 889	25 105	29 927	35 414	-	-
40	-	9 698	15 072	18 402	22 234	26 624	31 628	43 701	-
50	-	-	12 660	15 597	18 988	22 885	27 344	38 167	-
60	-	-	-	12 458	15 331	18 656	22 486	31 870	-
65	-	-	-	-	13 269	16 256	19 713	-	-

Power input in W

15	-	-	-	-	-	-	-	-	-
20	-	3 818	3 879	3 846	3 744	3 550	-	-	-
30	-	4 661	4 754	4 781	4 768	4 694	4 539	-	-
40	-	5 836	5 854	5 888	5 911	5 904	5 845	5 490	-
50	-	-	7 359	7 346	7 353	7 359	7 343	7 163	-
60	-	-	-	9 335	9 272	9 238	9 211	9 100	-
65	-	-	-	-	10 467	10 392	10 340	-	-

Current consumption in A

15	-	-	-	-	-	-	-	-	-
20	-	19.05	19.33	19.33	19.20	18.90	-	-	-
30	-	20.18	20.38	20.43	20.39	20.24	19.94	-	-
40	-	22.60	22.62	22.65	22.65	22.59	22.43	21.68	-
50	-	-	26.19	26.14	26.12	26.09	26.01	25.58	-
60	-	-	-	31.03	30.93	30.87	30.82	30.60	-
65	-	-	-	-	33.88	33.79	33.73	-	-

Mass flow in kg/h

15	-	-	-	-	-	-	-	-	-
20	-	240	351	418	495	584	-	-	-
30	-	233	345	414	492	581	681	-	-
40	-	222	335	404	482	572	673	915	-
50	-	-	320	388	467	556	657	899	-
60	-	-	-	367	445	534	635	875	-
65	-	-	-	-	432	520	621	-	-

Coefficient of performance (C.O.P.)

15	-	-	-	-	-	-	-	-	-
20	-	3.34	4.92	5.99	7.37	9.23	-	-	-
30	-	2.43	3.62	4.37	5.27	6.38	7.80	-	-
40	-	1.66	2.57	3.13	3.76	4.51	5.41	7.96	-
50	-	-	1.72	2.12	2.58	3.11	3.72	5.33	-
60	-	-	-	1.33	1.65	2.02	2.44	3.50	-
65	-	-	-	-	1.27	1.56	1.91	-	-

Nominal performance at to = 5 °C, tc = 50 °C

Cooling capacity	22 885	W
Power input	7 359	W
Current consumption	26.09	A
Mass flow	556	kg/h
C.O.P.	3.11	

Pressure switch settings

Maximum HP switch setting	45	bar(g)
Minimum LP switch setting	1.5	bar(g)
LP pump down setting	2.3	bar(g)

Sound power data

Sound power level	75	dB(A)
With acoustic hood	69	dB(A)

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Superheat = 10 K , Subcooling = 0 K

Tolerance according EN12900

Performance data at 50 Hz, ARI rating conditions

R410A

Cond. temp. in °C (tc)	Evaporating temperature in °C (to)								
	-30	-20	-10	-5	0	5	10	20	25

Cooling capacity in W

15	-	-	-	-	-	-	-	-	-
20	-	13 628	20 350	24 540	29 362	34 875	-	-	-
30	-	12 215	18 545	22 471	26 982	32 139	38 002	-	-
40	-	10 609	16 447	20 058	24 208	28 959	34 370	47 409	-
50	-	-	14 101	17 346	21 086	25 381	30 289	42 186	-
60	-	-	-	14 381	17 660	21 448	25 804	36 459	-
65	-	-	-	-	15 848	19 363	23 424	-	-

Power input in W

15	-	-	-	-	-	-	-	-	-
20	-	3 818	3 879	3 846	3 744	3 550	-	-	-
30	-	4 661	4 754	4 781	4 768	4 694	4 539	-	-
40	-	5 836	5 854	5 888	5 911	5 904	5 845	5 490	-
50	-	-	7 359	7 346	7 353	7 359	7 343	7 163	-
60	-	-	-	9 335	9 272	9 238	9 211	9 100	-
65	-	-	-	-	10 467	10 392	10 340	-	-

Current consumption in A

15	-	-	-	-	-	-	-	-	-
20	-	19.05	19.33	19.33	19.20	18.90	-	-	-
30	-	20.18	20.38	20.43	20.39	20.24	19.94	-	-
40	-	22.60	22.62	22.65	22.65	22.59	22.43	21.68	-
50	-	-	26.19	26.14	26.12	26.09	26.01	25.58	-
60	-	-	-	31.03	30.93	30.87	30.82	30.60	-
65	-	-	-	-	33.88	33.79	33.73	-	-

Mass flow in kg/h

15	-	-	-	-	-	-	-	-	-
20	-	239	348	415	492	579	-	-	-
30	-	232	343	411	488	577	676	-	-
40	-	221	333	401	479	568	668	907	-
50	-	-	318	386	464	552	652	892	-
60	-	-	-	365	442	530	630	868	-
65	-	-	-	-	429	517	616	-	-

Coefficient of performance (C.O.P.)

15	-	-	-	-	-	-	-	-	-
20	-	3.57	5.25	6.38	7.84	9.82	-	-	-
30	-	2.62	3.90	4.70	5.66	6.85	8.37	-	-
40	-	1.82	2.81	3.41	4.10	4.90	5.88	8.64	-
50	-	-	1.92	2.36	2.87	3.45	4.12	5.89	-
60	-	-	-	1.54	1.90	2.32	2.80	4.01	-
65	-	-	-	-	1.51	1.86	2.27	-	-

Nominal performance at to = 7.2 °C, tc = 54.4 °C

Cooling capacity	25 670	W
Power input	8 119	W
Current consumption	28.01	A
Mass flow	586	kg/h
C.O.P.	3.16	

Pressure switch settings

Maximum HP switch setting	45	bar(g)
Minimum LP switch setting	1.5	bar(g)
LP pump down setting	2.3	bar(g)

Sound power data

Sound power level	75	dB(A)
With acoustic hood	69	dB(A)

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Superheat = 11.1 K , Subcooling = 8.3 K

Tolerance according EN12900

Performance data at 60 Hz, EN 12900 rating conditions
R410A

Cond. temp. in °C (tc)	Evaporating temperature in °C (to)							
	-30	-20	-10	-5	0	5	10	20

Cooling capacity in W

15	-	-	-	-	-	-	-	-	-
20	-	15 538	23 151	27 911	33 398	39 680	-	-	-
30	-	13 882	20 961	25 369	30 447	36 263	42 885	-	-
40	-	12 044	18 470	22 466	27 075	32 362	38 395	52 967	-
50	-	-	15 696	19 216	23 288	27 977	33 351	46 412	-
60	-	-	-	15 568	19 018	23 019	27 634	38 963	-
65	-	-	-	-	16 590	20 186	24 354	-	-

Power input in W

15	-	-	-	-	-	-	-	-	-
20	-	4 667	4 789	4 724	4 519	4 132	-	-	-
30	-	5 605	5 814	5 882	5 870	5 736	5 438	-	-
40	-	6 928	7 030	7 133	7 216	7 237	7 153	6 507	-
50	-	-	8 695	8 737	8 817	8 895	8 929	8 696	-
60	-	-	-	10 953	10 934	10 972	11 025	11 009	-
65	-	-	-	-	12 266	12 248	12 274	-	-

Current consumption in A

15	-	-	-	-	-	-	-	-	-
20	-	17.95	18.20	18.03	17.56	16.75	-	-	-
30	-	19.53	19.99	20.08	20.01	19.69	19.08	-	-
40	-	22.13	22.40	22.58	22.70	22.70	22.51	21.30	-
50	-	-	26.04	26.10	26.22	26.34	26.38	25.99	-
60	-	-	-	31.21	31.15	31.19	31.27	31.31	-
65	-	-	-	-	34.32	34.24	34.28	-	-

Mass flow in kg/h

15	-	-	-	-	-	-	-	-	-
20	-	292	425	507	600	706	-	-	-
30	-	286	420	502	596	704	825	-	-
40	-	276	410	493	587	695	816	1 109	-
50	-	-	396	479	573	680	801	1 093	-
60	-	-	-	459	552	659	780	1 070	-
65	-	-	-	-	540	646	767	-	-

Coefficient of performance (C.O.P.)

15	-	-	-	-	-	-	-	-	-
20	-	3.33	4.83	5.91	7.39	9.60	-	-	-
30	-	2.48	3.61	4.31	5.19	6.32	7.89	-	-
40	-	1.74	2.63	3.15	3.75	4.47	5.37	8.14	-
50	-	-	1.81	2.20	2.64	3.15	3.74	5.34	-
60	-	-	-	1.42	1.74	2.10	2.51	3.54	-
65	-	-	-	-	1.35	1.65	1.98	-	-

Nominal performance at to = 5 °C, tc = 50 °C

Cooling capacity	27 977	W
Power input	8 895	W
Current consumption	26.34	A
Mass flow	680	kg/h
C.O.P.	3.15	

Pressure switch settings

Maximum HP switch setting	45	bar(g)
Minimum LP switch setting	1.5	bar(g)
LP pump down setting	2.3	bar(g)

Sound power data

Sound power level	78	dB(A)
With acoustic hood	73	dB(A)

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Superheat = 10 K , Subcooling = 0 K

Tolerance according EN12900

Performance data at 60 Hz, ARI rating conditions
R410A

Cond. temp. in °C (tc)	Evaporating temperature in °C (to)								
	-30	-20	-10	-5	0	5	10	20	25

Cooling capacity in W

15	-	-	-	-	-	-	-	-	-
20	-	16 595	24 687	29 740	35 561	42 221	-	-	-
30	-	14 976	22 569	27 290	32 724	38 943	46 018	-	-
40	-	13 176	20 155	24 488	29 479	35 201	41 723	57 461	-
50	-	-	17 482	21 370	25 862	31 028	36 942	51 298	-
60	-	-	-	17 972	21 907	26 463	31 711	44 572	-
65	-	-	-	-	19 815	24 044	28 938	-	-

Power input in W

15	-	-	-	-	-	-	-	-	-
20	-	4 667	4 789	4 724	4 519	4 132	-	-	-
30	-	5 605	5 814	5 882	5 870	5 736	5 438	-	-
40	-	6 928	7 030	7 133	7 216	7 237	7 153	6 507	-
50	-	-	8 695	8 737	8 817	8 895	8 929	8 696	-
60	-	-	-	10 953	10 934	10 972	11 025	11 009	-
65	-	-	-	-	12 266	12 248	12 274	-	-

Current consumption in A

15	-	-	-	-	-	-	-	-	-
20	-	17.95	18.20	18.03	17.56	16.75	-	-	-
30	-	19.53	19.99	20.08	20.01	19.69	19.08	-	-
40	-	22.13	22.40	22.58	22.70	22.70	22.51	21.30	-
50	-	-	26.04	26.10	26.22	26.34	26.38	25.99	-
60	-	-	-	31.21	31.15	31.19	31.27	31.31	-
65	-	-	-	-	34.32	34.24	34.28	-	-

Mass flow in kg/h

15	-	-	-	-	-	-	-	-	-
20	-	291	423	503	596	702	-	-	-
30	-	284	417	499	592	699	819	-	-
40	-	274	408	490	583	690	811	1 100	-
50	-	-	394	475	569	675	796	1 085	-
60	-	-	-	456	549	654	774	1 062	-
65	-	-	-	-	536	642	761	-	-

Coefficient of performance (C.O.P.)

15	-	-	-	-	-	-	-	-	-
20	-	3.56	5.15	6.30	7.87	10.22	-	-	-
30	-	2.67	3.88	4.64	5.57	6.79	8.46	-	-
40	-	1.90	2.87	3.43	4.09	4.86	5.83	8.83	-
50	-	-	2.01	2.45	2.93	3.49	4.14	5.90	-
60	-	-	-	1.64	2.00	2.41	2.88	4.05	-
65	-	-	-	-	1.62	1.96	2.36	-	-

Nominal performance at to = 7.2 °C, tc = 54.4 °C

Cooling capacity	31 449	W
Power input	9 771	W
Current consumption	28.33	A
Mass flow	718	kg/h
C.O.P.	3.22	

Pressure switch settings

Maximum HP switch setting	45	bar(g)
Minimum LP switch setting	1.5	bar(g)
LP pump down setting	2.3	bar(g)

Sound power data

Sound power level	78	dB(A)
With acoustic hood	73	dB(A)

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Superheat = 11.1 K , Subcooling = 8.3 K

Tolerance according EN12900