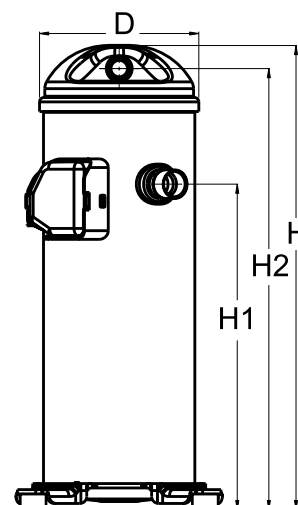


General Characteristics

Model number (on compressor nameplate)		DCJ106T4LC6
Code number for Singlepack*		121L5009
Code number for Industrial pack**		121L5008
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

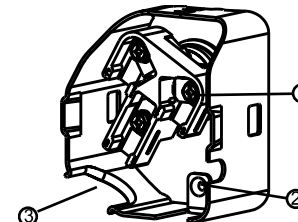


D=184 mm
H=565 mm
H1=404.7 mm
H2=537.8 mm
H3=- mm

Electrical Characteristics

Nominal voltage	380-415V/3/50Hz - 460V/3/60Hz
Voltage range	342-457 V @ 50Hz - 414-506 V @ 60Hz
Winding resistance between phases 1-2 +/- 7% at 25°C	1.100 Ω
Winding resistance between phases 1-3 +/- 7% at 25°C	1.100 Ω
Winding resistance between phases 2-3 +/- 7% at 25°C	1.100 Ω
Rated Load Amps (RLA)	16.7 A
Maximum Continuous Current (MCC)	26 A
Locked Rotor Amps (LRA)	125 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.

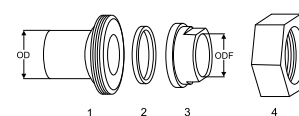
Belt type crankcase heater, 70 W, 230 V, UL	120Z5011
Belt type crankcase heater, 65 W, 230 V, CE mark, UL	120Z0059
Belt type crankcase heater, 65 W, 400 V, CE mark, UL	120Z0060
Belt type crankcase heater, 70 W, 460 V, UL	120Z5012
Belt type crankcase heater, 70 W, 575 V, UL	120Z5013

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

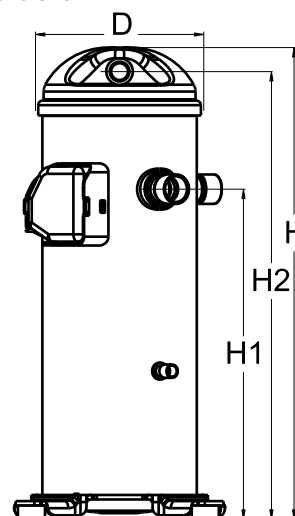
Solder sleeve adapter set


- 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)		DCJ106T4LC8
Code number for Singlepack*		121L5035
Code number for Industrial pack**		121L5034
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

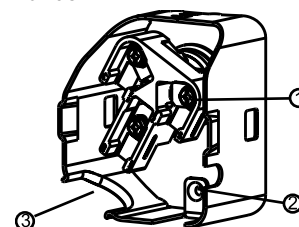


D=184 mm
H=565 mm
H1=404.7 mm
H2=537.8 mm
H3=- mm

Electrical Characteristics

Nominal voltage	380-415V/3/50Hz - 460V/3/60Hz
Voltage range	342-457 V @ 50Hz - 414-506 V @ 60Hz
Winding resistance between phases 1-2 +/- 7% at 25°C	1.100 Ω
Winding resistance between phases 1-3 +/- 7% at 25°C	1.100 Ω
Winding resistance between phases 2-3 +/- 7% at 25°C	1.100 Ω
Rated Load Amps (RLA)	16.7 A
Maximum Continuous Current (MCC)	26 A
Locked Rotor Amps (LRA)	125 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.

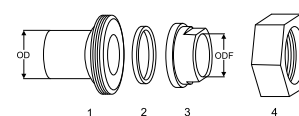
Belt type crankcase heater, 70 W, 230 V, UL	120Z5011
Belt type crankcase heater, 65 W, 230 V, CE mark, UL	120Z0059
Belt type crankcase heater, 65 W, 400 V, CE mark, UL	120Z0060
Belt type crankcase heater, 70 W, 460 V, UL	120Z5012
Belt type crankcase heater, 70 W, 575 V, UL	120Z5013

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

Cooling capacity in W

15	-	-	-	-	-	-	-	-	-
20	-	12 821	19 176	23 142	27 709	32 934	-	-	-
30	-	11 377	17 308	20 990	25 225	30 071	35 584	-	-
40	-	9 744	15 145	18 490	22 341	26 752	31 780	43 912	-
50	-	-	12 721	15 673	19 079	22 995	27 476	38 351	-
60	-	-	-	12 518	15 405	18 746	22 594	32 024	-
65	-	-	-	-	13 333	16 334	19 808	-	-

Power input in W

15	-	-	-	-	-	-	-	-	-
20	-	3 820	3 881	3 848	3 745	3 552	-	-	-
30	-	4 663	4 756	4 783	4 770	4 696	4 541	-	-
40	-	5 839	5 856	5 891	5 914	5 907	5 848	5 492	-
50	-	-	7 362	7 350	7 357	7 363	7 347	7 166	-
60	-	-	-	9 340	9 277	9 242	9 216	9 104	-
65	-	-	-	-	10 472	10 397	10 345	-	-

Current consumption in A

15	-	-	-	-	-	-	-	-	-
20	-	9.73	9.87	9.87	9.81	9.65	-	-	-
30	-	10.31	10.41	10.43	10.42	10.34	10.18	-	-
40	-	11.55	11.56	11.57	11.57	11.54	11.46	11.07	-
50	-	-	13.38	13.35	13.34	13.33	13.29	13.07	-
60	-	-	-	15.85	15.80	15.77	15.74	15.63	-
65	-	-	-	-	17.31	17.26	17.23	-	-

Mass flow in kg/h

15	-	-	-	-	-	-	-	-	-
20	-	241	352	420	498	586	-	-	-
30	-	234	347	416	494	583	685	-	-
40	-	223	337	406	485	574	676	919	-
50	-	-	321	390	469	559	660	903	-
60	-	-	-	369	447	537	638	880	-
65	-	-	-	-	434	523	624	-	-

Coefficient of performance (C.O.P.)

15	-	-	-	-	-	-	-	-	-
20	-	3.36	4.94	6.01	7.40	9.27	-	-	-
30	-	2.44	3.64	4.39	5.29	6.40	7.84	-	-
40	-	1.67	2.59	3.14	3.78	4.53	5.43	7.99	-
50	-	-	1.73	2.13	2.59	3.12	3.74	5.35	-
60	-	-	-	1.34	1.66	2.03	2.45	3.52	-
65	-	-	-	-	1.27	1.57	1.91	-	-

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

Cooling capacity	22 995	W
Power input	7 363	W
Current consumption	13.33	A
Mass flow	559	kg/h
C.O.P.	3.12	

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	-	13 694	20 448	24 658	29 503	35 043	-	-	-
30	-	12 274	18 635	22 579	27 112	32 294	38 185	-	-
40	-	10 660	16 526	20 154	24 325	29 099	34 535	47 637	-
50	-	-	14 169	17 430	21 188	25 503	30 435	42 389	-
60	-	-	-	14 451	17 745	21 551	25 928	36 634	-
65	-	-	-	-	15 924	19 456	23 537	-	-

Power input in W

15	-	-	-	-	-	-	-	-	-
20	-	3 820	3 881	3 848	3 745	3 552	-	-	-
30	-	4 663	4 756	4 783	4 770	4 696	4 541	-	-
40	-	5 839	5 856	5 891	5 914	5 907	5 848	5 492	-
50	-	-	7 362	7 350	7 357	7 363	7 347	7 166	-
60	-	-	-	9 340	9 277	9 242	9 216	9 104	-
65	-	-	-	-	10 472	10 397	10 345	-	-

Current consumption in A

15	-	-	-	-	-	-	-	-	-
20	-	9.73	9.87	9.87	9.81	9.65	-	-	-
30	-	10.31	10.41	10.43	10.42	10.34	10.18	-	-
40	-	11.55	11.56	11.57	11.57	11.54	11.46	11.07	-
50	-	-	13.38	13.35	13.34	13.33	13.29	13.07	-
60	-	-	-	15.85	15.80	15.77	15.74	15.63	-
65	-	-	-	-	17.31	17.26	17.23	-	-

Mass flow in kg/h

15	-	-	-	-	-	-	-	-	-
20	-	240	350	417	495	582	-	-	-
30	-	233	345	413	491	579	680	-	-
40	-	222	334	403	481	570	671	912	-
50	-	-	319	388	466	555	656	896	-
60	-	-	-	367	444	533	633	873	-
65	-	-	-	-	431	519	619	-	-

Coefficient of performance (C.O.P.)

15	-	-	-	-	-	-	-	-	-
20	-	3.59	5.27	6.41	7.88	9.87	-	-	-
30	-	2.63	3.92	4.72	5.68	6.88	8.41	-	-
40	-	1.83	2.82	3.42	4.11	4.93	5.91	8.67	-
50	-	-	1.92	2.37	2.88	3.46	4.14	5.91	-
60	-	-	-	1.55	1.91	2.33	2.81	4.02	-
65	-	-	-	-	1.52	1.87	2.28	-	-

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

Cooling capacity	25 794	W
Power input	8 123	W
Current consumption	14.31	A
Mass flow	589	kg/h
C.O.P.	3.18	

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	-	15 549	23 168	27 932	33 422	39 709	-	-	-
30	-	13 892	20 976	25 388	30 470	36 289	42 916	-	-
40	-	12 053	18 483	22 483	27 094	32 385	38 422	53 006	-
50	-	-	15 707	19 230	23 305	27 998	33 375	46 445	-
60	-	-	-	15 579	19 032	23 035	27 654	38 991	-
65	-	-	-	-	16 602	20 200	24 372	-	-

Power input in W

15	-	-	-	-	-	-	-	-	-
20	-	4 620	4 740	4 676	4 473	4 090	-	-	-
30	-	5 548	5 755	5 822	5 810	5 677	5 382	-	-
40	-	6 857	6 958	7 060	7 142	7 163	7 080	6 441	-
50	-	-	8 606	8 647	8 727	8 804	8 837	8 607	-
60	-	-	-	10 841	10 822	10 859	10 912	10 896	-
65	-	-	-	-	12 141	12 122	12 148	-	-

Current consumption in A

15	-	-	-	-	-	-	-	-	-
20	-	9.06	9.19	9.10	8.87	8.46	-	-	-
30	-	9.86	10.09	10.14	10.10	9.95	9.63	-	-
40	-	11.18	11.31	11.40	11.46	11.46	11.37	10.76	-
50	-	-	13.15	13.18	13.24	13.30	13.32	13.12	-
60	-	-	-	15.76	15.73	15.75	15.79	15.81	-
65	-	-	-	-	17.33	17.29	17.31	-	-

Mass flow in kg/h

15	-	-	-	-	-	-	-	-	-
20	-	293	426	507	600	707	-	-	-
30	-	286	420	503	597	704	826	-	-
40	-	276	411	493	588	695	817	1 109	-
50	-	-	396	479	573	680	802	1 094	-
60	-	-	-	459	553	659	780	1 071	-
65	-	-	-	-	540	647	767	-	-

Coefficient of performance (C.O.P.)

15	-	-	-	-	-	-	-	-	-
20	-	3.37	4.89	5.97	7.47	9.71	-	-	-
30	-	2.50	3.64	4.36	5.24	6.39	7.97	-	-
40	-	1.76	2.66	3.18	3.79	4.52	5.43	8.23	-
50	-	-	1.83	2.22	2.67	3.18	3.78	5.40	-
60	-	-	-	1.44	1.76	2.12	2.53	3.58	-
65	-	-	-	-	1.37	1.67	2.01	-	-

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

Cooling capacity	27 998	W
Power input	8 804	W
Current consumption	13.30	A
Mass flow	680	kg/h
C.O.P.	3.18	

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	-	16 607	24 705	29 762	35 587	42 251	-	-	-
30	-	14 987	22 585	27 310	32 748	38 972	46 052	-	-
40	-	13 185	20 170	24 506	29 501	35 226	41 754	57 503	-
50	-	-	17 495	21 386	25 880	31 051	36 969	51 336	-
60	-	-	-	17 985	21 923	26 482	31 734	44 604	-
65	-	-	-	-	19 829	24 061	28 959	-	-

Power input in W

15	-	-	-	-	-	-	-	-	-
20	-	4 620	4 740	4 676	4 473	4 090	-	-	-
30	-	5 548	5 755	5 822	5 810	5 677	5 382	-	-
40	-	6 857	6 958	7 060	7 142	7 163	7 080	6 441	-
50	-	-	8 606	8 647	8 727	8 804	8 837	8 607	-
60	-	-	-	10 841	10 822	10 859	10 912	10 896	-
65	-	-	-	-	12 141	12 122	12 148	-	-

Current consumption in A

15	-	-	-	-	-	-	-	-	-
20	-	9.06	9.19	9.10	8.87	8.46	-	-	-
30	-	9.86	10.09	10.14	10.10	9.95	9.63	-	-
40	-	11.18	11.31	11.40	11.46	11.46	11.37	10.76	-
50	-	-	13.15	13.18	13.24	13.30	13.32	13.12	-
60	-	-	-	15.76	15.73	15.75	15.79	15.81	-
65	-	-	-	-	17.33	17.29	17.31	-	-

Mass flow in kg/h

15	-	-	-	-	-	-	-	-	-
20	-	291	423	504	596	702	-	-	-
30	-	284	418	499	593	699	820	-	-
40	-	274	408	490	584	690	811	1 101	-
50	-	-	394	476	569	676	796	1 085	-
60	-	-	-	456	549	655	775	1 063	-
65	-	-	-	-	537	642	762	-	-

Coefficient of performance (C.O.P.)

15	-	-	-	-	-	-	-	-	-
20	-	3.59	5.21	6.37	7.96	10.33	-	-	-
30	-	2.70	3.92	4.69	5.64	6.86	8.56	-	-
40	-	1.92	2.90	3.47	4.13	4.92	5.90	8.93	-
50	-	-	2.03	2.47	2.97	3.53	4.18	5.96	-
60	-	-	-	1.66	2.03	2.44	2.91	4.09	-
65	-	-	-	-	1.63	1.98	2.38	-	-

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

Cooling capacity	31 472	W
Power input	9 671	W
Current consumption	14.31	A
Mass flow	718	kg/h
C.O.P.	3.25	

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