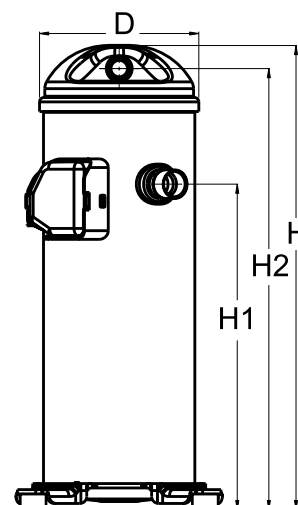


General Characteristics

Model number (on compressor nameplate)		DCJ121T9LC6
Code number for Singlepack*		121L5023
Code number for Industrial pack**		121L5022
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		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

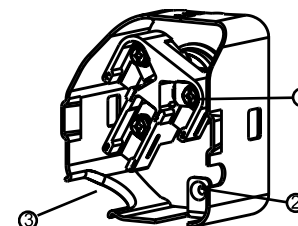


D=184 mm
H=565 mm
H1=404.7 mm
H2=537.8 mm
H3=- mm

Electrical Characteristics

Nominal voltage	380V/3/60Hz
Voltage range	342-418 V
Winding resistance between phases 1-2 +/- 7% at 25°C	0.700 Ω
Winding resistance between phases 1-3 +/- 7% at 25°C	0.700 Ω
Winding resistance between phases 2-3 +/- 7% at 25°C	0.700 Ω
Rated Load Amps (RLA)	19.9 A
Maximum Continuous Current (MCC)	31 A
Locked Rotor Amps (LRA)	155 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.

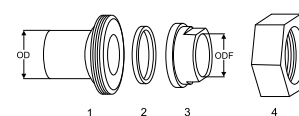
Belt type crankcase heater, 70 W, 230 V, UL	120Z5011
Belt type crankcase heater, 65 W, 230 V, CE mark, UL	120Z0059
Belt type crankcase heater, 65 W, 400 V, CE mark, UL	120Z0060
Belt type crankcase heater, 70 W, 460 V, UL	120Z5012
Belt type crankcase heater, 70 W, 575 V, UL	120Z5013

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

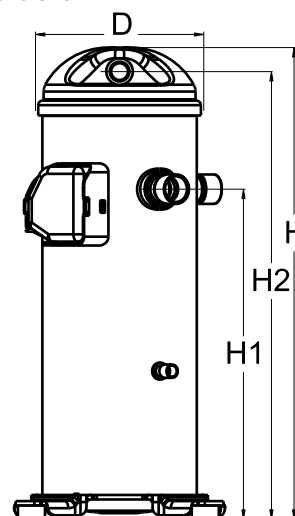
Solder sleeve adapter set


- 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)		DCJ121T9LC8
Code number for Singlepack*		121L5049
Code number for Industrial pack**		121L5048
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 cm3/rev
Displacement @ Nominal speed		18.3 m3/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

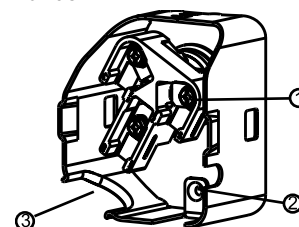


D=184 mm
H=565 mm
H1=404.7 mm
H2=537.8 mm
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Electrical Characteristics

Nominal voltage		380V/3/60Hz
Voltage range		342-418 V
Winding resistance between phases 1-2 +/- 7% at 25°C		0.700 Ω
Winding resistance between phases 1-3 +/- 7% at 25°C		0.700 Ω
Winding resistance between phases 2-3 +/- 7% at 25°C		0.700 Ω
Rated Load Amps (RLA)		19.9 A
Maximum Continuous Current (MCC)		31 A
Locked Rotor Amps (LRA)		155 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.

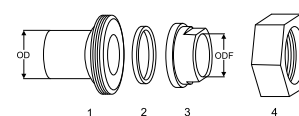
Belt type crankcase heater, 70 W, 230 V, UL	120Z5011
Belt type crankcase heater, 65 W, 230 V, CE mark, UL	120Z0059
Belt type crankcase heater, 65 W, 400 V, CE mark, UL	120Z0060
Belt type crankcase heater, 70 W, 460 V, UL	120Z5012
Belt type crankcase heater, 70 W, 575 V, UL	120Z5013

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 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	25

Cooling capacity in W

15	-	-	-	-	-	-	-	-	-
20	-	17 891	26 491	31 868	38 064	45 155	-	-	-
30	-	16 003	24 072	29 092	34 869	41 478	48 995	-	-
40	-	13 803	21 164	25 737	31 004	37 039	43 917	60 497	-
50	-	-	17 830	21 862	26 522	31 884	38 021	52 908	-
60	-	-	-	17 458	21 394	25 958	31 221	44 125	-
65	-	-	-	-	18 482	22 571	27 313	-	-

Power input in W

15	-	-	-	-	-	-	-	-	-
20	-	5 202	5 346	5 284	5 069	4 655	-	-	-
30	-	6 282	6 510	6 597	6 604	6 483	6 186	-	-
40	-	7 855	7 918	8 030	8 134	8 182	8 126	7 516	-
50	-	-	9 911	9 924	10 000	10 092	10 152	9 990	-
60	-	-	-	12 618	12 542	12 554	12 606	12 643	-
65	-	-	-	-	14 173	14 099	14 100	-	-

Current consumption in A

15	-	-	-	-	-	-	-	-	-
20	-	11.87	12.02	11.89	11.56	11.00	-	-	-
30	-	13.10	13.38	13.44	13.39	13.19	12.79	-	-
40	-	15.21	15.31	15.41	15.49	15.50	15.39	14.67	-
50	-	-	18.21	18.21	18.26	18.33	18.37	18.19	-
60	-	-	-	22.24	22.12	22.10	22.13	22.20	-
65	-	-	-	-	24.58	24.46	24.44	-	-

Mass flow in kg/h

15	-	-	-	-	-	-	-	-	-
20	-	338	488	580	685	805	-	-	-
30	-	330	483	577	684	806	944	-	-
40	-	317	471	566	674	796	936	1 269	-
50	-	-	451	545	653	776	916	1 250	-
60	-	-	-	515	622	745	884	1 217	-
65	-	-	-	-	603	725	863	-	-

Coefficient of performance (C.O.P.)

15	-	-	-	-	-	-	-	-	-
20	-	3.44	4.96	6.03	7.51	9.70	-	-	-
30	-	2.55	3.70	4.41	5.28	6.40	7.92	-	-
40	-	1.76	2.67	3.20	3.81	4.53	5.40	8.05	-
50	-	-	1.80	2.20	2.65	3.16	3.75	5.30	-
60	-	-	-	1.38	1.71	2.07	2.48	3.49	-
65	-	-	-	-	1.30	1.60	1.94	-	-

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

Cooling capacity	31 884	W
Power input	10 092	W
Current consumption	18.33	A
Mass flow	776	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	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	-	19 108	28 248	33 956	40 529	48 046	-	-	-
30	-	17 264	25 918	31 294	37 476	44 543	52 575	-	-
40	-	15 100	23 095	28 053	33 758	40 288	47 724	65 630	-
50	-	-	19 859	24 313	29 453	35 361	42 115	58 479	-
60	-	-	-	20 154	24 644	29 842	35 827	50 477	-
65	-	-	-	-	22 075	26 886	32 454	-	-

Power input in W

15	-	-	-	-	-	-	-	-	-
20	-	5 202	5 346	5 284	5 069	4 655	-	-	-
30	-	6 282	6 510	6 597	6 604	6 483	6 186	-	-
40	-	7 855	7 918	8 030	8 134	8 182	8 126	7 516	-
50	-	-	9 911	9 924	10 000	10 092	10 152	9 990	-
60	-	-	-	12 618	12 542	12 554	12 606	12 643	-
65	-	-	-	-	14 173	14 099	14 100	-	-

Current consumption in A

15	-	-	-	-	-	-	-	-	-
20	-	11.87	12.02	11.89	11.56	11.00	-	-	-
30	-	13.10	13.38	13.44	13.39	13.19	12.79	-	-
40	-	15.21	15.31	15.41	15.49	15.50	15.39	14.67	-
50	-	-	18.21	18.21	18.26	18.33	18.37	18.19	-
60	-	-	-	22.24	22.12	22.10	22.13	22.20	-
65	-	-	-	-	24.58	24.46	24.44	-	-

Mass flow in kg/h

15	-	-	-	-	-	-	-	-	-
20	-	336	485	576	681	800	-	-	-
30	-	328	480	573	680	800	937	-	-
40	-	315	468	562	669	791	929	1 259	-
50	-	-	448	542	649	771	909	1 240	-
60	-	-	-	512	618	740	877	1 207	-
65	-	-	-	-	599	720	857	-	-

Coefficient of performance (C.O.P.)

15	-	-	-	-	-	-	-	-	-
20	-	3.67	5.28	6.43	8.00	10.32	-	-	-
30	-	2.75	3.98	4.74	5.67	6.87	8.50	-	-
40	-	1.92	2.92	3.49	4.15	4.92	5.87	8.73	-
50	-	-	2.00	2.45	2.95	3.50	4.15	5.85	-
60	-	-	-	1.60	1.96	2.38	2.84	3.99	-
65	-	-	-	-	1.56	1.91	2.30	-	-

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

Cooling capacity	35 723	W
Power input	11 122	W
Current consumption	19.87	A
Mass flow	817	kg/h
C.O.P.	3.21	

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