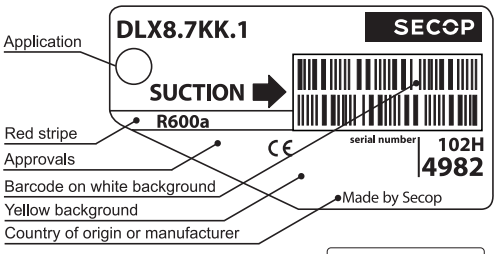
DLX8.7KK.1
High Energy-optimized Compressor
R600a
220-240V 50Hz



Yellow warning label

General

Code number	102H4982
Approvals	EN 60335-2-34 with Annex AA
Compressors on pallet	100

Application

Application		LBP	
Frequency	Hz	50	60
Evaporating temperature	°C	-35 to -10	–
Voltage range	V	198 - 254	–
Max. condensing temperature continuous (short)	°C	60 (70)	–
Max. winding temperature continuous (short)	°C	105 (115)	–

Cooling requirements

Frequency	Hz	50			60		
Application		LBP	MBP	HBP	LBP	MBP	HBP
32°C		S	–	–	–	–	–
38°C		S	–	–	–	–	–
43°C		S	–	–	–	–	–
Remarks on application:							

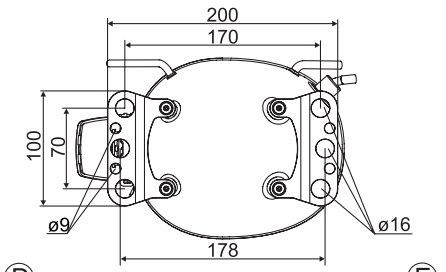
S = Static cooling normally sufficient
O = Oil cooling
F_1 = Fan cooling 1.5 m/s (compressor compartment temperature equal to ambient temperature)
F_2 = Fan cooling 3.0 m/s necessary
SG = Suction gas cooling normally sufficent
– = not applicable in this area

Motor

Motor type		RSCR	
LRA (rated after 4 sec. UL984), HST | LST	A	–	3.1
Cut in Current, HST | LST	A	–	6.1
Resistance, main | start winding (25°C)	Ω	20.2	22.8

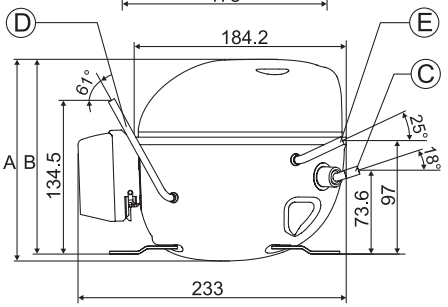
Design

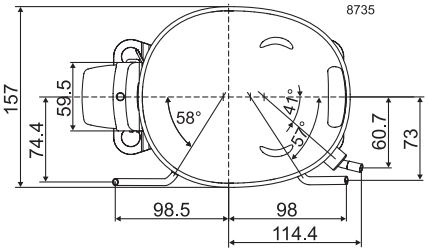
Displacement	cm^3	8.67
Oil quantity (type)	cm^3	155 (mineral)
Maximum refrigerant charge	g	150
Free gas volume in compressor	cm^3	1400
Weight without electrical equipment	kg	9.3



Dimensions

Height	mm	A	175
		B	169
		B1	–
		B2	–
Suction connector	location/I.D. mm | angle	C	6.2 | 18°
	material | comment		Copper | Rubber plug
Process connector	location/I.D. mm | angle	D	4.5 | 60°
	material | comment		Copper | Rubber plug
Discharge connector	location/I.D. mm | angle	E	5.0 | 25°
	material | comment		Copper | Rubber plug
Oil cooler connector	location/I.D. mm | angle	F	–
	material | comment		–
Connector tolerance	I.D. mm		±0.09, on 5.0 +0.12/+0.22 on 4.5 +0.10/-0.20
Remarks: With evaporator tray holder			



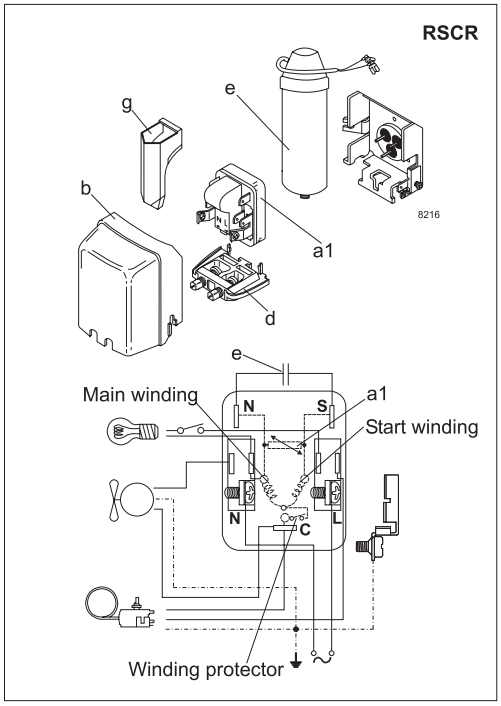


EN 12900 Household (CECOMAF) 220V, 50Hz, RC 2.5 µF, ePTC consumption incl., static cooling

Evap. temp. in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W			62.1	85	113	124	146	186	232								
Power cons. in W			55.0	65.6	76.4	79.6	87.0	98.0	111								
Current cons. in A			0.26	0.31	0.36	0.38	0.41	0.46	0.52								
COP in W/W			1.13	1.30	1.48	1.55	1.69	1.89	2.10								

ASHRAE LBP 220V, 50Hz, RC 2.5 µF, ePTC consumption incl., static cooling

Evap. temp. in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W			76.1	104	138	151	179	227	284								
Power cons. in W			55.2	65.7	75.9	80.3	86.0	98.0	110								
Current cons. in A			0.26	0.31	0.36	0.38	0.41	0.46	0.52								
COP in W/W			1.38	1.59	1.82	1.88	2.07	2.32	2.57								



Accessories for	DLX8.7KK.1	Figure	Code number
PTC starting device	6.3 mm spade connectors	a1	103N0016
	4.8 mm spade connectors		103N0021
ePTC starting device	4.8 mm spade connectors		103N0055
Cover		b	103N0491
Run capacitor 2.5 µF	6.3 mm spade connectors	e	–
(compulsory)	4.8 mm spade connectors		117-7139
Cord relief		d	103N1010
Protection screen for PTC		g	103N0476

Test conditions	EN 12900/ CECOMAF	ASHRAE LBP
Condensing temperature	55°C	54.4°C
Ambient temperature	32°C	32°C
Suction gas temperature	32°C	32°C
Liquid temperature	no subcooling	32°C

Mounting accessories		Code number
Bolt joint for one comp.	Ø: 16 mm	118-1917
Bolt joint in quantities	Ø: 16 mm	118-1918
Snap-on in quantities	Ø: 16 mm	118-1919

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