

DLX9.4KK.1 High Energy-optimized Compressor R600a 220-240V 50Hz

General

Code number	102H4159
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:							

Motor

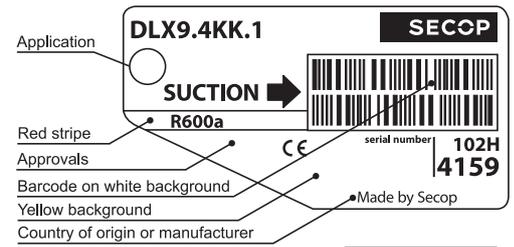
Motor type	RSCR		
LRA (rated after 4 sec. UL984), HST LST	A	-	3.1
Cut in Current, HST LST	A	-	6.1
Resistance, main start winding (25°C)	Ω	20.2	22.8

Design

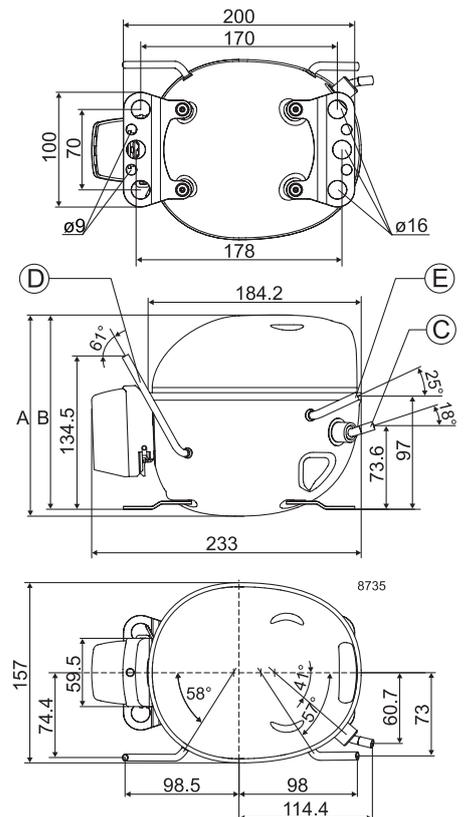
Displacement	cm ³	9.38
Oil quantity (type)	cm ³	155 (mineral)
Maximum refrigerant charge	g	150
Free gas volume in compressor	cm ³	1400
Weight without electrical equipment	kg	9.4

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:			



- S = Static cooling normally sufficient
- O = Oil cooling
- F₁ = Fan cooling 1.5 m/s
(compressor compartment temperature equal to ambient temperature)
- F₂ = Fan cooling 3.0 m/s necessary
- SG = Suction gas cooling normally sufficient
- = not applicable in this area

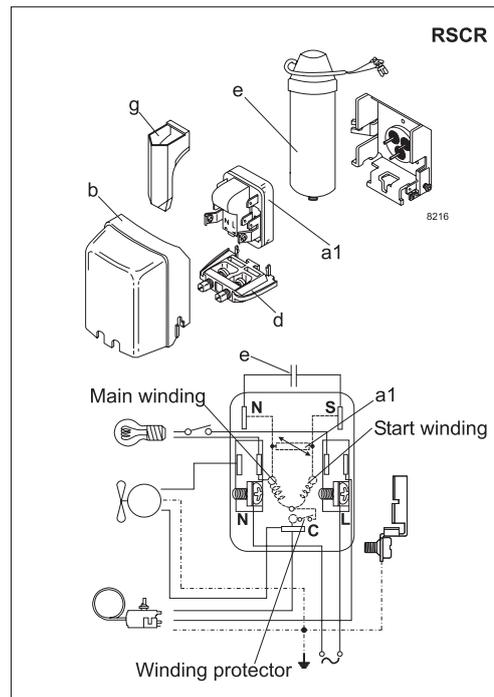


EN 12900 Household (CECOMAF) 220V, 50Hz, RC 3.5 µF, ePTC consumption incl., static cooling

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			69.1	95	126	138	163	207	259								
Power cons. in W			61.6	73.5	85.7	89.2	97.0	110	124								
Current cons. in A			0.28	0.34	0.39	0.41	0.45	0.51	0.57								
COP in W/W			1.12	1.29	1.47	1.54	1.68	1.88	2.08								

ASHRAE LBP 220V, 50Hz, RC 3.5 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			84.8	116	154	168	199	253	316								
Power cons. in W			61.9	73.6	85.1	90.3	97.0	110	124								
Current cons. in A			0.28	0.34	0.39	0.41	0.45	0.51	0.56								
COP in W/W			1.37	1.58	1.81	1.86	2.06	2.31	2.56								



Accessories for	DLX9.4KK.1	Figure	Code number	Test conditions	EN 12900/ CECOMAF	ASHRAE LBP
PTC starting device	6.3 mm spade connectors	a1	103N0016	Condensing temperature	55°C	54.4°C
	4.8 mm spade connectors		103N0021	Ambient temperature	32°C	32°C
ePTC starting device	4.8 mm spade connectors		103N0055	Suction gas temperature	32°C	32°C
Cover		b	103N0491	Liquid temperature	no subcooling	32°C
Run capacitor 3.5 µF (compulsory)	6.3 mm spade connectors	e	—	Mounting accessories		
	4.8 mm spade connectors		117-7140	Code number		
Cord relief		d	103N1010	Bolt joint for one comp.	Ø: 16 mm	118-1917
Protection screen for PTC		g	103N0476	Bolt joint in quantities	Ø: 16 mm	118-1918
				Snap-on in quantities	Ø: 16 mm	118-1919

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