

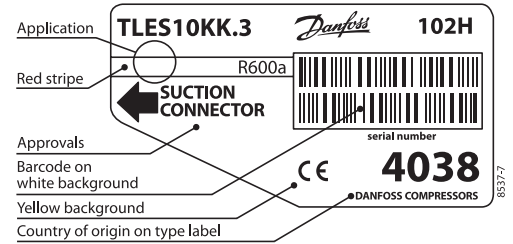


TLES10KK.3

Energy-optimized Compressor

R600a

220-240V 50Hz



General

Code number	102H4038
Approvals	EN 60335-2-34 with Annex AA
Compressors on pallet	125

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	125 (135)	-

Cooling requirements

Frequency	Hz	50			60		
		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
- 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

Motor

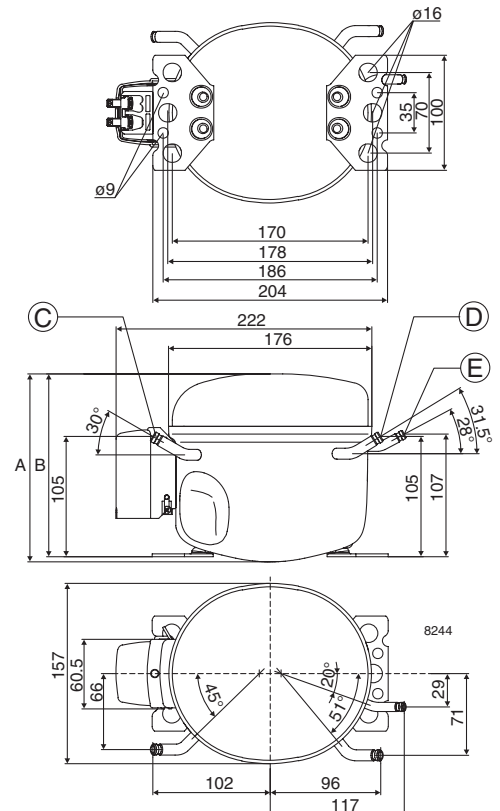
Motor type	RSIR/RSCR		
LRA (rated after 4 sec. UL984), HST LST	A	-	4.8
Cut in Current, HST LST	A	-	9.2
Resistance, main start winding (25°C)	Ω	17.2	15.2

Design

Displacement	cm ³	10.13
Oil quantity (type)	cm ³	180 (mineral)
Maximum refrigerant charge	g	150
Free gas volume in compressor	cm ³	1690
Weight without electrical equipment	kg	7.6

Dimensions

Height	mm	A	173
		B	169
		B1	-
		B2	-
Suction connector	location/I.D. mm angle	C	6.2 30°
	material comment		Cu-plated steel Al caps
Process connector	location/I.D. mm angle	D	6.2 31.5°
	material comment		Cu-plated steel Al caps
Discharge connector	location/I.D. mm angle	E	5.0 28°
	material comment		Cu-plated steel Al caps
Oil cooler connector	location/I.D. mm angle	F	-
	material comment		-
Connector tolerance	I.D. mm		±0.09, on 5.0 +0.12/+0.20
Remarks:			



EN 12900 Household (CECOMAF) 220V, 50Hz, 2W PTC 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			72.7	96.6	126	137	162	205	255								
Power cons. in W			97.1	113	128	133	144	160	179								
Current cons. in A			0.89	0.94	0.98	1.00	1.03	1.08	1.13								
COP in W/W			0.75	0.86	0.98	1.03	1.13	1.28	1.43								

EN 12900 Household (CECOMAF) 220V, 50Hz, RC 4µF, 2W PTC consumption incl., static cooling

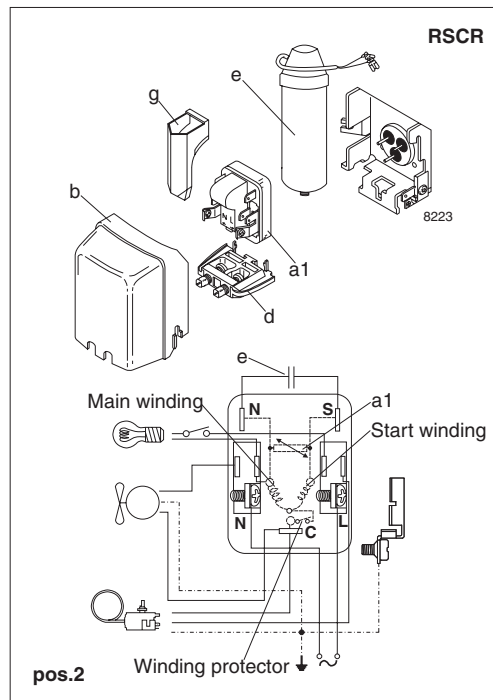
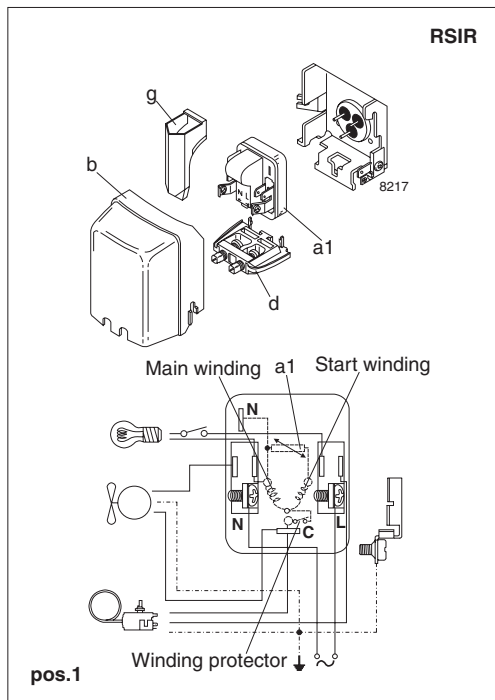
Evap. temp. in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W			72.7	96.6	126	137	162	205	255								
Power cons. in W			89.8	104	118	123	133	148	165								
Current cons. in A			0.45	0.51	0.58	0.60	0.65	0.72	0.79								
COP in W/W			0.81	0.93	1.06	1.11	1.22	1.38	1.54								

ASHRAE LBP 220V, 50Hz, 2W PTC 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			88.8	118	154	168	197	250	312								
Power cons. in W			97.3	113	128	133	143	160	178								
Current cons. in A			0.89	0.94	0.98	1.00	1.03	1.08	1.13								
COP in W/W			0.91	1.05	1.20	1.26	1.38	1.56	1.75								

ASHRAE LBP 220V, 50Hz, RC 4µF, 2W PTC 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			88.8	118	154	168	197	250	312								
Power cons. in W			90.0	104	118	123	133	148	165								
Current cons. in A			0.45	0.51	0.58	0.60	0.65	0.71	0.78								
COP in W/W			0.99	1.13	1.30	1.36	1.49	1.69	1.89								



Accessories for	TLES10KK.3	Figure	Code number
PTC starting device	6.3 mm spade connectors	a1 (pos.1)	103N0011
	4.8 mm spade connectors		103N0018
PTC starting device	6.3 mm spade connectors	a1 (pos.2)	103N0016
	4.8 mm spade connectors		103N0021
ePTC starting device	4.8 mm spade connectors		103N0050
Cover		b	103N2010
Cord relief		d	103N1010
Run capacitor 4 µF (optional)	6.3 mm spade connectors	e	117-7117
	4.8 mm spade connectors		117-7119
Protection screen for PTC		g	103N0476

Test conditions	EN 12900/CECOMAF	ASHRAE
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 compressor	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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