

# TLX8.7KK.3 High Energy-optimized Compressor R600a 220-240V 50Hz

## General

Code number	102H4947
Approvals	EN 60335-2-34 with Annex AA
Compressors on pallet	125

## Application

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

## Motor

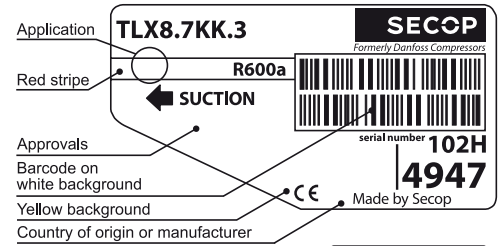
Motor type	RSCR		
LRA (rated after 4 sec. UL984), HST   LST	A	-	3.6
Cut in Current, HST   LST	A	-	8.4
Resistance, main   start winding (25°C)	Ω	19.0	13.0

## Design

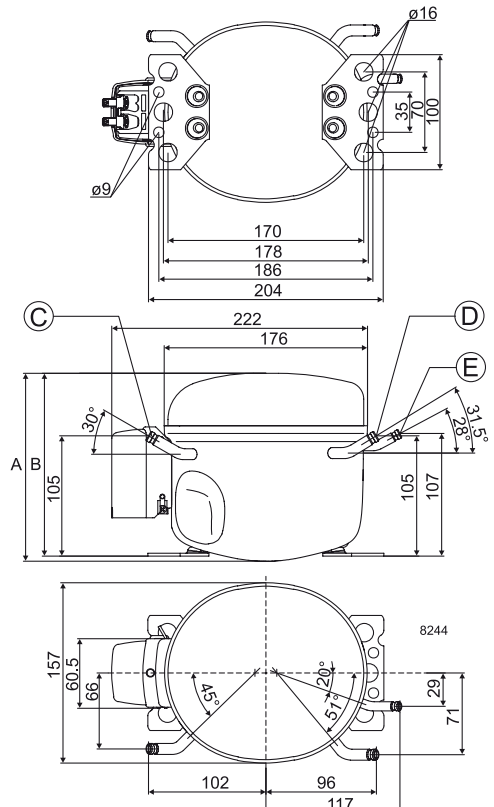
Displacement	cm <sup>3</sup>	8.67
Oil quantity (type)	cm <sup>3</sup>	180 (mineral)
Maximum refrigerant charge	g	150
Free gas volume in compressor	cm <sup>3</sup>	1790
Weight without electrical equipment	kg	8.3

## 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 cap
Process connector	location/I.D. mm   angle	D	6.2   31.5°
		material   comment	Cu-plated steel   Al cap
Discharge connector	location/I.D. mm   angle	E	5.0   28°
		material   comment	Cu-plated steel   Al cap
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:			



- S = Static cooling normally sufficient
- O = Oil cooling
- F<sub>1</sub> = Fan cooling 1.5 m/s (compressor compartment temperature equal to ambient temperature)
- F<sub>2</sub> = Fan cooling 3.0 m/s necessary
- SG = Suction gas cooling normally sufficient
- = not applicable in this area

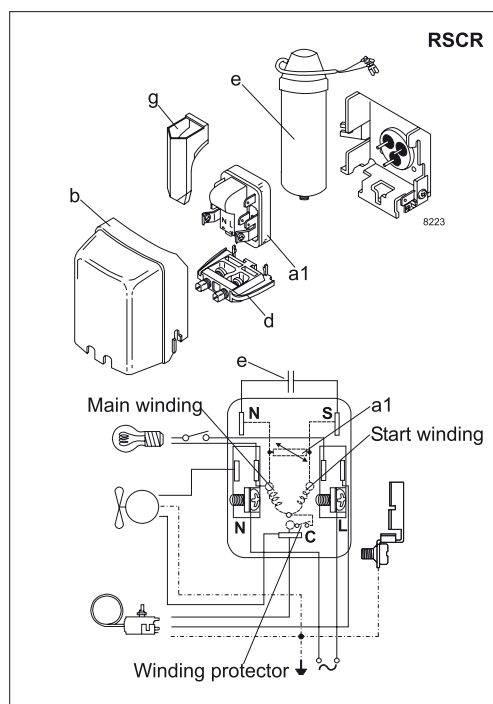


**EN 12900 Household (CECOMAF)** 220V, 50Hz, RC 4µF, ePTC consumption incl., static cooling

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			64.8	87.9	115	125	146	184	227								
Power cons. in W			65.7	76.9	87.7	91.4	98.7	110	123								
Current cons. in A			0.33	0.37	0.42	0.44	0.47	0.53	0.59								
COP in W/W			0.99	1.14	1.31	1.37	1.48	1.66	1.84								

**ASHRAE LBP** 220V, 50Hz, RC 4µF, 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			78.8	107	140	152	178	224	276								
Power cons. in W			65.7	76.9	87.7	91.4	98.7	110	123								
Current cons. in A			0.33	0.37	0.42	0.44	0.47	0.53	0.59								
COP in W/W			1.20	1.39	1.59	1.66	1.81	2.02	2.24								



Accessories for	TLX8.7KK.3	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		103N0050
Cover		b	103N2010
Cord relief		d	103N1010
Run capacitor 4 µF (compulsory)	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	55°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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