

TLX4KK.4 High Energy-optimized Compressor R600a 220-240V 50Hz

General

Code number	102H4449
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	105 (115)	_			

Application TLX4KK.4 Danber 102H Red stripe SUCTION CONNECTOR Serial number Approvals Barcode on white background Yellow background Country of origin on type label



Cooling requirements

Frequency	Hz		50			60	
Application		LBP	MBP	НВР	LBP	MBP	НВР
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)
- F_2 = Fan cooling 3.0 m/s necessary
- SG = Suction gas cooling normally sufficent
- = not applicable in this area

Motor

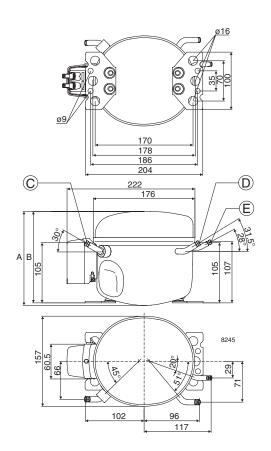
Motor type		RSCR			
LRA (rated after 4 sec. UL984), HST LST	Α	_	1.4		
Cut in Current, HST LST	Α	_	4.0		
Resistance, main start winding (25°C)	Ω	61	37		

Design

Displacement	cm³	4.01
Oil quantity (type)	cm³	180 (mineral)
Maximum refrigerant charge	g	150
Free gas volume in compressor	cm³	1790
Weight without electrical equipment	kg	8.2

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

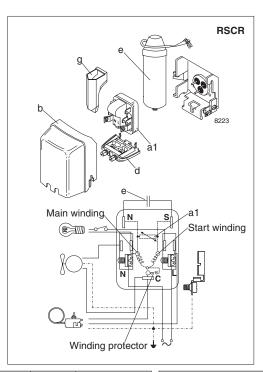


EN 12900 Household (CECOMAF) 220V, 50Hz, RC 2μF, ePTC consumption incl., static cooling (standard PTC: +2 watt power consumption, affects COP)

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			21.2	32.9	46.0	50.8	60.9	78.0	97.8								
Power cons. in W			27.0	31.7	36.2	37.7	40.6	45.2	50.2								
Current cons. in A			0.16	0.17	0.19	0.19	0.21	0.23	0.25								
COP in W/W			0.78	1.04	1.27	1.35	1.50	1.73	1.95								

ASHRAE LBP	220V, 50Hz, RC 2μF, ePTC consumption incl., static cooling (standard PTC: +2 watt power consumption, affects COP)

										_							
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			26.2	40.4	56.3	62.2	74.4	95.3	120								
Power cons. in W			27.1	31.7	36.1	37.6	40.5	45.0	50.0								
Current cons. in A			0.16	0.17	0.19	0.19	0.21	0.23	0.25								
COP in W/W			0.97	1.27	1.56	1.65	1.84	2.12	2.39								



Accessories	TLX4KK.4	Figure	Code number
PTC starting device	6.3 mm spade connectors		103N0016
	4.8 mm spade connectors	a1	103N0021
ePTC starting device	4.8 mm spade connectors		103N0050
Cover		b	103N2010
Cord relief		d	103N1010
Run capacitor 2 μF	6.3 mm spade connectors		-
(compulsory)	4.8 mm spade connectors	е	117-7136
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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