

TLES7KTK

Energy-optimized Tropical Compressor

R600a

220-240V 50Hz

Data Sheet (Replaces CD.52.W1.02)

General

Compressor	TLES7KTK
Code number	102H4736

Application

Application		LBP
Evaporating temperature range	°C	-35 to -10
Voltage range	V/Hz	187 - 254 /50
Motor type		RSIR/RSCR
Max. ambient temperature	°C	43
Comp. cooling at ambient temp.	32°C	S
	38°C	S
	43°C	S

Design

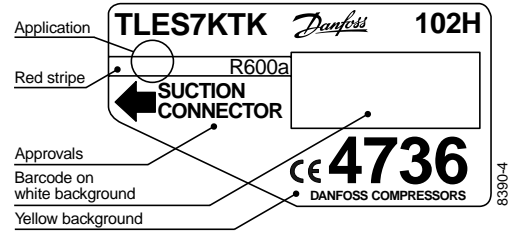
Displacement	cm ³	6.49
Oil quantity	cm ³	180
Maximum refrigerant charge	g	150
Free gas vol. in compressor	cm ³	1790
Weight without electrical equipment	kg	7.5

Motor

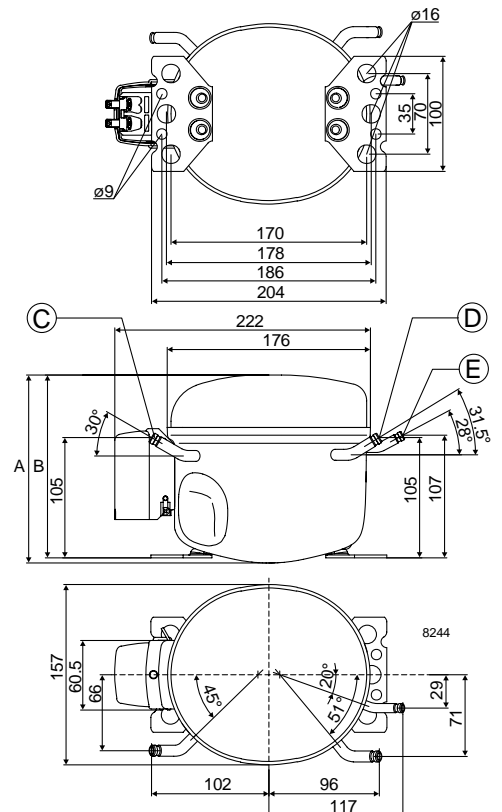
Motor size	watt	120
LRA (rated after 4 sec. UL984) LST	A	4.3
Cut-in current LST	A	8.4
Resistance, main and start winding (25°C)	Ω	16.5/16.9
Approvals		EN 60335-2-34

Dimensions

Height	mm	A	173
		B	169
Suction connector	location/I.D. mm	C	6.2 ±0.09
Process connector	location/I.D. mm	D	6.2 ±0.09
Discharge connector	location/I.D. mm	E	5.0 +0.12/+0.20
Compressors on a pallet	pcs.		125



- 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



Capacity (EN 12900/CECOMAF)

watt

Comp.°C	-35	-30	-25	-23.3	-20	-15	-10
TLES7KTK	39.8	56.8	77.0	84.7	101	130	163

Capacity (ASHRAE)

watt

Comp.°C	-35	-30	-25	-23.3	-20	-15	-10
TLES7KTK	48.4	69.1	93.7	103	123	158	199

Power consumption

watt

Comp.°C	-35	-30	-25	-23.3	-20	-15	-10
TLES7KTK	63.3	71.5	81.0	84.5	91.7	103	115

Current consumption

A

Comp.°C	-35	-30	-25	-23.3	-20	-15	-10
TLES7KTK	0.62	0.65	0.67	0.68	0.70	0.74	0.78

COP (EN 12900/CECOMAF)

W/W

Comp.°C	-35	-30	-25	-23.3	-20	-15	-10
TLES7KTK	0.63	0.79	0.95	1.00	1.10	1.26	1.41

COP (ASHRAE)

W/W

Comp.°C	-35	-30	-25	-23.3	-20	-15	-10
TLES7KTK	0.76	0.97	1.16	1.22	1.34	1.53	1.72

Test conditions	EN 12900/CECOMAF	ASHRAE
Condensing temperature	55°C	55°C
Ambient and suction gas temp.	32°C	32°C
Liquid temperature	55°C	32°C
Static cooling, 220V 50Hz,		
PTC consumption incl.		

Accessories

Devices	Fig.	TLES7KTK
PTC starting device	6.3 mm spades	a1
	4.8 mm spades	(pos.1) 103N0018
PTC starting device	6.3 mm spades	a1
	4.8 mm spades	(pos.2) 103N0021
Cover	b	103N2010
Cord relief	d	103N1010
Run capacitor 4 µF (optional)	6.3 mm spades	e
	4.8 mm spades	117-7117 117-7119
Protection screen for PTC	g	103N0476
Mounting accessories		
	Bolt joint for one compressor	118-1917
	Bolt joint in quantities	118-1918
	Snap-on in quantities	118-1919

