

TLES5KTK

Energy-optimized Tropical Compressor

R600a

220-240V 50Hz

Data Sheet (Replaces CD.52.U1.02)

General

Compressor	TLES5KTK
Code number	102H4536

Application

Application	LBP/MBP	
Evaporating temperature range	°C	-35 to 0
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

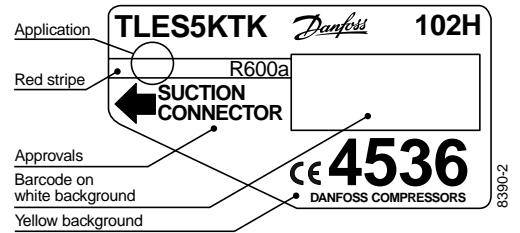
Displacement	cm ³	5.08
Oil quantity	cm ³	180
Maximum refrigerant charge	g	150
Free gas vol. in compressor	cm ³	1790
Weight without electrical equipment	kg	7.5

Motor

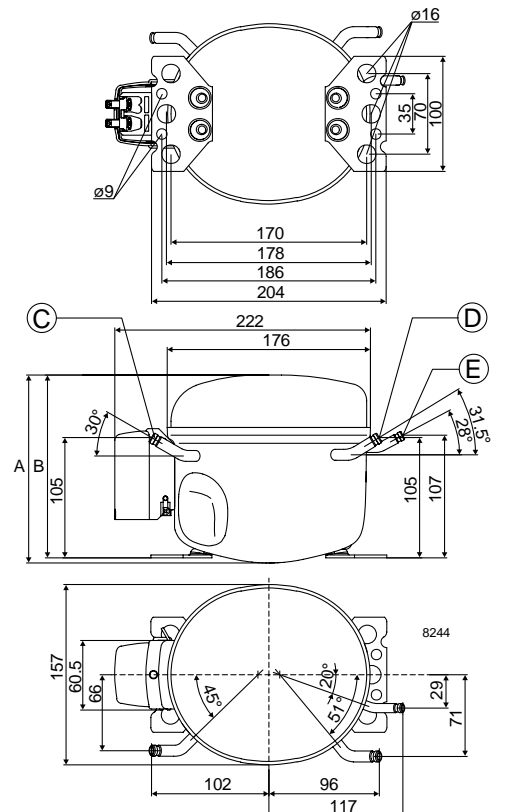
Motor size	watt	80
LRA (rated after 4 sec. UL984) LST	A	2.9
Cut-in current LST	A	7.6
Resistance, main and start winding (25°C)	Ω	25.7/15.7
Approvals	EN 60335-2-34	

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	-5	0
TLES5KTK	28.1	41.1	57.0	63.1	76.2	99.2	126	159	196

Capacity (ASHRAE)

watt

Comp.°C	-35	-30	-25	-23.3	-20	-15	-10	-5	0
TLES5KTK	34.2	50.1	69.4	76.8	92.7	121	154	193	239

Power consumption

watt

Comp.°C	-35	-30	-25	-23.3	-20	-15	-10	-5	0
TLES5KTK	48.2	54.3	61.0	63.4	68.3	76.3	85.1	94.8	106

Current consumption

A

Comp.°C	-35	-30	-25	-23.3	-20	-15	-10	-5	0
TLES5KTK	0.46	0.47	0.50	0.50	0.52	0.55	0.58	0.61	0.65

COP (EN 12900/CECOMAF)

W/W

Comp.°C	-35	-30	-25	-23.3	-20	-15	-10	-5	0
TLES5KTK	0.58	0.76	0.93	1.00	1.12	1.30	1.49	1.67	1.86

COP (ASHRAE)

W/W

Comp.°C	-35	-30	-25	-23.3	-20	-15	-10	-5	0
TLES5KTK	0.71	0.92	1.14	1.21	1.36	1.58	1.81	2.04	2.27

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.	TLES5KTK
PTC starting device 6.3 mm spades	a1	103N0011
4.8 mm spades	(pos.1)	103N0018
PTC starting device 6.3 mm spades	a1	103N0016
4.8 mm spades	(pos.2)	103N0021
Cover	b	103N2010
Cord relief	d	103N1010
Run capacitor 4 µF (optional)	e	117-7117
6.3 mm spades		117-7119
4.8 mm spades		
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

