

TLES6F

Energy-optimized Compressor

R134a

220-240V 50Hz

Data Sheet (Replaces CD.42.T4.02)

General

Compressor	TLES6F
Code number	102G4610

Application

Application	LBP	
Evaporating temperature range	°C	-35 to -10
Voltage range	V/Hz	198 - 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

* run capacitor 4 µF compulsory in 38°C and higher ambient temperature

Design

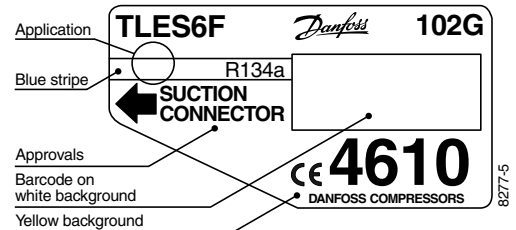
Displacement	cm ³	5.70
Oil quantity	cm ³	180
Maximum refrigerant charge	g	400
Free gas vol. in compressor	cm ³	1790
Weight without electrical equipment	kg	7.6

Motor

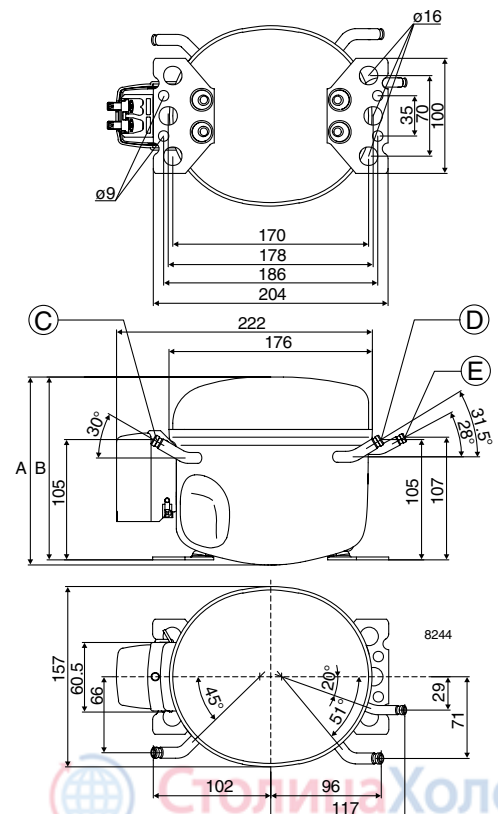
Motor size	watt	120
LRA (rated after 4 sec. UL984) LST	A	4.5
Cut-in current LST	A	8.8
Resistance, main and start winding (25°C)	Ω	16.5/16.9
Approvals	EN 60335-2-34 with Annex AA	

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
TLES6F	58	77	104	115	139	183	235

Capacity (ASHRAE)

watt

Comp.\°C	-35	-30	-25	-23.3	-20	-15	-10
TLES6F	71	95	128	142	172	226	290

Power consumption

watt

Comp.\°C	-35	-30	-25	-23.3	-20	-15	-10
TLES6F	76	93	112	118	131	151	172

Current consumption

A

Comp.\°C	-35	-30	-25	-23.3	-20	-15	-10
TLES6F	0.63	0.69	0.75	0.77	0.82	0.89	0.97

COP (EN 12900/CECOMAF)

W/W

Comp.\°C	-35	-30	-25	-23.3	-20	-15	-10
TLES6F	0.76	0.82	0.93	0.97	1.06	1.21	1.37

COP (ASHRAE)

W/W

Comp.\°C	-35	-30	-25	-23.3	-20	-15	-10
TLES6F	0.94	1.01	1.14	1.20	1.31	1.49	1.69

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.	TLES6F
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	6.3 mm spades	e 117-7117*
	4.8 mm spades	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

* run capacitor 4 µF compulsory in 38°C and higher ambient temp.

