

# TL3F

## Standard Compressor

### R134a

### 220-240V 50Hz

Data Sheet (Replaces CD.42.I5.02)

#### General

Compressor	TL3F
Code number	102G4300

#### Application

Application	MBP
Evaporating temperature range °C	-25 to 0
Voltage range V/Hz	198 - 254 /50
Motor type	RSIR/CSIR
Max. ambient temperature °C	38
Comp. cooling at ambient temp. 32°C	S
38°C	S

#### Design

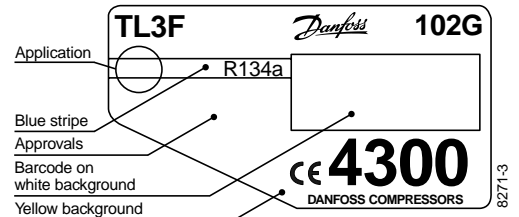
Displacement cm <sup>3</sup>	3.13
Oil quantity cm <sup>3</sup>	180
Maximum refrigerant charge g	400
Free gas vol. in compressor cm <sup>3</sup>	1600
Weight without electrical equipment kg	6.7

#### Motor

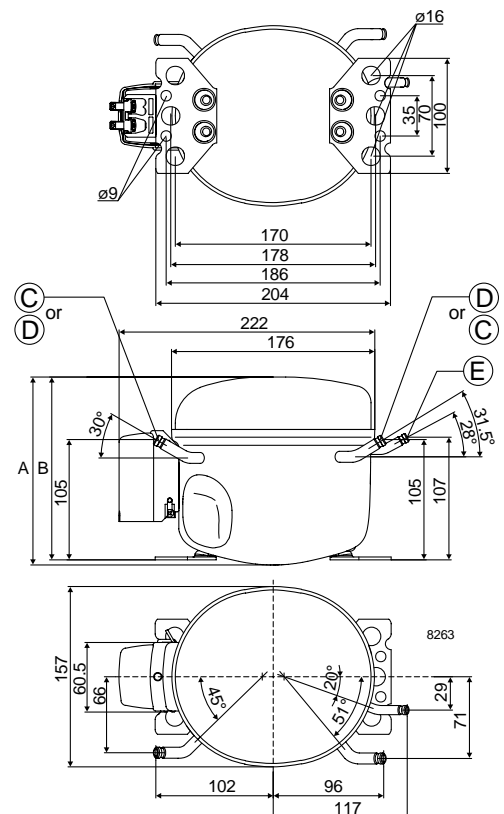
Motor size watt	75
LRA (rated after 4 sec. UL984) LST/HST A	2.8/4.5
Cut-in current LST/HST A	7.5/4.5
Resistance, main and start winding (25°C) Ω	31.5/15.0
Approvals	EN 60335-2-34 with Annex AA, CCIB

#### Dimensions

Height mm	A	163
	B	159
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
- 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



### Capacity (EN 12900/CECOMAF)

watt

Comp. °C	-25	-23.3	-20	-15	-10	-5	0
TL3F	42	48	60	82	108	138	173

### Capacity (ASHRAE)

watt

Comp. °C	-25	-23.3	-20	-15	-10	-5	0
TL3F	52	59	74	101	133	171	214

### Power consumption

watt

Comp. °C	-25	-23.3	-20	-15	-10	-5	0
TL3F	66	69	76	87	99	111	124

### Current consumption

A

Comp. °C	-25	-23.3	-20	-15	-10	-5	0
TL3F	0.50	0.51	0.52	0.54	0.57	0.61	0.67

### COP (EN 12900/CECOMAF)

W/W

Comp. °C	-25	-23.3	-20	-15	-10	-5	0
TL3F	0.64	0.69	0.79	0.94	1.09	1.24	1.39

### COP (ASHRAE)

W/W

Comp. °C	-25	-23.3	-20	-15	-10	-5	0
TL3F	0.78	0.85	0.97	1.16	1.35	1.53	1.72

Test conditions  
 Condensing temperature  
 Ambient and suction gas temp.  
 Liquid temperature  
 Static cooling, 220V 50Hz,  
 PTC consumption incl.

EN 12900/CECOMAF  
 55°C  
 32°C  
 55°C

ASHRAE  
 55°C  
 32°C  
 32°C

### Accessories

Devices	Fig.	TL3F
PTC starting device 6.3 mm spades 4.8 mm spades	a1	103N0011 103N0018
Starting relay	a2	117U6007
Cover	b	103N2010
Starting capacitor 60 µF	c	117U5014
Cord relief	d	103N1010
Protection screen for PTC	g	103N0476
Mounting accessories Bolt joint for one compressor Bolt joint in quantities Snap-on in quantities		118-1917 118-1918 118-1919

