

# TLES4KK.2

## Energy-optimized Compressor

### R600a

### 220-240V 50Hz

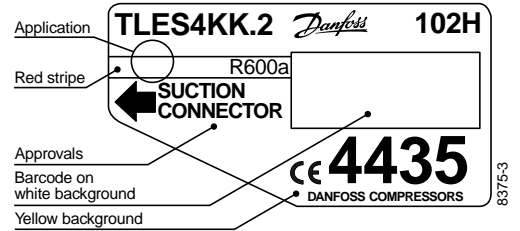
Data Sheet (Replaces CD.52.G1.02)

#### General

Compressor	<b>TLES4KK.2</b>
Code number	102H4435

#### Application

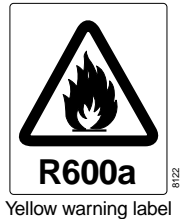
Application		LBP/MBP
Evaporating temperature range	°C	-35 to 0
Voltage range	V/Hz	198 - 254 /50
Motor type		RSIR/RSCR
Max. ambient temperature	°C	38
Comp. cooling at ambient temp.	32°C	S
	38°C	S



- 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

#### Design

Displacement	cm <sup>3</sup>	3.86
Oil quantity	cm <sup>3</sup>	180
Maximum refrigerant charge	g	150
Free gas vol. in compressor	cm <sup>3</sup>	1790
Weight without electrical equipment	kg	7.4

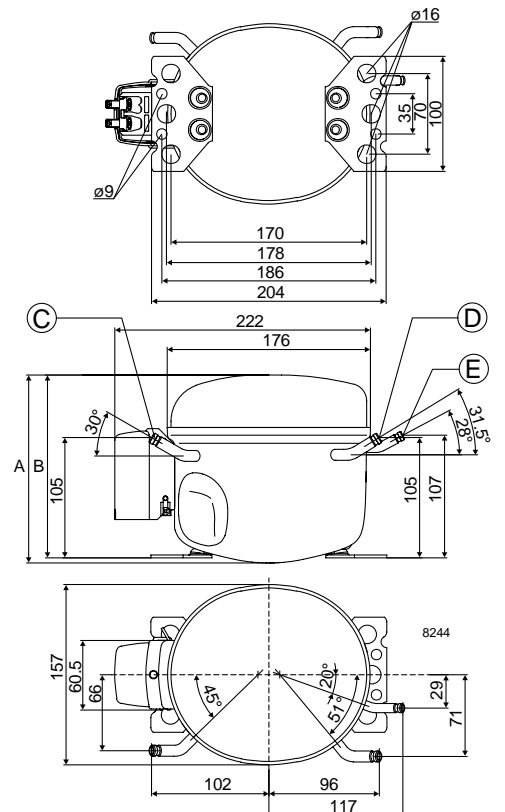


#### Motor

Motor size	watt	80
LRA (rated after 4 sec. UL984) LST	A	2.9
Cut-in current LST	A	7.1
Resistance, main and start winding (25°C)	Ω	24.5/19.1
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



### Capacity (EN 12900/CECOMAF)

watt

Comp. °C	-35	-30	-25	-23.3	-20	-15	-10	-5	0
TLES4KK.2	18	28	40	45	55	74	96	123	154

### Capacity (ASHRAE)

watt

Comp. °C	-35	-30	-25	-23.3	-20	-15	-10	-5	0
TLES4KK.2	22	34	49	54	67	90	117	150	188

### Power consumption

watt

Comp. °C	-35	-30	-25	-23.3	-20	-15	-10	-5	0
TLES4KK.2	35	41	45	47	50	55	61	68	76

### Current consumption

A

Comp. °C	-35	-30	-25	-23.3	-20	-15	-10	-5	0
TLES4KK.2	0.37	0.38	0.39	0.40	0.41	0.42	0.44	0.46	0.48

### COP (EN 12900/CECOMAF)

W/W

Comp. °C	-35	-30	-25	-23.3	-20	-15	-10	-5	0
TLES4KK.2	0.51	0.68	0.88	0.95	1.10	1.34	1.57	1.81	2.01

### COP (ASHRAE)

W/W

Comp. °C	-35	-30	-25	-23.3	-20	-15	-10	-5	0
TLES4KK.2	0.62	0.83	1.07	1.17	1.34	1.63	1.92	2.20	2.46

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

55°C

ASHRAE

55°C

32°C

32°C

### Accessories

Devices	Fig.	TLES4KK.2
PTC starting device	6.3 mm spades	103N0011
	4.8 mm spades	103N0018
PTC starting device	6.3 mm spades	103N0016
	4.8 mm spades	103N0021
Cover	b	103N2010
Cord relief	d	103N1010
Run capacitor 4 µF (optional)	6.3 mm spades	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

