

# TLES5KK.2

## Energy-optimized Compressor

### R600a

### 220-240V 50Hz

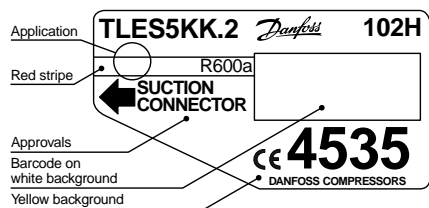
Data Sheet (Replaces CD.52.H1.02)

#### General

Compressor	<b>TLES5KK.2</b>
Code number	102H4535

#### 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>	5.08
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	7.5

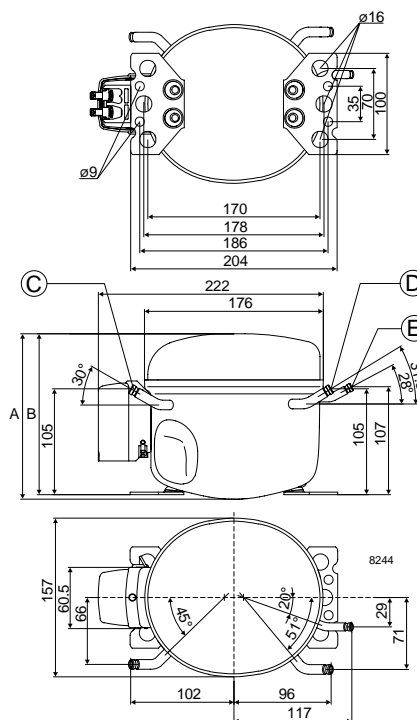


#### Motor

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 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
TLES5KK.2	28	41	57	63	76	99	126	159	196

**Capacity (ASHRAE)**
**watt**

Comp.\°C	-35	-30	-25	-23.3	-20	-15	-10	-5	0
TLES5KK.2	34	50	69	77	93	121	154	193	239

**Power consumption**
**watt**

Comp.\°C	-35	-30	-25	-23.3	-20	-15	-10	-5	0
TLES5KK.2	44	50	57	59	64	72	80	89	100

**Current consumption**
**A**

Comp.\°C	-35	-30	-25	-23.3	-20	-15	-10	-5	0
TLES5KK.2	0.40	0.42	0.44	0.44	0.46	0.48	0.51	0.54	0.58

**COP (EN 12900/CECOMAF)**
**W/W**

Comp.\°C	-35	-30	-25	-23.3	-20	-15	-10	-5	0
TLES5KK.2	0.63	0.82	1.00	1.07	1.19	1.39	1.58	1.77	1.97

**COP (ASHRAE)**
**W/W**

Comp.\°C	-35	-30	-25	-23.3	-20	-15	-10	-5	0
TLES5KK.2	0.77	0.99	1.22	1.30	1.45	1.69	1.93	2.16	2.40

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.	TLES5KK.2	
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)	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

