

TLX7KK

High Energy-optimized Compressor

R600a

220-240V 50Hz

Data Sheet (Replaces CG.52.E1.02)

General

| | |
|-------------|----------|
| Compressor | TLX7KK |
| Code number | 102H4746 |

Application

| | | |
|--------------------------------|-------|---------------|
| Application | LBP | |
| Evaporating temperature range | °C | -35 to -10 |
| Voltage range | V/Hz | 198 - 254 /50 |
| Motor type | RSCR* | |
| Max. ambient temperature | °C | 38 |
| Comp. cooling at ambient temp. | 32°C | S |
| | 38°C | S |

* run capacitor 4 µF compulsory

Design

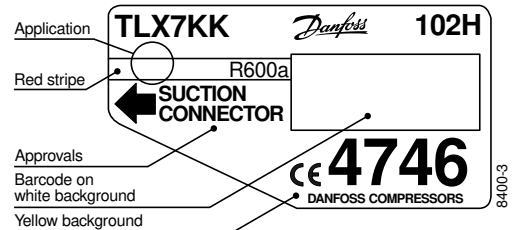
| | | |
|-------------------------------------|-----------------|------|
| Displacement | cm ³ | 6.49 |
| Oil quantity | cm ³ | 180 |
| Maximum refrigerant charge | g | 150 |
| Free gas vol. in compressor | cm ³ | 1790 |
| Weight without electrical equipment | kg | 8.3 |

Motor

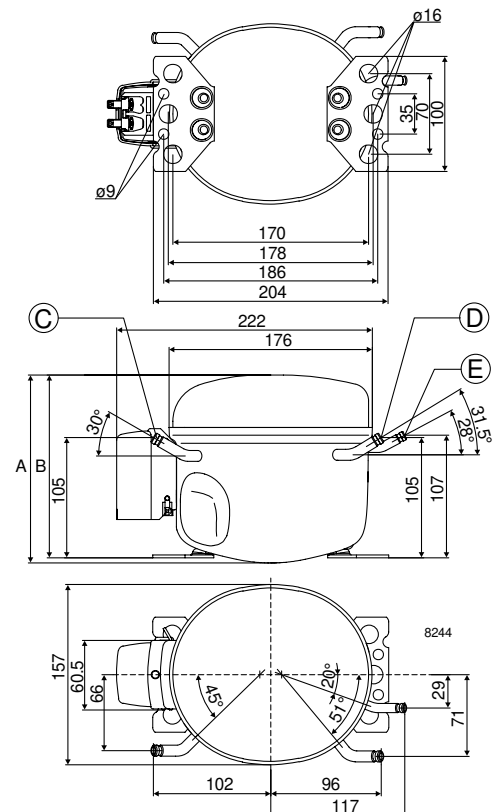
| | | |
|---|-----------------------------|-----------|
| Motor size | watt | 65 |
| LRA (rated after 4 sec. UL984) LST | A | 2.3 |
| Cut-in current LST | A | 6.6 |
| Resistance, main and start winding (25°C) | Ω | 30.0/15.0 |
| Approvals | EN 60335-2-34 with Annex AA | |

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 |
| TLX7KK | 41.5 | 57.6 | 77.0 | 84.4 | 100 | 128 | 160 |

Capacity (ASHRAE)

watt

| | | | | | | | |
|----------|------|------|------|-------|-----|-----|-----|
| Comp. °C | -35 | -30 | -25 | -23.3 | -20 | -15 | -10 |
| TLX7KK | 50.4 | 70.1 | 93.7 | 103 | 122 | 156 | 195 |

Power consumption

watt

| | | | | | | | |
|----------|------|------|------|-------|------|------|------|
| Comp. °C | -35 | -30 | -25 | -23.3 | -20 | -15 | -10 |
| TLX7KK | 49.7 | 58.7 | 67.0 | 69.8 | 75.2 | 83.8 | 93.5 |

Current consumption

A

| | | | | | | | |
|----------|------|------|------|-------|------|------|------|
| Comp. °C | -35 | -30 | -25 | -23.3 | -20 | -15 | -10 |
| TLX7KK | 0.25 | 0.28 | 0.31 | 0.33 | 0.35 | 0.40 | 0.45 |

COP (EN 12900/CECOMAF)

W/W

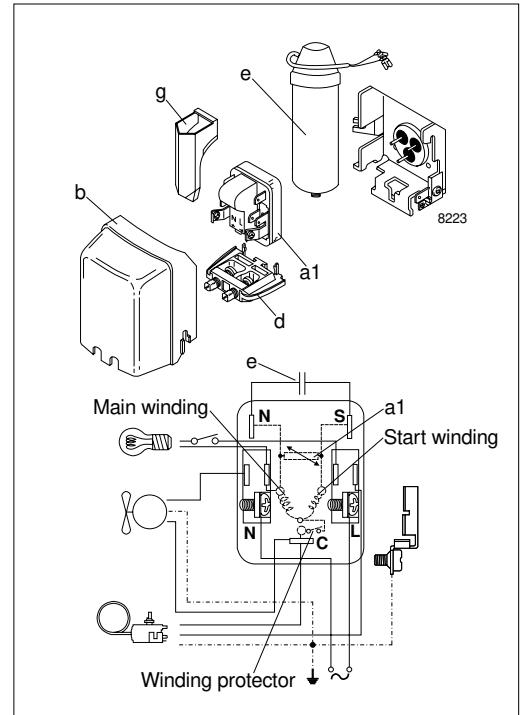
| | | | | | | | |
|----------|------|------|------|-------|------|------|------|
| Comp. °C | -35 | -30 | -25 | -23.3 | -20 | -15 | -10 |
| TLX7KK | 0.83 | 0.98 | 1.15 | 1.21 | 1.33 | 1.52 | 1.71 |

COP (ASHRAE)

W/W

| | | | | | | | |
|----------|------|------|------|-------|------|------|------|
| Comp. °C | -35 | -30 | -25 | -23.3 | -20 | -15 | -10 |
| TLX7KK | 1.02 | 1.19 | 1.40 | 1.47 | 1.62 | 1.86 | 2.09 |

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, with RC 4 µF, 220V 50Hz, PTC consumption incl.



Accessories

| Devices | Fig. | TLX7KK |
|--|------|----------------------------------|
| PTC starting device 6.3 mm spades 4.8 mm spades | a1 | 103N0016 103N0021 |
| Cover | b | 103N2010 |
| Cord relief | d | 103N1010 |
| Run capacitor 4 µF (compulsory) 6.3 mm spades 4.8 mm spades | e | 117-7117 117-7119 |
| 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 |

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