

# NLE11KTK

## Energy-optimized Tropical Compressor

### R600a

### 220-240V 50Hz

Data Sheet (Replaces CD.53.T1.02)

#### General

Compressor	<b>NLE11KTK</b>
Code number	105H6948

#### Application

Application		LBP
Evaporating temperature range	°C	-35 to -10
Voltage range	V/Hz	187 - 254 /50 198 - 254 /60
Motor type		RSIR/RSCR
Max. ambient temperature	°C	43
Comp. cooling at ambient temp.	32°C	S
	38°C	S
	43°C	50Hz: S 60Hz: F <sub>1</sub> *

\* run capacitor 4 µF compulsory

#### Design

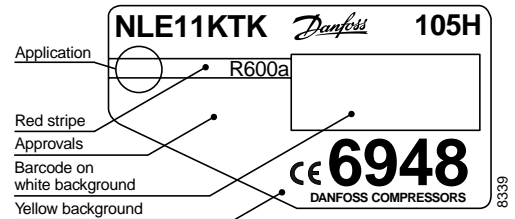
Displacement	cm <sup>3</sup>	11.15
Oil quantity	cm <sup>3</sup>	320
Maximum refrigerant charge	g	150
Free gas vol. in compressor	cm <sup>3</sup>	2360
Weight without electrical equipment	kg	10.0

#### Motor

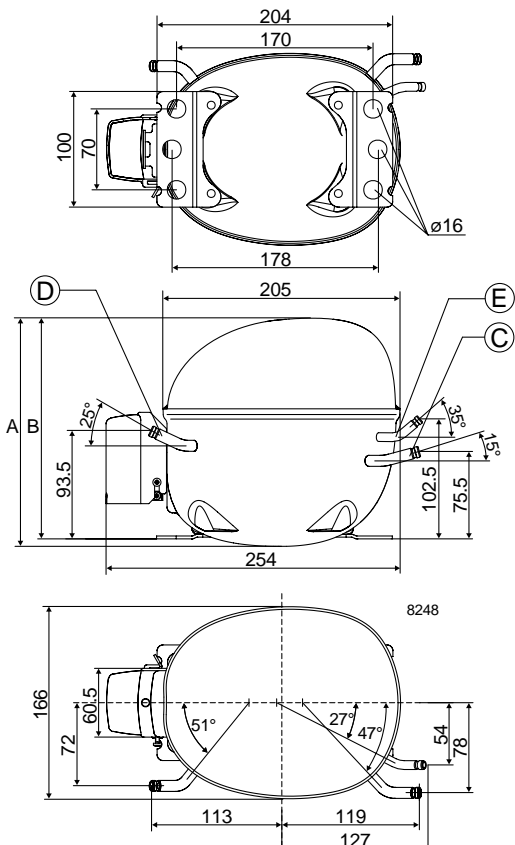
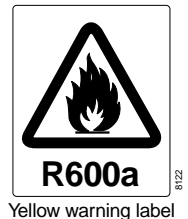
Motor size	watt	165
LRA (rated after 4 sec. UL984) LST	A	6.4
Cut-in current LST	A	10.7
Resistance, main and start winding (25°C)	Ω	12.9/18.0
Approvals		EN 60335-2-34

#### Dimensions

Height	mm	A	197
		B	191
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.		80



- 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	-35	-30	-25	-23.3	-20	-15	-10
NLE11KTK	73	98	127	137	162	206	261

**Capacity (ASHRAE)**

**watt**

Comp.°C	-35	-30	-25	-23.3	-20	-15	-10
NLE11KTK	89	119	154	167	197	251	318

**Power consumption**

**watt**

Comp.°C	-35	-30	-25	-23.3	-20	-15	-10
NLE11KTK	90	107	123	129	140	158	177

**Current consumption**

**A**

Comp.°C	-35	-30	-25	-23.3	-20	-15	-10
NLE11KTK	0.86	0.90	0.95	0.96	1.00	1.04	1.10

**COP (EN 12900/CECOMAF)**

**W/W**

Comp.°C	-35	-30	-25	-23.3	-20	-15	-10
NLE11KTK	0.81	0.92	1.03	1.07	1.16	1.31	1.47

**COP (ASHRAE)**

**W/W**

Comp.°C	-35	-30	-25	-23.3	-20	-15	-10
NLE11KTK	0.98	1.12	1.25	1.31	1.41	1.59	1.80

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.	NLE11KTK
PTC starting device	6.3 mm spades	a1
	4.8 mm spades	(pos.1)
PTC starting device	6.3 mm spades	a1
	4.8 mm spades	(pos.2)
Cover	b	103N2010
Cord relief	d	103N1010
Run capacitor 4 µF	6.3 mm spades	e
	4.8 mm spades	
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 43°C ambient temperature at 60Hz

