

NLE9KTK

Energy-optimized Tropical Compressor

R600a

220-240V 50Hz

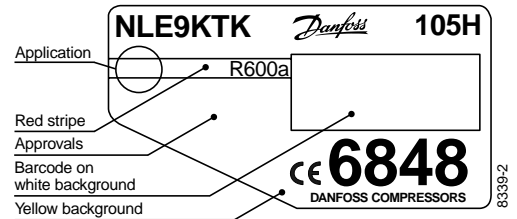
Data Sheet (Replaces CD.53.S1.02)

General

Compressor	NLE9KTK
Code number	105H6848

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 ₁



- 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

Design

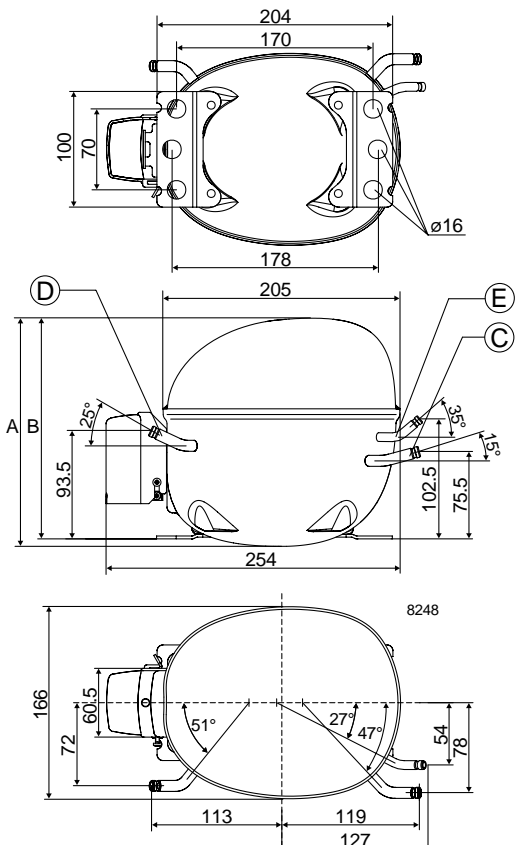
Displacement	cm ³	8.35
Oil quantity	cm ³	320
Maximum refrigerant charge	g	150
Free gas vol. in compressor	cm ³	2360
Weight without electrical equipment	kg	10.0

Motor

Motor size	watt	140
LRA (rated after 4 sec. UL984) LST	A	5.0
Cut-in current LST	A	9.4
Resistance, main and start winding (25°C)	Ω	14.9/17.9
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



Capacity (EN 12900/CECOMAF)

watt

Comp.°C	-35	-30	-25	-23.3	-20	-15	-10
NLE9KTK	54	74	98	108	128	166	211

Capacity (ASHRAE)

watt

Comp.°C	-35	-30	-25	-23.3	-20	-15	-10
NLE9KTK	66	90	119	131	156	202	257

Power consumption

watt

Comp.°C	-35	-30	-25	-23.3	-20	-15	-10
NLE9KTK	76	84	95	99	107	121	134

Current consumption

A

Comp.°C	-35	-30	-25	-23.3	-20	-15	-10
NLE9KTK	0.67	0.71	0.75	0.76	0.78	0.82	0.86

COP (EN 12900/CECOMAF)

W/W

Comp.°C	-35	-30	-25	-23.3	-20	-15	-10
NLE9KTK	0.72	0.88	1.03	1.09	1.20	1.37	1.57

COP (ASHRAE)

W/W

Comp.°C	-35	-30	-25	-23.3	-20	-15	-10
NLE9KTK	0.87	1.06	1.26	1.32	1.45	1.67	1.92

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.	NLE9KTK
PTC starting device	6.3 mm spades	a1
	4.8 mm spades	(pos.1) 103N0011 103N0018
PTC starting device	6.3 mm spades	a1
	4.8 mm spades	(pos.2) 103N0016 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

