

NLE9KK.2

Energy-optimized Compressor

R600a

220-240V 50Hz

Data Sheet (Replaces CD.53.D2.02)

General

Compressor	NLE9KK.2
Code number	105H6835

Application

Application	LBP	
Evaporating temperature range	°C	-35 to -10
Voltage range	V/Hz	198 - 254 /50
Motor type	RSIR/RSCR	
Max. ambient temperature	°C	43
Comp. cooling at ambient temp.	32°C	S
	38°C	S
	43°C	S

Design

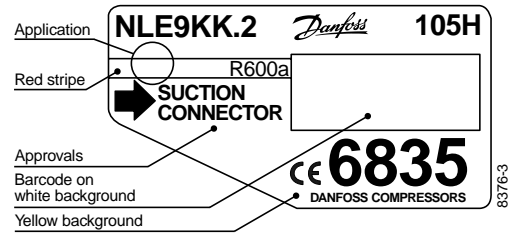
Displacement	cm ³	8.35
Oil quantity	cm ³	270
Maximum refrigerant charge	g	150
Free gas vol. in compressor	cm ³	2310
Weight without electrical equipment	kg	9.6

Motor

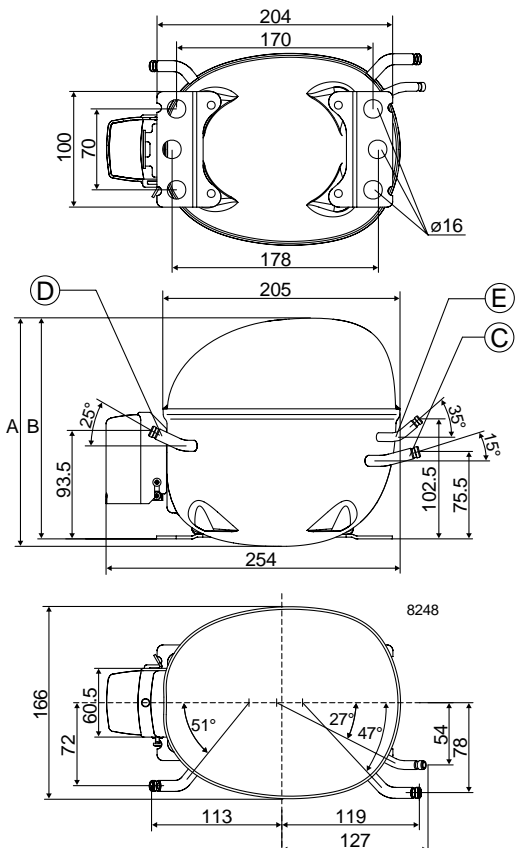
Motor size	watt	106
LRA (rated after 4 sec. UL984) LST	A	3.9
Cut-in current LST	A	8.4
Resistance, main and start winding (25°C)	Ω	21.0/14.0
Approvals	EN 60335-2-34 with Annex AA	

Dimensions

Height	mm	A	190
		B	183
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
- 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
NLE9KK.2	56.8	76.0	100	110	130	167	212

Capacity (ASHRAE)

watt

Comp.°C	-35	-30	-25	-23.3	-20	-15	-10
NLE9KK.2	69.0	92.4	122	133	158	203	258

Power consumption

watt

Comp.°C	-35	-30	-25	-23.3	-20	-15	-10
NLE9KK.2	74.6	83.0	93.5	97.4	106	119	132
- with RC			89.3	94.0			

Current consumption

A

Comp.°C	-35	-30	-25	-23.3	-20	-15	-10
NLE9KK.2	0.61	0.63	0.66	0.67	0.69	0.72	0.76
- with RC			0.44	0.45			

COP (EN 12900/CECOMAF)

W/W

Comp.°C	-35	-30	-25	-23.3	-20	-15	-10
NLE9KK.2	0.76	0.92	1.07	1.12	1.23	1.41	1.61
-with RC			1.12	1.17			

COP (ASHRAE)

W/W

Comp.°C	-35	-30	-25	-23.3	-20	-15	-10
NLE9KK.2	0.93	1.11	1.30	1.37	1.50	1.71	1.96
- with RC			1.36	1.42			

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.	NLE9KK.2
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 (optional)	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

