

# NL11F

## Standard Compressor

### R134a

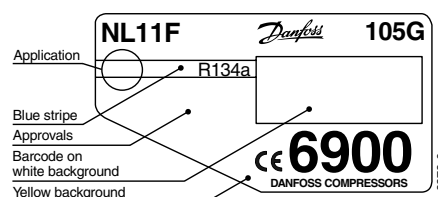
### 220-240V 50Hz

Data Sheet (Replaces CG.43.J1.02)

#### General

Compressor	<b>NL11F</b>
Code number	105G6900
Code number	105G6901*)
Code number compressor with oil cooler	105G6910

\*) Performance data established on 8.2 mm suction line. Restrictions due to 6.2 mm suction line can affect system performance.



#### Application

Application	LBP	
Evaporating temperature range	°C	-35 to -10
Voltage range	V/Hz	198 - 254 /50
Motor type	RSIR/CSIR	
Max. ambient temperature	°C	38
Comp. cooling at ambient temp.	32°C	O/F <sub>1</sub>
	38°C	O/F <sub>1</sub>

- 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

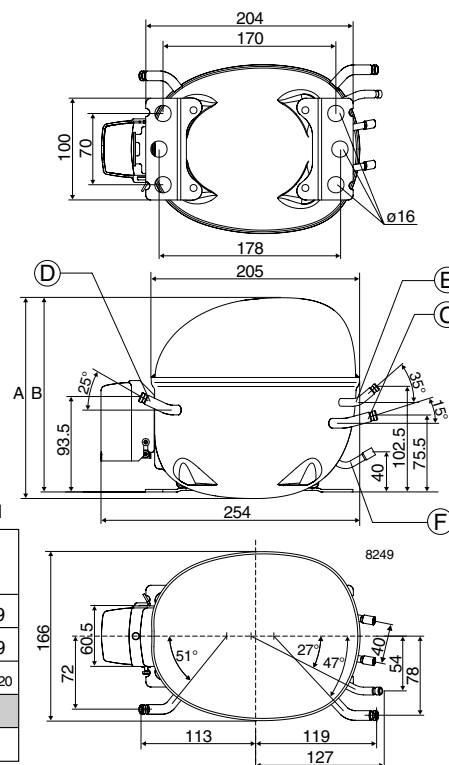
Displacement	cm <sup>3</sup>	11.15
Oil quantity	cm <sup>3</sup>	320
Maximum refrigerant charge	g	400
Free gas vol. in compressor	cm <sup>3</sup>	2360
Weight without electrical equipment	kg	10.7

#### Motor

Motor size	watt	235
LRA (rated after 4 sec. UL984) LST/HST	A	9.2/10.4
Cut-in current LST/HST	A	13.6/10.4
Resistance, main and start winding (25°C)	Ω	8.2/14.7
Approvals	EN 60335-2-34 with Annex AA	

#### Dimensions

		105G6910	105G6900	105G6901
Height	mm	A	203	
		B	197	
Suction connector	location/I.D. mm	C	8.2 ±0.09	8.2 ±0.09
Process connector	location/I.D. mm	D	6.2 ±0.09	6.2 ±0.09
Discharge connector	location/I.D. mm	E	6.2 ±0.09	6.2 ±0.09
Oil cooler	location/I.D. mm	F	6.2 ±0.09	
Compressors on a pallet	pcs.	80		



**Capacity (EN 12900/CECOMAF) watt**

Comp.\°C	-35	-30	-25	-23.3	-20	-15	-10
NL11F	102	144	200	223	271	356	455

**Capacity (ASHRAE) watt**

Comp.\°C	-35	-30	-25	-23.3	-20	-15	-10
NL11F	125	177	246	274	334	438	561

**Power consumption watt**

Comp.\°C	-35	-30	-25	-23.3	-20	-15	-10
NL11F	146	178	212	224	248	286	325

**Current consumption A**

Comp.\°C	-35	-30	-25	-23.3	-20	-15	-10
NL11F	1.40	1.46	1.54	1.57	1.64	1.75	1.89

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

Comp.\°C	-35	-30	-25	-23.3	-20	-15	-10
NL11F	0.70	0.81	0.94	0.99	1.09	1.25	1.40

**COP (ASHRAE) W/W**

Comp.\°C	-35	-30	-25	-23.3	-20	-15	-10
NL11F	0.86	0.99	1.16	1.22	1.34	1.53	1.73

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.	NL11F
PTC starting device 6.3 mm spades 4.8 mm spades	a1	103N0011 103N0018
Starting relay	a2	117U6002
Cover	b	103N2010
Starting capacitor 80 µF	c	117U5015
Cord relief	d	103N1010
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

