

Model
NLE15KTK.2

Sales code:
105H6966

Compressor Data

Refrigerant(s)	R600a
Refr. charge - tech. limit	150g / 5.29oz
Weight	10.80 kg / 23.81lbs
Displacement	14.65 cm3 / 0.89cu.in
Compressors on pallet	80



General – Configurations With NLE15KTK.2

-	Conf. 1	Conf. 2
Motor configuration	RSIR	RSCR
Power supply (nominal)	220-240 V/50 Hz	220-240 V/50 Hz
Number of phases	1	1
Voltage range	187-254 V	187-254 V
Approvals	VDE	VDE
Starting torque	LST	LST
Refrigerant	R600a	R600a
Application	LBP	LBP

Application Notes

- Provision for PE Grounding is located at the PE Stamp on the compressor

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Compressor Design

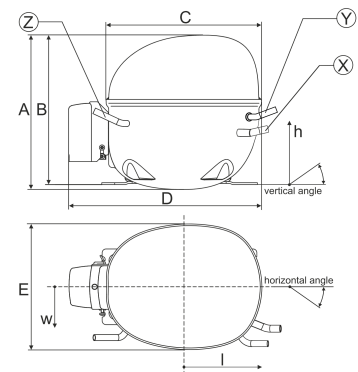
Oil type	Mineral	Winding resistance main	9.000 Ohm
Oil viscosity	9,6cSt	Winding resistance aux	12.00 Ohm
Oil quantity	265 / 8.96fl.oz	Max. winding temp.	125 °C
Free gas volume comp.	2,310 cm ³ / 78.11fl.oz	Max. discharge temp.	130°C / 266°F

Compressor Dimensions

Housing

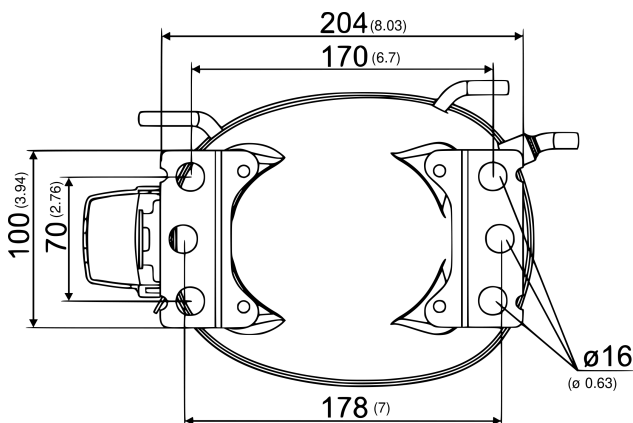
A Height	203mm / 7.99in
B Height	197mm / 7.76in
C Length shell	205mm / 8.07in
D Length w. cover	254mm / 10.00in
E Width	166mm / 6.54in

[Find 3D Model here](#)

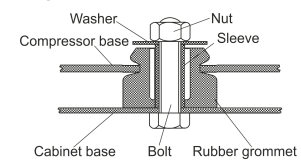


Connectors	Suction X	Discharge Y	Process Z
Diameter [mm]	øi 6.11–6.29 / 0.24–0.25in	øi 5.12–5.22 / 0.20–0.21in	øi 6.11–6.29 / 0.24–0.25in
Material	CU	CU	CU
Horizontal angle ±2°	0°	0°	0°
Vertical angle ±2°	15°	35°	155°
Position l/h/w [mm]	125.5/75.5/78 / 4.94/2.97/3.07in	133/102.5/54 / 5.24/4.04/2.13in	-107/93.5/72 / -4.21/3.68/2.83in
Straight tube l. [mm]	12 / 0.47in	12 / 0.47in	12 / 0.47in

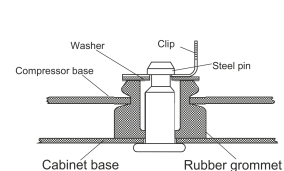
Mounting Accessories



Bolt joint



Snap-on



Dimensions in mm [in]

	one comp.	multi pack
Bolt joint M6 Ø16mm	118-1917	118-1918
Bolt joint Ø1/4" Ø16mm	118-1946	–
Snap-on Ø7,3 Ø16mm	118-1947	118-1919

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Configuration 1

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Configuration

Motor configuration	RSIR
Power supply (nominal)	220-240 V/50 Hz 1~
Refrigerant	R600a
Application	LBP
Voltage range	187-254 V
Starting torque	LST
Approvals	VDE
Starting device type	PTC
Run capacitor	-/-
Start capacitor	-/-
RLA (rated load amps / 1s/ U(N))	-/-A

Ambient/ machine room temperatures minimum /maximum

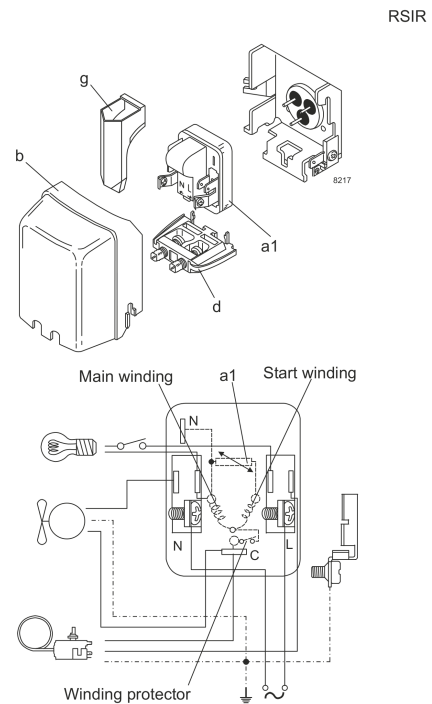
Ambient temperature range: 10 - 43°C / 50 - 109°F

Machine room temp. compressor: 10 - 48°C / 50 - 118°F

System Cooling

static

Electrical Accessories / Wiring Diagram


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Components

a1 PTC starter (220V, 250Ohm, 4.8mm) 103N0018

b plastic cover 103N2011

d cord relief 103N1010

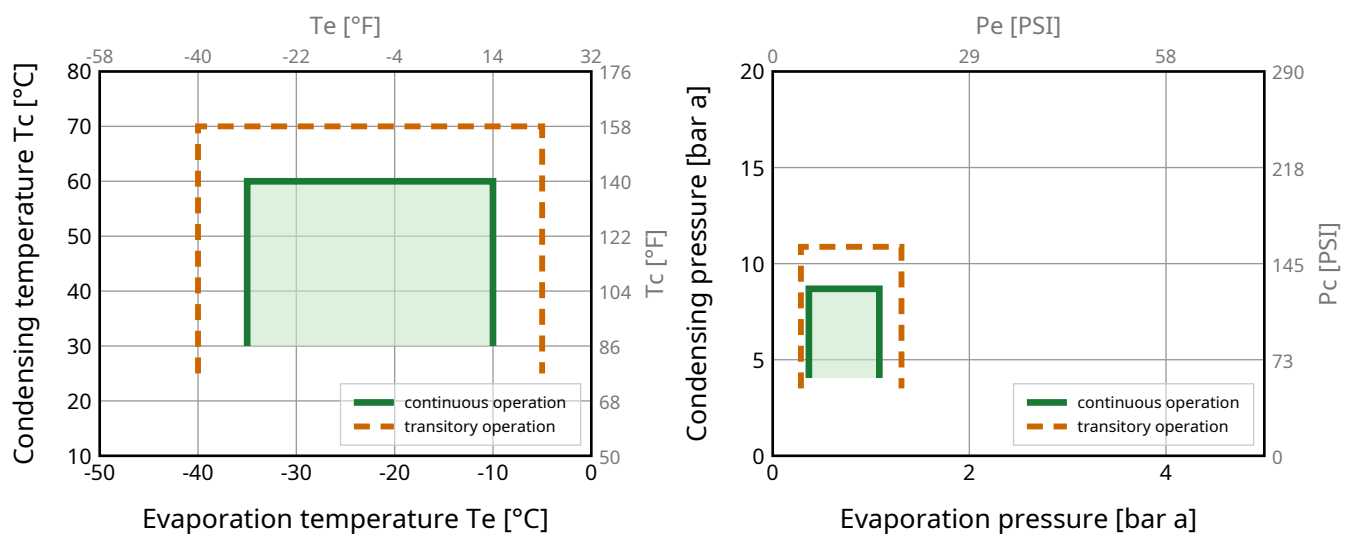
g protection screen for PTC 103N0476

Alternative components

a1 PTC starter (220V, 250Ohm, 6.3mm) 103N0011

b plastic cover 103N2010

Operation Pressure Range



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Configuration 1

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Standard Conditions

R600a, 220 V/50 Hz, RSIR, static

pe	pc	RGT	Tliq	Cooling capacity			COP	EER	P	I	m	
[°C] [°F]	[°C] [°F]	[°C] [°F]	[°C] [°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[W]	[A]	[kg/h]	
-23.3 -10	54.4 129.9	32.2 90	32.2 90	253	864	218	1.51	5.17	167	1.26	2.72	ASHRAE LBP
-25 -13	55 131	32 89.6	55 131	190	648	163	1.19	4.05	160	1.23	2.48	CECOMAF LBP
-35 -31	40 104	20 68	40 104	128	435	110	1.10	3.76	116	0.97	1.55	EN12900 LBP
-23.3 -10	48.8 119.8	4.4 39.9	48.8 119.8	207	708	178	1.27	4.32	164	1.22	3.02	ARI540 LBP
-23.3 -10	40.6 105.1	32.2 90	32.2 90	274	936	236	1.75	5.98	156	1.17	2.95	AHAM LBP
-35 -31	45 113	32 89.6	45 113	121	414	104	1.05	3.58	116	0.99	1.44	opt LBP

Performance Tables

R600a, 220 V/50 Hz, RSIR, static

pc= 45/113 | RGT= 32/89.6 | Tliq= 45/113 | °C/°F

pe		Cooling capacity			COP	EER	P	I	m
[°C]	[°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[W]	[A]	[kg/h]
-35	-31	121	414	104	1.05	3.58	116	0.99	1.44
-30	-22	167	569	143	1.23	4.19	136	1.08	1.98
-25	-13	221	754	190	1.43	4.88	155	1.17	2.63
-20	-4	286	977	246	1.65	5.63	174	1.26	3.41
-15	5	363	1240	312	1.88	6.41	193	1.36	4.34
-10	14	454	1549	390	2.11	7.19	215	1.46	5.43

pc= 55/131 | RGT= 32/89.6 | Tliq= 55/131 | °C/°F

-35	-31	106	361	91	0.93	3.17	114	1.03	1.38
-30	-22	144	490	123	1.04	3.56	138	1.12	1.87
-25	-13	190	648	163	1.19	4.05	160	1.23	2.48
-20	-4	246	840	212	1.35	4.62	182	1.33	3.22
-15	5	314	1072	270	1.53	5.23	205	1.44	4.11
-10	14	395	1347	340	1.72	5.87	230	1.55	5.18

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Configuration 2

Sales code:

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Configuration

Motor configuration	RSCR
Power supply (nominal)	220-240 V/50 Hz 1~
Refrigerant	R600a
Application	LBP
Voltage range	187-254 V
Starting torque	LST
Approvals	VDE
Starting device type	PTC
Run capacitor	4 μF
Start capacitor	-/-
RLA (rated load amps / 1s/ U(N))	-/-A

Ambient/ machine room temperatures minimum /maximum

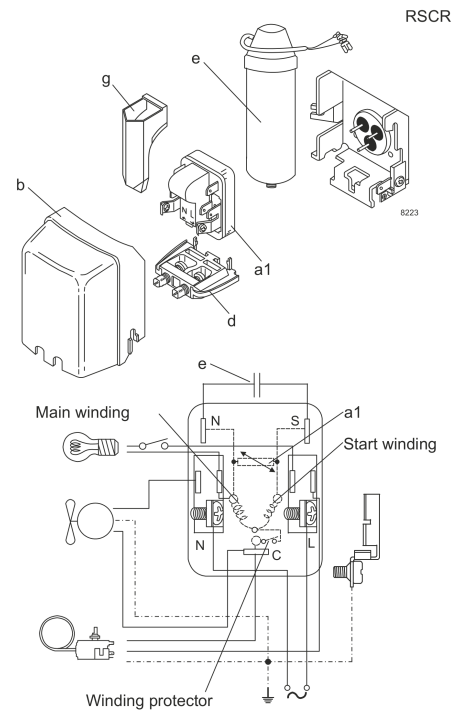
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System Cooling

static

Electrical Accessories / Wiring Diagram



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Components

a1 PTC starter (220V, 250Ohm, 4.8mm) 103N0021

e run capacitor (4 μ F, 4.8mm) 117-7119

b plastic cover 103N2010

d cord relief 103N1010

g protection screen for PTC 103N0476

bracket for run capacitor 117-0300

Alternative components

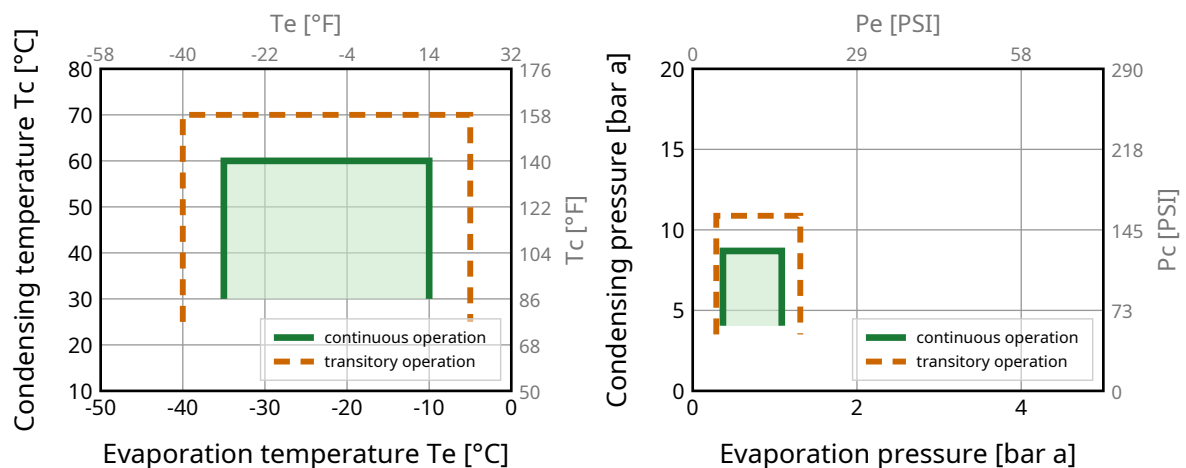
a1 PTC starter (220V, 250Ohm, 6.3mm) 103N0016

e run capacitor (4 μ F, 6.3mm) 117-7117

b plastic cover 103N2011

screw M4x8mm 117-0301

Operation Pressure Range



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Configuration 2

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Standard Conditions

R600a, 220 V/50 Hz, RSCR, static

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