Model
NLE10MF.2

Sales code:
105G6187

Compressor Data

Refrigerant(s)	**R134a / R513A**
Refr. charge - tech. limit	**600g / 21.16oz**
Weight	**10.90 kg / 24.03lbs**
Displacement	**10.09 cm3 / 0.62cu.in**
Compressors on pallet	**80**

General – Configurations With NLE10MF.2

–	Conf. 1	Conf. 2	Conf. 3	Conf. 4	Conf. 5	Conf. 6
Motor configuration	CSIR	eRSIR	eRSCR	CSIR	eRSCR	eRSIR
Power supply (nominal)	220-240 V/50 Hz	220-240 V/50 Hz	220-240 V/50 Hz	220-240 V/50 Hz	220-240 V/50 Hz	220-240 V/50 Hz
Number of phases	1	1	1	1	1	1
Voltage range	198-254 V	198-254 V	198-254 V	198-254 V	198-254 V	198-254 V
Approvals	VDE	VDE	VDE	VDE	VDE	VDE
Starting torque	HST	LST	LST	HST	LST	LST
Refrigerant	R134a	R134a	R134a	R513A	R513A	R513A
Application	LBP+MBP	LBP+MBP	LBP+MBP	LBP+MBP	LBP+MBP	LBP+MBP
Hot gas defrost	OK	OK	OK	OK	OK	OK
Long interval pull down	OK	OK	OK	OK	OK	OK

Application Notes

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

Model
NLE10MF.2

Sales code:
105G6187

Compressor Design

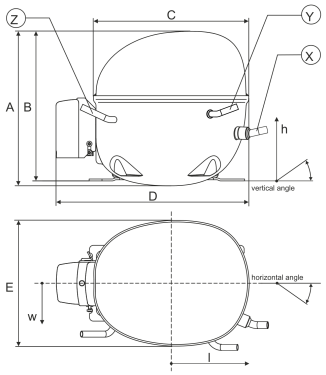
Oil type	**POE**	Winding resistance main	**9.28 Ohm**
Oil viscosity	**19,2cSt**	Winding resistance aux	**11.64 Ohm**
Oil quantity	**300 cm3 / 10.14fl.oz**	Max. winding temp.	**125 °C**
Free gas volume comp.	**2,360 cm3 / 79.80fl.oz**	Max. discharge temp.	**110°C / 230°F**
Motor protection	**internal**		

Compressor Dimensions

Housing

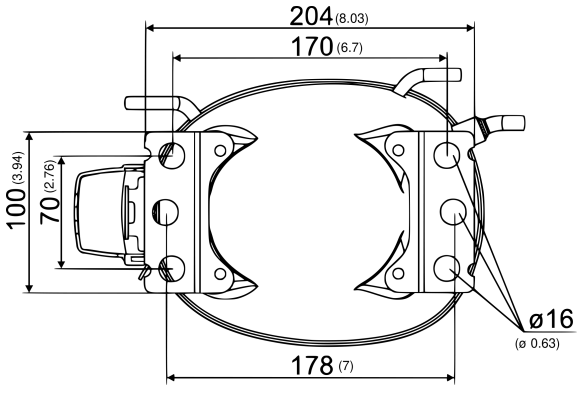
A Height	**203mm / 7.99in**
B Height	**197mm / 7.76in**
C Length shell	**205mm / 8.07in**
D Length w. cover	**254mm / 10.00in**
E Width	**166mm / 6.54in**

Find 3D Model here



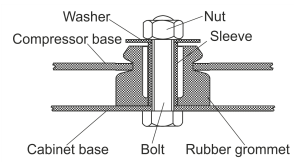
Connectors	Suction X	Discharge Y	Process Z
Diameter [mm]	øi 8.11–8.29 / 0.32–0.33in	øi 6.11–6.29 / 0.24–0.25in	øi 6.11–6.29 / 0.24–0.25in
Material	CU	CU	CU
Horizontal angle ±2°	0°	0°	0°
Vertical angle ±2°	15°	21°	155°
Position l/h/w [mm]	132/68.5/56.7 / 5.20/2.70/2.23in	94/101.7/81 / 3.70/4.00/3.19in	-109.3/94.3/72 / -4.30/3.71/2.83in
Straight tube l. [mm]	12 / 0.47in	12 / 0.47in	12 / 0.47in

Mounting Accessories

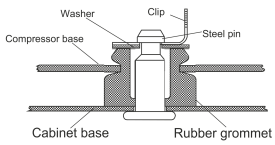


Dimensions in mm [in]

Bolt joint



Snap-on



	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

Model
NLE10MF.2 Configuration 1

Sales code:
105G6187

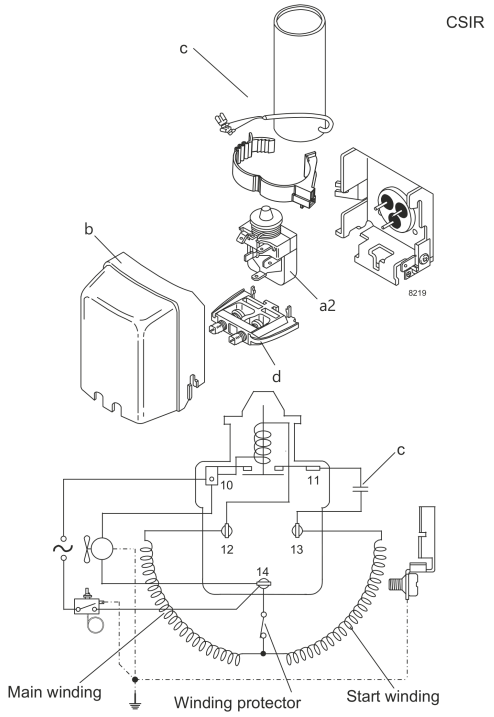
Configuration

Motor configuration	**CSIR**
Power supply (nominal)	**220-240 V/50 Hz 1~**
Refrigerant	**R134a**
Application	**LBP+MBP**
Voltage range	**198-254 V**
Starting torque	**HST**
Approvals	**VDE**
Starting device type	**relay**
Run capacitor	**-/-**
Start capacitor	**80 µF**
LRA (locked rotor amps / 4s/ U(N))	**10.7 A**
RLA (rated load amps / 1s/ U(N))	**2.15 A**
Cut in current (U(N))	**15.9 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
fan 3m/s

Electrical Accessories / Wiring Diagram

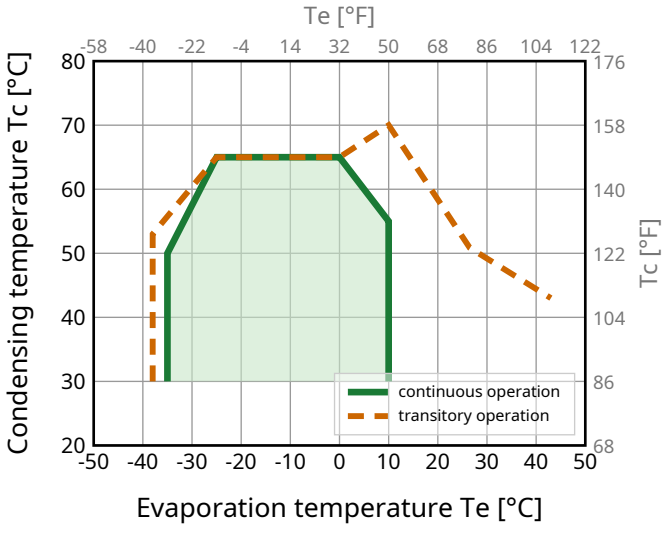


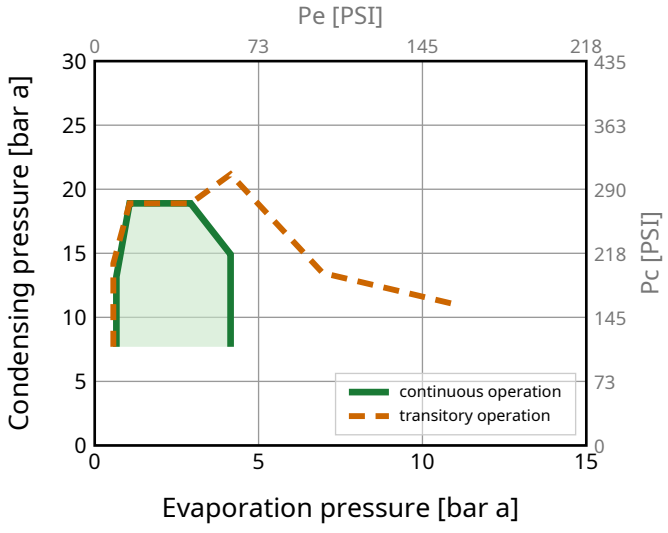
View full size

Components
a2 assy. relay 117U6002
c start capacitor (80µF) 117U5015
b plastic cover 103N2010
d cord relief 103N1010

Alternative components
b plastic cover 103N2011

Operation Pressure Range





Model
NLE10MF.2 Configuration 1

Sales code:
105G6187

Standard Conditions

R134a, 220 V/50 Hz, CSIR, fan 3m/s

pe	pc	RGT	Tliq	Cooling capacity			COP	EER	P	I	ṁ	
[°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	**289**	986	249	**1.45**	4.94	200	1.54	5.61	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**210**	718	181	**1.12**	3.82	188	1.51	5.02	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**152**	517	130	**1.06**	3.63	142	1.43	3.32	**EN12900 LBP**
-6.7 20	54.4 129.9	35 95	46.1 115	**608**	2073	523	**1.94**	6.62	313	1.89	13.23	**ASHRAE MBP**
-10 14	55 131	32 89.6	55 131	**471**	1607	405	**1.62**	5.53	290	1.81	11.36	**CECOMAF MBP**
-10 14	45 113	20 68	45 113	**537**	1832	462	**1.99**	6.79	270	1.75	12.52	**EN12900 MBP**

Performance Tables

R134a, 220 V/50 Hz, CSIR, fan 3m/s

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

pe		Cooling capacity			COP	EER	P	I	ṁ
[°C]	[°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[W]	[A]	[kg/h]
-35	-31	**134**	458	115	**0.94**	3.20	143	1.43	2.89
-30	-22	**194**	661	166	**1.17**	3.98	166	1.47	4.18
-20	-4	**344**	1173	296	**1.60**	5.45	215	1.58	7.46
-10	14	**556**	1897	478	**2.06**	7.04	270	1.75	12.14
0	32	**854**	2913	734	**2.59**	8.83	330	1.96	18.84
10	50	**1261**	4304	1085	**3.17**	10.82	398	2.20	28.23

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

-35	-31	**94**	319	80	**0.75**	2.56	125	1.40	2.22
-30	-22	**148**	506	128	**0.95**	3.25	156	1.45	3.53
-20	-4	**283**	966	243	**1.28**	4.37	221	1.59	6.77
-10	14	**471**	1607	405	**1.62**	5.53	290	1.81	11.36
0	32	**737**	2513	633	**2.02**	6.88	365	2.08	17.96
10	50	**1103**	3764	949	**2.47**	8.43	447	2.40	27.33

Model
NLE10MF.2 Configuration 2

Sales code:
105G6187

Configuration

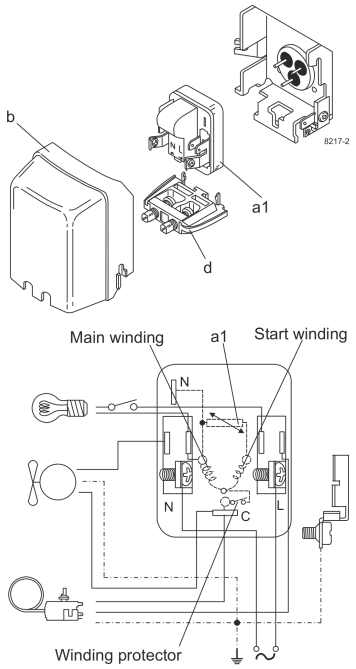
Motor configuration	**eRSIR**
Power supply (nominal)	**220-240 V/50 Hz 1~**
Refrigerant	**R134a**
Application	**LBP+MBP**
Voltage range	**198-254 V**
Starting torque	**LST**
Approvals	**VDE**
Starting device type	**e-PTC**
Run capacitor	**-/-**
Start capacitor	**-/-**
LRA (locked rotor amps / 4s/ U(N))	**10.7 A**
RLA (rated load amps / 1s/ U(N))	**2.15 A**
Cut in current (U(N))	**15.9 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
fan 3m/s

Electrical Accessories / Wiring Diagram

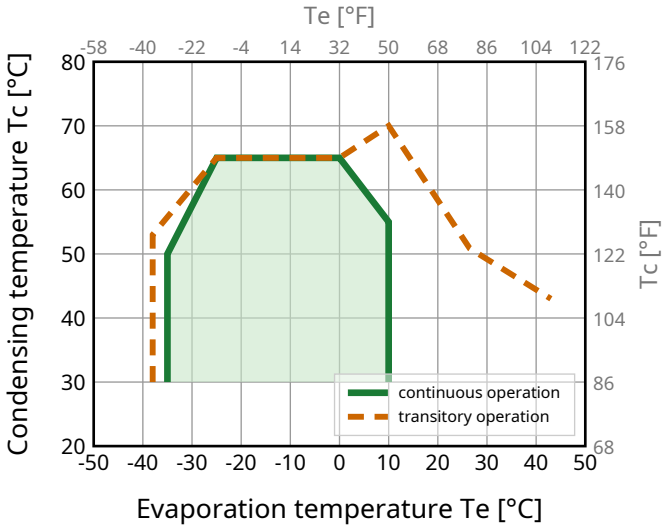
RSIR

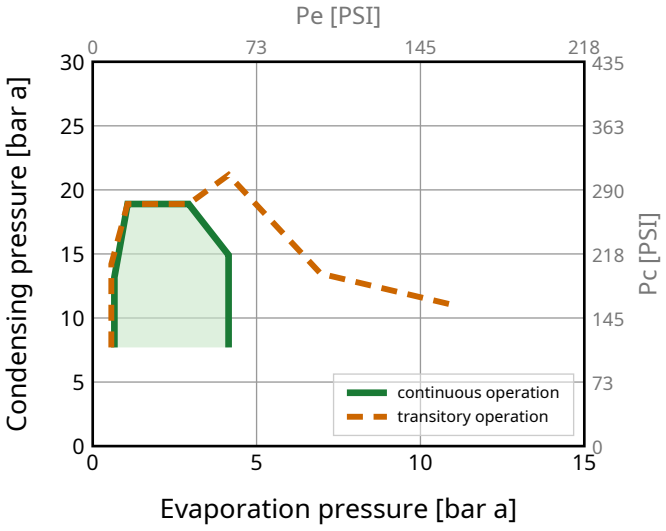


Components
a1 e-PTC starter (220V, 25Ohm, 4.8mm) 103N0050
b plastic cover 103N2010
d cord relief 103N1010

Alternative components
b plastic cover 103N2011

Operation Pressure Range





Model
NLE10MF.2 Configuration 2

Sales code:
105G6187

Standard Conditions

R134a, 220 V/50 Hz, eRSIR, fan 3m/s

pe	pc	RGT	Tliq	Cooling capacity			COP	EER	P	I	ṁ	
[°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	**289**	986	249	**1.45**	4.94	200	1.54	5.61	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**210**	718	181	**1.12**	3.82	188	1.51	5.02	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**152**	517	130	**1.06**	3.63	142	1.43	3.32	**EN12900 LBP**
-6.7 20	54.4 129.9	35 95	46.1 115	**608**	2073	523	**1.94**	6.62	313	1.89	13.23	**ASHRAE MBP**
-10 14	55 131	32 89.6	55 131	**471**	1607	405	**1.62**	5.53	290	1.81	11.36	**CECOMAF MBP**
-10 14	45 113	20 68	45 113	**537**	1832	462	**1.99**	6.79	270	1.75	12.52	**EN12900 MBP**

Performance Tables

R134a, 220 V/50 Hz, eRSIR, fan 3m/s

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

pe		Cooling capacity			COP	EER	P	I	ṁ
[°C]	[°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[W]	[A]	[kg/h]
-35	-31	**134**	458	115	**0.94**	3.20	143	1.43	2.89
-30	-22	**194**	661	166	**1.17**	3.98	166	1.47	4.18
-20	-4	**344**	1173	296	**1.60**	5.45	215	1.58	7.46
-10	14	**556**	1897	478	**2.06**	7.04	270	1.75	12.14
0	32	**854**	2913	734	**2.59**	8.83	330	1.96	18.84
10	50	**1261**	4304	1085	**3.17**	10.82	398	2.20	28.23

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

-35	-31	**94**	319	80	**0.75**	2.56	125	1.40	2.22
-30	-22	**148**	506	128	**0.95**	3.25	156	1.45	3.53
-20	-4	**283**	966	243	**1.28**	4.37	221	1.59	6.77
-10	14	**471**	1607	405	**1.62**	5.53	290	1.81	11.36
0	32	**737**	2513	633	**2.02**	6.88	365	2.08	17.96
10	50	**1103**	3764	949	**2.47**	8.43	447	2.40	27.33

Model
NLE10MF.2 Configuration 3

Sales code:
105G6187

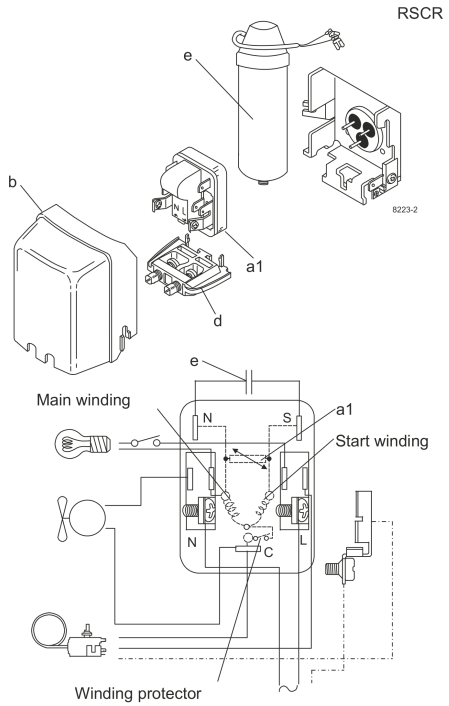
Configuration

Motor configuration	**eRSCR**
Power supply (nominal)	**220-240 V/50 Hz 1~**
Refrigerant	**R134a**
Application	**LBP+MBP**
Voltage range	**198-254 V**
Starting torque	**LST**
Approvals	**VDE**
Starting device type	**e-PTC**
Run capacitor	**4 µF**
Start capacitor	**-/-**
LRA (locked rotor amps / 4s/ U(N))	**10.7 A**
RLA (rated load amps / 1s/ U(N))	**2.15 A**
Cut in current (U(N))	**15.9 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
fan 3m/s

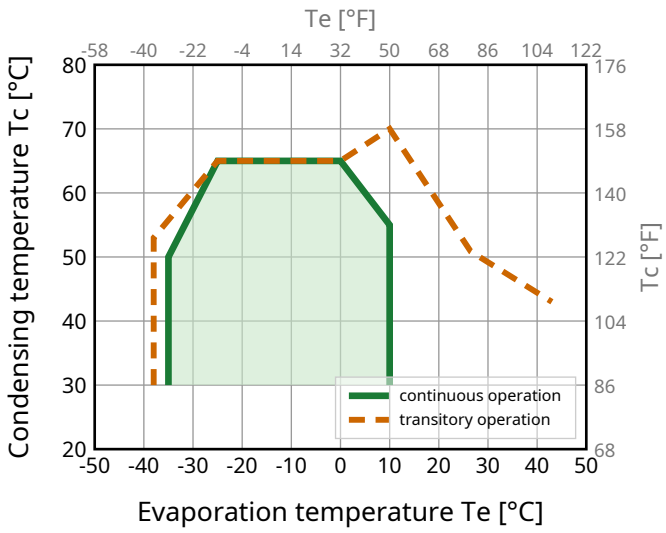
Electrical Accessories / Wiring Diagram

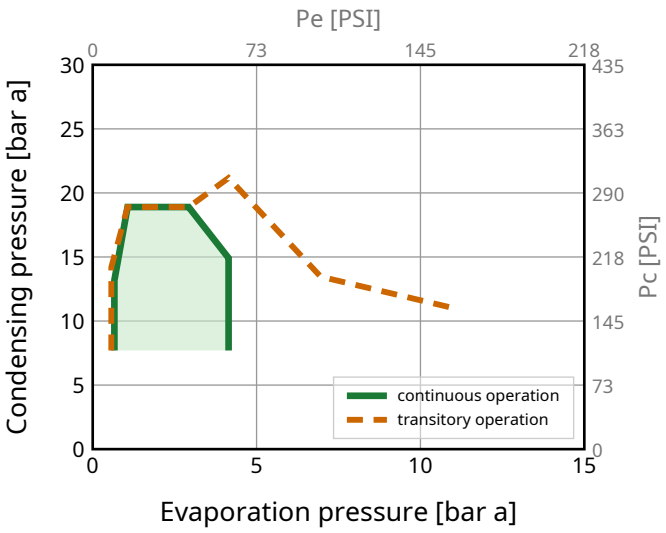


Components
a1 e-PTC starter (220V, 25Ohm, 4.8mm) 103N0050
e run capacitor (4µF, 4.8mm) 117-7119
b plastic cover 103N2010
d cord relief 103N1010
bracket for run capacitor 117-0300
screw M4x8mm 117-0301

Alternative components
b plastic cover 103N2011

Operation Pressure Range





Model
NLE10MF.2 Configuration 3

Sales code:
105G6187

Standard Conditions

R134a, 220 V/50 Hz, eRSCR, fan 3m/s

pe	pc	RGT	Tliq	Cooling capacity			COP	EER	P	I	ṁ	
[°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	**289**	985	248	**1.52**	5.20	190	1.46	5.60	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**210**	717	181	**1.18**	4.02	178	1.43	5.01	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**152**	517	130	**1.12**	3.82	135	1.36	3.31	**EN12900 LBP**
-6.7 20	54.4 129.9	35 95	46.1 115	**607**	2071	522	**2.04**	6.97	297	1.79	13.22	**ASHRAE MBP**
-10 14	55 131	32 89.6	55 131	**471**	1606	405	**1.71**	5.83	276	1.71	11.35	**CECOMAF MBP**
-10 14	45 113	20 68	45 113	**536**	1830	461	**2.10**	7.15	256	1.66	12.50	**EN12900 MBP**

Performance Tables

R134a, 220 V/50 Hz, eRSCR, fan 3m/s

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

pe		Cooling capacity			COP	EER	P	I	ṁ
[°C]	[°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[W]	[A]	[kg/h]
-35	-31	**134**	458	115	**0.99**	3.37	136	1.36	2.89
-30	-22	**193**	660	166	**1.23**	4.19	158	1.39	4.17
-20	-4	**344**	1172	295	**1.68**	5.74	204	1.50	7.45
-10	14	**555**	1895	478	**2.17**	7.41	256	1.66	12.13
0	32	**853**	2910	733	**2.72**	9.29	313	1.86	18.82
10	50	**1260**	4299	1084	**3.34**	11.39	377	2.09	28.20

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

-35	-31	**93**	319	80	**0.79**	2.70	118	1.33	2.22
-30	-22	**148**	505	127	**1.00**	3.42	148	1.37	3.52
-20	-4	**283**	965	243	**1.35**	4.60	210	1.51	6.76
-10	14	**471**	1606	405	**1.71**	5.83	276	1.71	11.35
0	32	**736**	2511	633	**2.12**	7.24	347	1.97	17.94
10	50	**1102**	3760	948	**2.60**	8.87	424	2.28	27.30

Model

NLE10MF.2 Configuration 4

Sales code:

105G6187

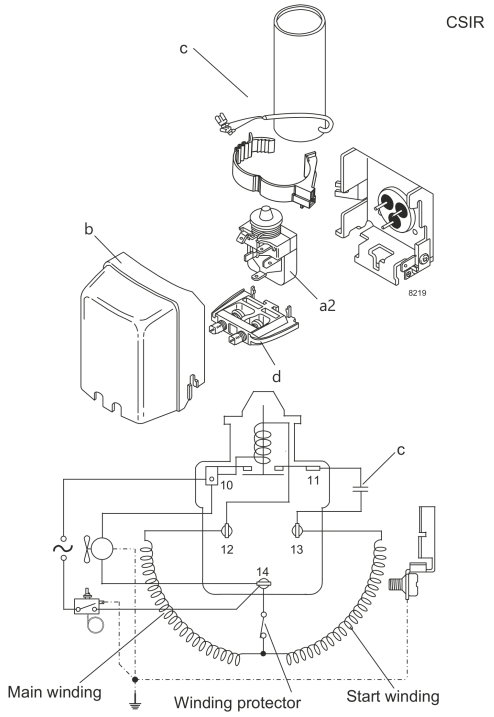
Configuration

Motor configuration	**CSIR**
Power supply (nominal)	**220-240 V/50 Hz 1~**
Refrigerant	**R513A**
Application	**LBP+MBP**
Voltage range	**198-254 V**
Starting torque	**HST**
Approvals	**VDE**
Starting device type	**relay**
Run capacitor	**-/-**
Start capacitor	**80 µF**
LRA (locked rotor amps / 4s/ U(N))	**10.7 A**
RLA (rated load amps / 1s/ U(N))	**2.15 A**
Cut in current (U(N))	**15.9 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
fan 3m/s

Electrical Accessories / Wiring Diagram

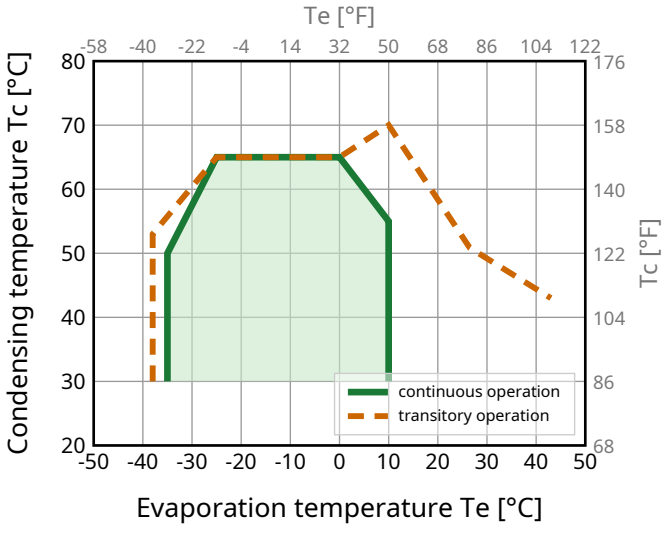


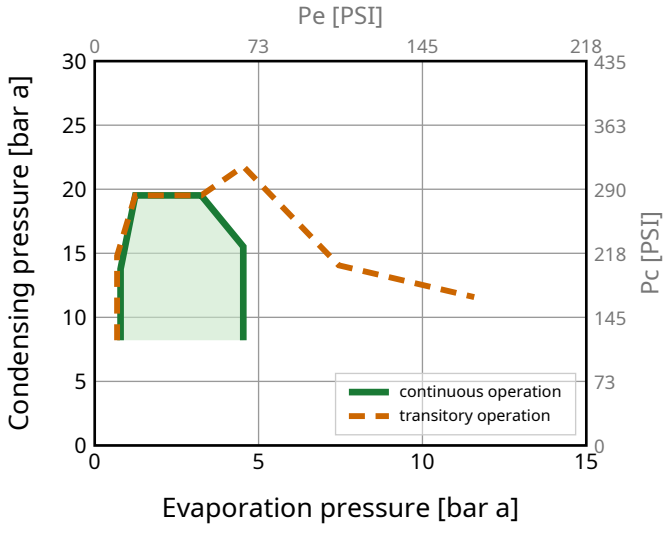
View full size

Components
a2 assy. relay 117U6002
c start capacitor (80µF) 117U5015
b plastic cover 103N2010
d cord relief 103N1010

Alternative components
b plastic cover 103N2011

Operation Pressure Range





Model

NLE10MF.2 Configuration 4

Sales code:

105G6187

Standard Conditions

R513A, 220 V/50 Hz, CSIR, fan 3m/s

pe	pc	RGT	Tliq	Cooling capacity			COP	EER	P	I	ṁ	
[°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	**321**	1095	276	**1.48**	5.05	217	1.63	7.03	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**228**	779	196	**1.12**	3.81	205	1.60	6.32	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**170**	582	147	**1.09**	3.72	156	1.46	4.29	**EN12900 LBP**
-6.7 20	54.4 129.9	35 95	46.1 115	**638**	2178	549	**1.92**	6.55	332	1.97	15.91	**ASHRAE MBP**
-10 14	55 131	32 89.6	55 131	**490**	1672	421	**1.58**	5.40	310	1.90	13.75	**CECOMAF MBP**
-10 14	45 113	20 68	45 113	**559**	1908	481	**1.95**	6.65	287	1.83	15.14	**EN12900 MBP**

Performance Tables

R513A, 220 V/50 Hz, CSIR, fan 3m/s

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

pe		Cooling capacity			COP	EER	P	I	ṁ
[°C]	[°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[W]	[A]	[kg/h]
-35	-31	**153**	522	132	**0.97**	3.32	158	1.46	3.77
-30	-22	**216**	736	185	**1.19**	4.06	181	1.53	5.32
-20	-4	**371**	1266	319	**1.60**	5.47	232	1.68	9.21
-10	14	**587**	2001	504	**2.05**	6.98	287	1.83	14.68
0	32	**886**	3022	762	**2.55**	8.70	347	2.01	22.43
10	50	**1292**	4407	1111	**3.11**	10.62	415	2.21	33.27

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

-35	-31	**107**	366	92	**0.77**	2.64	139	1.41	2.95
-30	-22	**164**	561	141	**0.96**	3.27	171	1.50	4.54
-20	-4	**302**	1030	260	**1.26**	4.32	239	1.70	8.39
-10	14	**490**	1672	421	**1.58**	5.40	310	1.90	13.75
0	32	**752**	2564	646	**1.95**	6.65	385	2.12	21.37
10	50	**1110**	3789	955	**2.38**	8.11	467	2.36	32.17

Model
NLE10MF.2 Configuration 5

Sales code:
105G6187

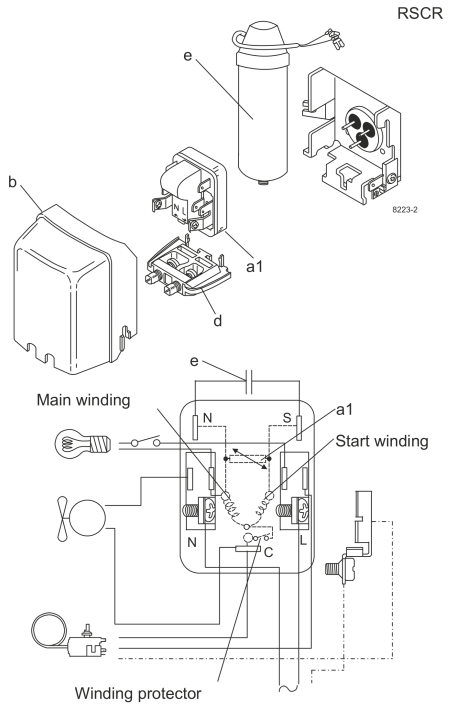
Configuration

Motor configuration	**eRSCR**
Power supply (nominal)	**220-240 V/50 Hz 1~**
Refrigerant	**R513A**
Application	**LBP+MBP**
Voltage range	**198-254 V**
Starting torque	**LST**
Approvals	**VDE**
Starting device type	**e-PTC**
Run capacitor	**4 µF**
Start capacitor	**-/-**
LRA (locked rotor amps / 4s/ U(N))	**10.7 A**
RLA (rated load amps / 1s/ U(N))	**2.15 A**
Cut in current (U(N))	**15.9 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
fan 3m/s

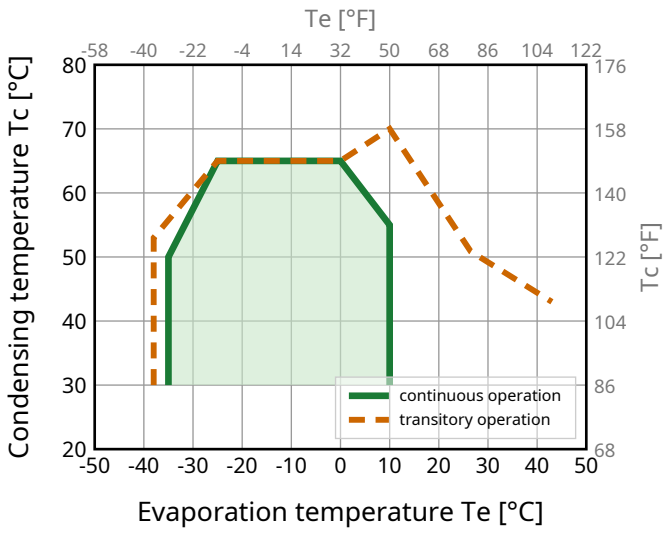
Electrical Accessories / Wiring Diagram

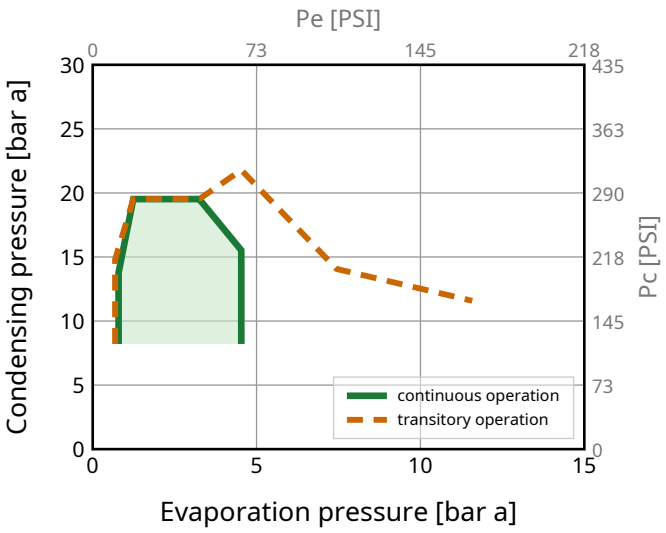


Components
a1 e-PTC starter (220V, 25Ohm, 4.8mm) 103N0050
e run capacitor (4µF, 4.8mm) 117-7119
b plastic cover 103N2010
d cord relief 103N1010
bracket for run capacitor 117-0300
screw M4x8mm 117-0301

Alternative components
b plastic cover 103N2011

Operation Pressure Range





Model

NLE10MF.2 Configuration 5

Sales code:

105G6187

Standard Conditions

R513A, 220 V/50 Hz, eRSCR, fan 3m/s

pe	pc	RGT	Tliq	Cooling capacity			COP	EER	P	I	ṁ	
[°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	**318**	1085	273	**1.56**	5.32	204	1.63	6.96	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**226**	771	194	**1.17**	4.01	192	1.61	6.26	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**169**	576	145	**1.16**	3.94	146	1.55	4.25	**EN12900 LBP**
-6.7 20	54.4 129.9	35 95	46.1 115	**636**	2171	547	**2.02**	6.90	314	1.91	15.86	**ASHRAE MBP**
-10 14	55 131	32 89.6	55 131	**488**	1665	420	**1.67**	5.69	293	1.85	13.69	**CECOMAF MBP**
-10 14	45 113	20 68	45 113	**557**	1902	479	**2.06**	7.02	271	1.78	15.09	**EN12900 MBP**

Performance Tables

R513A, 220 V/50 Hz, eRSCR, fan 3m/s

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

pe		Cooling capacity			COP	EER	P	I	ṁ
[°C]	[°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[W]	[A]	[kg/h]
-35	-31	**151**	517	130	**1.03**	3.51	147	1.56	3.73
-30	-22	**214**	728	184	**1.25**	4.28	170	1.58	5.27
-20	-4	**369**	1259	317	**1.69**	5.76	218	1.66	9.15
-10	14	**585**	1995	503	**2.16**	7.36	271	1.78	14.64
0	32	**884**	3017	760	**2.69**	9.17	329	1.96	22.40
10	50	**1290**	4401	1109	**3.28**	11.19	393	2.18	33.22

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

-35	-31	**106**	361	91	**0.82**	2.79	129	1.51	2.91
-30	-22	**162**	554	140	**1.01**	3.45	161	1.55	4.48
-20	-4	**300**	1022	258	**1.33**	4.54	225	1.68	8.33
-10	14	**488**	1665	420	**1.67**	5.69	293	1.85	13.69
0	32	**750**	2559	645	**2.06**	7.02	365	2.08	21.33
10	50	**1109**	3783	954	**2.50**	8.55	443	2.36	32.12

Model Sales code:

NLE10MF.2 Configuration 6 **105G6187**

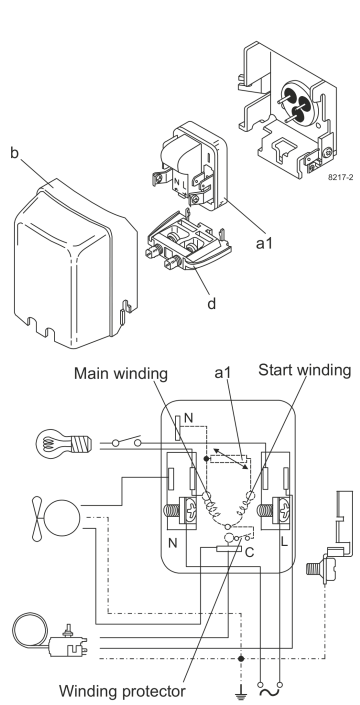
Configuration

Motor configuration	**eRSIR**
Power supply (nominal)	**220-240 V/50 Hz 1~**
Refrigerant	**R513A**
Application	**LBP+MBP**
Voltage range	**198-254 V**
Starting torque	**LST**
Approvals	**VDE**
Starting device type	**e-PTC**
Run capacitor	**-/-**
Start capacitor	**-/-**
LRA (locked rotor amps / 4s/ U(N))	**10.7 A**
RLA (rated load amps / 1s/ U(N))	**2.15 A**
Cut in current (U(N))	**15.9 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
fan 3m/s

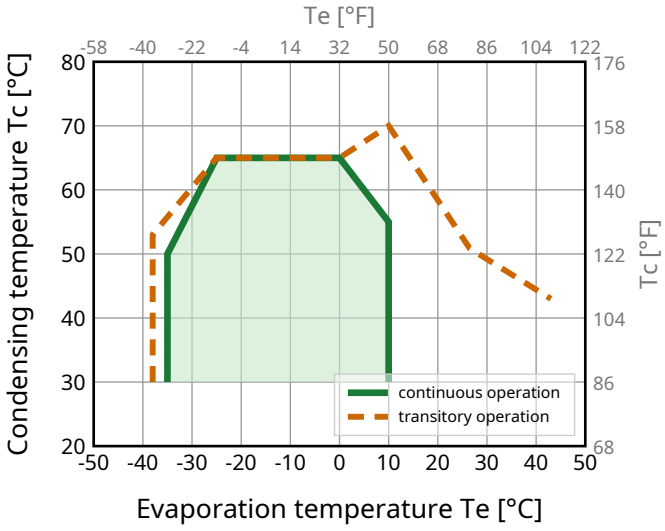
Electrical Accessories / Wiring Diagram

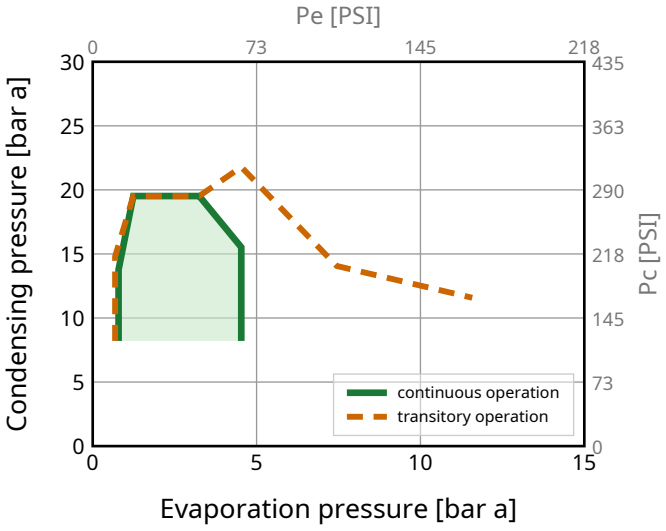


Components
a1 e-PTC starter (220V, 25Ohm, 4.8mm) 103N0050
b plastic cover 103N2010
d cord relief 103N1010

Alternative components
b plastic cover 103N2011

Operation Pressure Range





Model

NLE10MF.2 Configuration 6

Sales code:

105G6187

Standard Conditions

R513A, 220 V/50 Hz, eRSIR, fan 3m/s

pe	pc	RGT	Tliq	Cooling capacity			COP	EER	P	I	ṁ	
[°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	**321**	1095	276	**1.48**	5.05	217	1.63	7.03	**ASHRAE LBP**
-25 -13	55 131	32 89.6	55 131	**228**	779	196	**1.12**	3.81	205	1.60	6.32	**CECOMAF LBP**
-35 -31	40 104	20 68	40 104	**170**	582	147	**1.09**	3.72	156	1.46	4.29	**EN12900 LBP**
-6.7 20	54.4 129.9	35 95	46.1 115	**638**	2178	549	**1.92**	6.55	332	1.97	15.91	**ASHRAE MBP**
-10 14	55 131	32 89.6	55 131	**490**	1672	421	**1.58**	5.40	310	1.90	13.75	**CECOMAF MBP**
-10 14	45 113	20 68	45 113	**559**	1908	481	**1.95**	6.65	287	1.83	15.14	**EN12900 MBP**

Performance Tables

R513A, 220 V/50 Hz, eRSIR, fan 3m/s

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

pe		Cooling capacity			COP	EER	P	I	ṁ
[°C]	[°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[W]	[A]	[kg/h]
-35	-31	**153**	522	132	**0.97**	3.32	158	1.46	3.77
-30	-22	**216**	736	185	**1.19**	4.06	181	1.53	5.32
-20	-4	**371**	1266	319	**1.60**	5.47	232	1.68	9.21
-10	14	**587**	2001	504	**2.05**	6.98	287	1.83	14.68
0	32	**886**	3022	762	**2.55**	8.70	347	2.01	22.43
10	50	**1292**	4407	1111	**3.11**	10.62	415	2.21	33.27

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

-35	-31	**107**	366	92	**0.77**	2.64	139	1.41	2.95
-30	-22	**164**	561	141	**0.96**	3.27	171	1.50	4.54
-20	-4	**302**	1030	260	**1.26**	4.32	239	1.70	8.39
-10	14	**490**	1672	421	**1.58**	5.40	310	1.90	13.75
0	32	**752**	2564	646	**1.95**	6.65	385	2.12	21.37
10	50	**1110**	3789	955	**2.38**	8.11	467	2.36	32.17