

Model
NF11FX.2

Sales code:
105G5914

Compressor Data

Refrigerant(s)	R134a
Refr. charge - tech. limit	400g / 14.11oz
Weight	10.00 kg / 22.05lbs
Displacement	11.25 cm3 / 0.69cu.in
Compressors on pallet	80



General – Configurations With NF11FX.2

-	Conf. 1
Motor configuration	CSIR
Power supply (nominal)	115 V/60 Hz
Number of phases	1
Voltage range	95-135 V
Approvals	UL
Starting torque	HST
Refrigerant	R134a
Application	MBP
Hot gas defrost	OK
Long interval pull down	OK

Application Notes

- Electrical equipment is included and pre-assembled to compressor.
- Provision for PE Grounding is located at the PE Stamp on the compressor

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Compressor Design

Oil type	POE	Winding resistance main	1.000 Ohm
Oil viscosity	32cSt	Winding resistance aux	2.90 Ohm
Oil quantity	298 / 10.08fl.oz	Max. winding temp.	125 °C
Free gas volume comp.	2,360 cm ³ / 79.80fl.oz	Max. discharge temp.	130°C / 266°F
Motor protection	external		

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

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Connectors	Suction X	Discharge Y	Process Z
Diameter [mm]	øi 8.11–8.29 / 0.32–0.33in	øi 6.41–6.59 / 0.25–0.26in	øi 6.41–6.59 / 0.25–0.26in
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	-
Bolt joint ø1/4" ø19mm	118-1949	-
Snap-on ø7,3 ø16mm	118-1947	118-1919

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Configuration 1

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Configuration

Motor configuration	CSIR
Power supply (nominal)	115 V/60 Hz 1~
Refrigerant	R134a
Application	MBP
Voltage range	95-135 V
Starting torque	HST
Approvals	UL
Starting device type	relay
Run capacitor	-/-
Start capacitor	410 µF
LRA (locked rotor amps / 4s/ U(N))	40 A
RLA (rated load amps / 1s/ U(N))	7 A
Cut in current (U(N))	40 A

Ambient/ machine room temperatures minimum /maximum

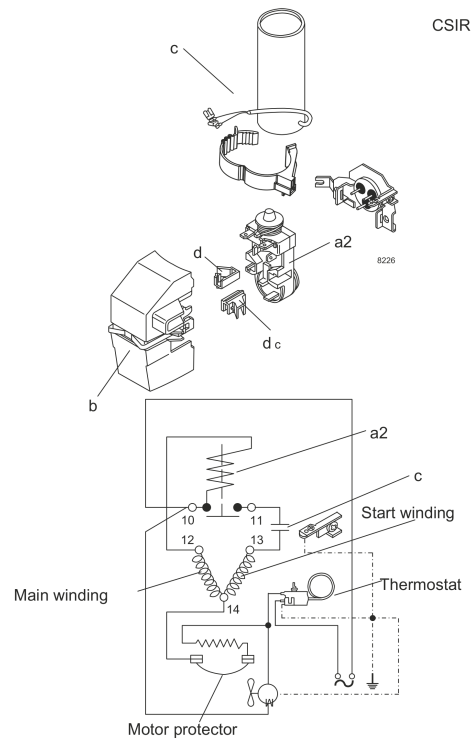
Ambient temperature range: 10 - 43°C / 50 - 109°F

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

System Cooling

fan 3m/s

Electrical Accessories / Wiring Diagram



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Components (already pre-assembled)

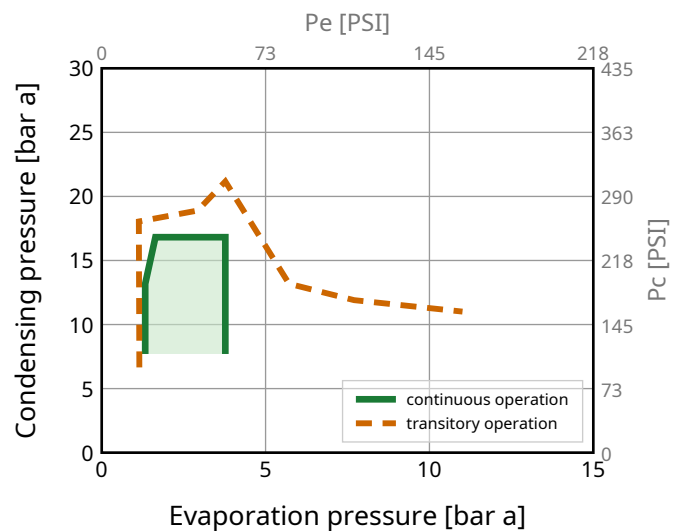
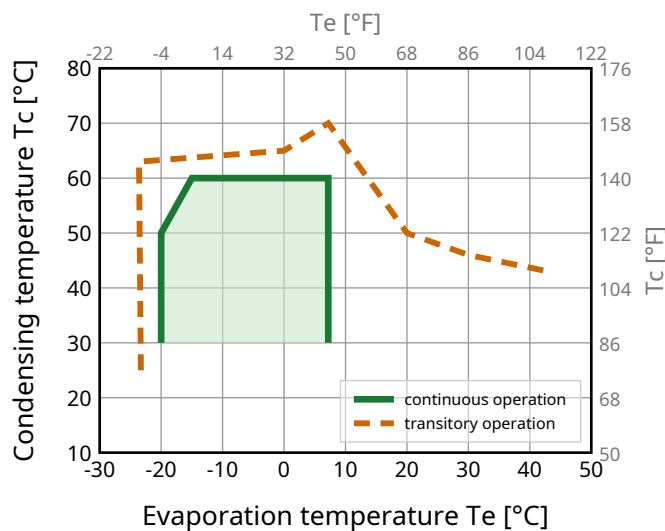
a2 assy. Relay (TI MRT16ADK-6) 117U4151

c start capacitor (410µF) 117U5028

b plastic cover + clamp 117U1021

d/dc cord relief 117U0349

Operation Pressure Range



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Standard Conditions

R134a, 115 V/60 Hz, CSIR, fan 3m/s

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]	
-6.7 20	54.4 129.9	35 95	46.1 115	794	2708	683	1.65	5.61	483	6.02	17.29	ASHRAE MBP
-10 14	55 131	32 89.6	55 131	618	2108	531	1.36	4.65	453	5.84	14.90	CECOMAF MBP
-10 14	45 113	20 68	45 113	697	2377	599	1.62	5.52	430	5.70	16.24	EN12900 MBP
-6.7 20	48.8 119.8	18.3 64.9	48.8 119.8	755	2577	650	1.62	5.52	467	5.92	18.56	ARI540 MBP
-10 14	45 113	32 89.6	45 113	722	2462	620	1.68	5.72	430	5.70	15.76	opt MBP
-23.3 -10	45 113	32.2 90	32.2 90	418	1428	360	1.27	4.33	330	5.17	8.12	opt LBP

Performance Tables

R134a, 115 V/60 Hz, CSIR, fan 3m/s

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]
-20	-4	449	1531	386	1.26	4.31	355	5.28	9.73
-15	5	575	1962	494	1.47	5.00	392	5.48	12.51
-10	14	722	2462	620	1.68	5.72	430	5.70	15.76
-5	23	890	3037	766	1.90	6.47	470	5.95	19.53
0	32	1083	3695	931	2.12	7.22	512	6.22	23.89
5	41	1302	4441	1119	2.33	7.95	559	6.52	28.91
7.2	45	1406	4799	1210	2.42	8.26	581	6.66	31.34

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

-20	-4	373	1271	320	1.03	3.52	361	5.35	8.91
-15	5	485	1656	417	1.19	4.07	407	5.58	11.65
-10	14	618	2108	531	1.36	4.65	453	5.84	14.90
-5	23	772	2635	664	1.54	5.26	500	6.13	18.72
0	32	950	3243	817	1.73	5.89	550	6.44	23.17
5	41	1154	3937	992	1.91	6.52	604	6.78	28.35
7.2	45	1252	4273	1077	1.99	6.79	629	6.94	30.87