Single
Packs

Single Pack NF11FX 220V 50Hz CSIR

Single pack code number: **195B4027**

Position	Title	Code	Amount
1	Compressor NF11FX	105G6944	1
2	Starting relay (overload protector MRP56EN-6)	117U4139	1
3	Starting capacitor (125µF 220V, 6.3mm)	117U5018	1
4	Cord relief	117U0349	2
5	Cover	117U1023	1
6	Bolt joint for one compressor | M6 | ø16mm	118-1917	1

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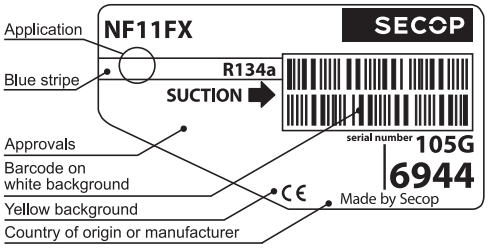
NF11FX
Standard Compressor
R134a
220V 50Hz



General

Code number	105G6944
Approvals	–
Compressors on pallet	80

Application

Application		LBP/MBP	
Frequency	Hz	50	60
Evaporating temperature	°F	-30 to 45	–
Voltage range	V	198 - 242	–
Max. condensing temperature continuous (short)	°F	140 (158)	–
Max. winding temperature continuous (short)	°F	257 (275)	–

Cooling requirements

Frequency	Hz	50			60		
Application		LBP	MBP	HBP	LBP	MBP	HBP
90°F		F_2	F_2	–	F_2	F_2	–
100°F		F_2	F_2	–	F_2	F_2	–
110°F		–	–	–	–	–	–
Remarks on application:							

S = Static cooling normally sufficient
O = Oil cooling
F_1 = Fan cooling 1.5 m/s
(compressor compartment temperature
equal to ambient temperature)
F_2 = Fan cooling 3.0 m/s necessary
SG = Suction gas cooling normally sufficent
– = not applicable in this area

Motor

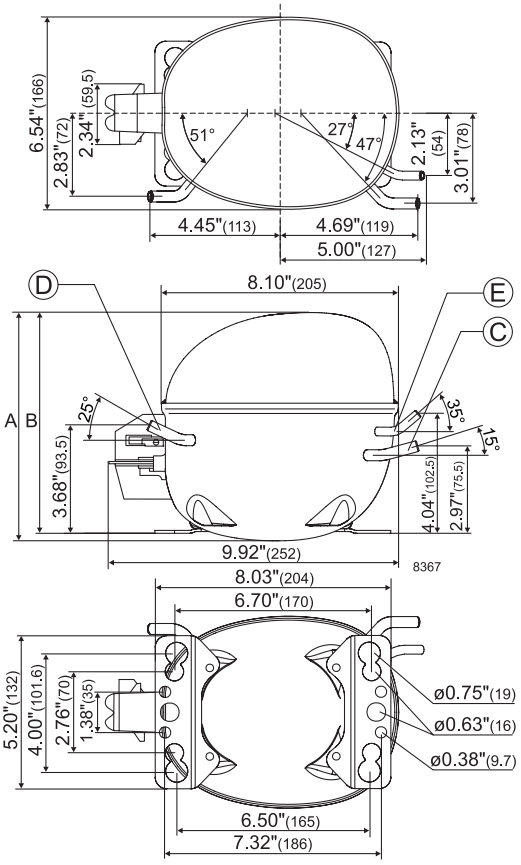
Motor type		CSIR	
LRA (rated after 4 sec. UL984), HST | LST	A	20.0	–
Cut in Current, HST | LST	A	20.0	–
Resistance, main | start winding (77°F)	Ω	4.5	12.8

Design

Displacement	cu.in	0.68
Oil quantity (type)	fl.oz.	10.14 (polyolester)
Maximum refrigerant charge	oz.	14.0
Free gas volume in compressor	fl.oz.	79.7
Weight without electrical equipment	lbs.	23.0

Dimensions

Height	inch	A	8.00
		B	7.76
		B1	–
		B2	–
Suction connector	location, I.D. in. | angle	C	0.320-0.327 | 15°
	material | comment		Copper | Rubber plug
Process connector	location, I.D. in. | angle	D	0.252-0.259 | 25°
	material | comment		Copper | Rubber plug
Discharge connector	location, I.D. in. | angle	E	0.252-0.259 | 35°
	material | comment		Copper | Rubber plug
Oil cooler connector	location, I.D. in. | angle	F	–
	material | comment		–
Remarks:			



ASHRAE LBP 220V, 50Hz, static cooling

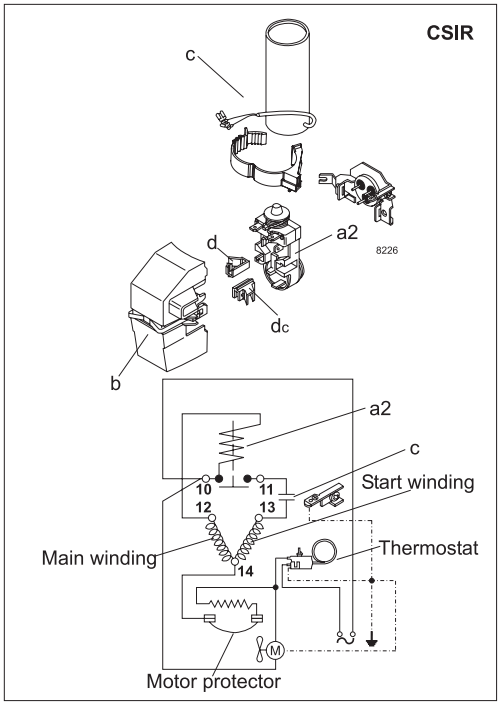
Evap. temp. in °F	-49	-40	-30	-20	-13	-10	0	10	14	20	30	40	41	45	50	59	68
Capacity in BTU/h			496	713	901	993	1336	1768	1950	2280	2907	3637	3730	4051			
Power cons. in W			236	266	291	302	341	383	399	426	470	512	518	533			
Current cons. in A			2.68	2.72	2.76	2.78	2.85	2.94	2.97	3.05	3.17	3.29	3.33	3.36			
EER in BTU/Wh			2.10	2.68	3.10	3.29	3.92	4.62	4.89	5.35	6.18	7.10	7.20	7.60			

ASHRAE MBP 220V, 50Hz, static cooling

Evap. temp. in °F	-49	-40	-30	-20	-13	-10	0	10	14	20	30	40	41	45	50	59	68
Capacity in BTU/h			442	636	803	885	1190	1575	1748	2029	2584	3230	3320	3595			
Power cons. in W			236	266	291	302	341	383	399	426	470	512	518	533			
Current cons. in A			2.68	2.72	2.76	2.78	2.85	2.94	2.97	3.05	3.17	3.29	3.33	3.36			
EER in BTU/Wh			1.87	2.39	2.76	2.93	3.49	4.11	4.38	4.76	5.50	6.31	6.41	6.75			

EN 12900 Household (CECOMAF) 220V, 50Hz, static cooling

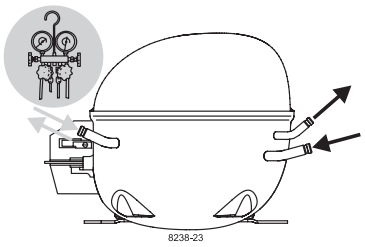
Evap. temp. in °F	-49	-40	-30	-20	-13	-10	0	10	14	20	30	40	41	45	50	59	68
Capacity in W			119	171	216	238	320	423	465	545	694	867	890	965			
Power cons. in W			236	266	291	302	341	383	399	426	470	512	518	533			
Current cons. in A			2.68	2.72	2.76	2.78	2.85	2.94	2.97	3.05	3.17	3.29	3.33	3.36			
COP in W/W			0.50	0.64	0.74	0.79	0.94	1.10	1.17	1.28	1.48	1.69	1.72	1.81			



Accessories for NF11FX		Figure	Code number
Starting relay	1/4 in. spade connect.	a2	117U4139
Protector 3/4 in.	Texas Instruments		MRP56EN-6
Cover		b	117U1023
Start. capacitor 125 µF	1/4 in. spade connect.	c	117U5018
Cord relief		d	117U0349
Cord relief capacitor		dc	117U0349

Test conditions	ASHRAE LBP	ASHRAE MBP	EN 12900/ CECOMAF
Condensing temp.	130°F	130°	131°F
Ambient temp.	90°F	95°	90°F
Suction gas temp	90°F	95°	90°F
Liquid temperature	90°F	115°F	no subcooling

Mounting accessories		Code number
Bolt joint for one comp.	Ø: 5/8 in.	118-1917
Bolt joint in quantities	Ø: 5/8 in.	118-1918
Snap-on in quantities	Ø: 5/8 in.	118-1919



NF Compressors

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