

## Single Pack NF9FX 220V 50Hz CSIR

Single pack code number: **195B4025**

Position	Title	Code	Amount
1	Compressor NF9FX	105G6841	1
2	Starting relay (overload protector MRP59EN-6)	117U4140	1
3	Starting capacitor (125µF 220V, 6.3mm)	117U5018	1
4	Cord relief	117U0349	2
5	Cover	117U1021	1
6	Bolt joint for one compressor   M6   ø16mm	118-1917	1

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## NF9FX Standard Compressor R134a 220V 50Hz

### General

Code number	105G6841
Approvals	EN 60335-2-34, UL984
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 <sub>1</sub>	F <sub>1</sub>	–	–	–	–
100°F		F <sub>1</sub>	F <sub>1</sub>	–	–	–	–
110°F		–	–	–	–	–	–
Remarks on application:							

### Motor

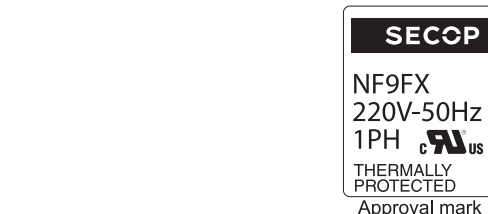
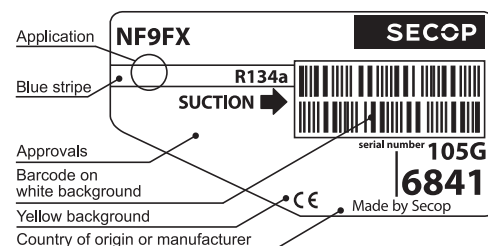
Motor type	CSIR			
LRA (rated after 4 sec. UL984), HST   LST	A	15.8	–	
Cut in Current, HST   LST	A	15.8	–	
Resistance, main   start winding (77°F)	Ω	5.8	12.6	

### Design

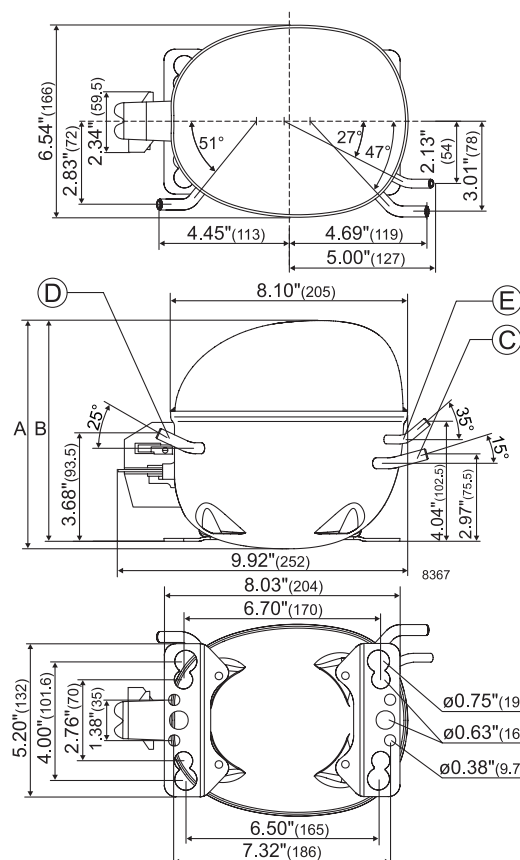
Displacement	cu.in	0.51
Oil quantity (type)	fl.oz.	9.13 (polyolester)
Maximum refrigerant charge	oz.	14.1
Free gas volume in compressor	fl.oz.	79.7
Weight without electrical equipment	lbs.	23.0

### 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:			



- 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
- SG = Suction gas cooling normally sufficient
- = not applicable in this area



**ASHRAE LBP**

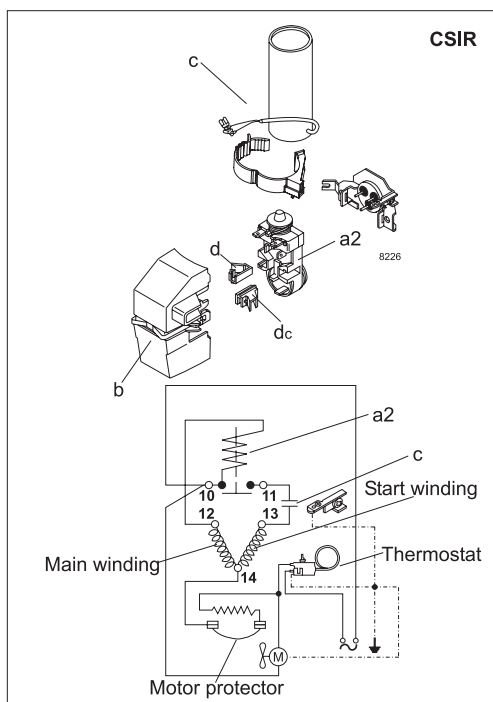
 220V, 50Hz, fan cooling F<sub>1</sub>

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			389	562	712	786	1061	1409	1566	1825	2331	2912	2978	3237			
Power cons. in W			151	180	200	209	238	269	281	299	330	361	365	377			
Current cons. in A			1.72	1.77	1.81	1.83	1.89	1.97	2.00	2.05	2.14	2.24	2.25	2.29			
EER in BTU/Wh			2.57	3.13	3.57	3.76	4.46	5.25	5.59	6.12	7.08	8.05	8.09	8.62			

**EN 12900 Household (CECOMAF)**

 220V, 50Hz, fan cooling F<sub>1</sub>

Evap. temp. in °F	-49	-40	-30	-20	-13	-10	0	10	14	20	30	40	41	45	50	59	68
Capacity in W			94	135	171	189	254	337	375	436	557	694	710	771			
Power cons. in W			151	180	200	209	238	269	281	299	330	361	365	377			
Current cons. in A			1.72	1.77	1.81	1.83	1.89	1.97	2.00	2.05	2.14	2.24	2.25	2.29			
COP in W/W			0.62	0.75	0.86	0.90	1.07	1.25	1.33	1.46	1.68	1.92	1.95	2.04			

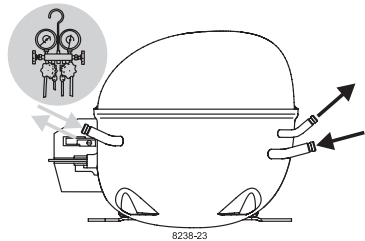


Accessories for	NF9FX	Figure	Code number	Test conditions	ASHRAE LBP	EN 12900/CECOMAF
Starting relay	1/4 in. spade connect.	a2	117U4140	Condensing temp.	130°F	131°F
Protector 3/4 in.	Texas Instruments		MRP56EN-6	Ambient temp.	90°F	90°F
Cover		b	117U1021	Suction gas temp	90°F	90°F
Start. capacitor 125 µF	1/4 in. spade connect.	c	117U5018	Liquid temperature	90°F	no subcooling
Cord relief		d	117U0349			
Cord relief capacitor		dc	117U0349			

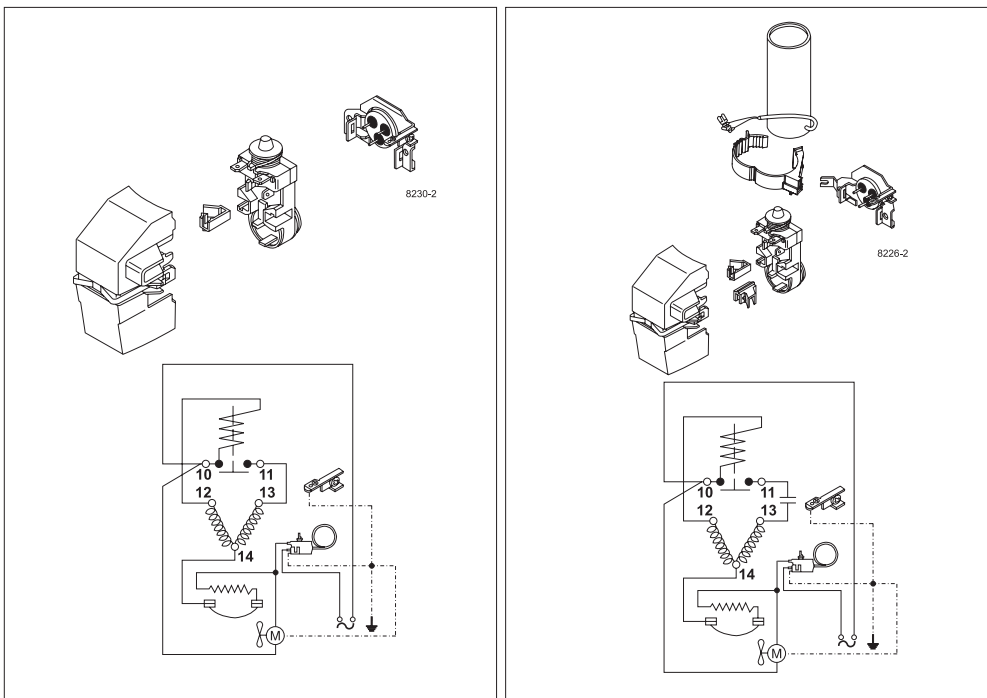
Mounting accessories		Code number
Bolt joint for one comp.	Ø: 5/8 in.	118-1917
Bolt joint in quantities	Ø: 5/8 in.	118-1918
Snap-on in quantities	Ø: 5/8 in.	118-1919

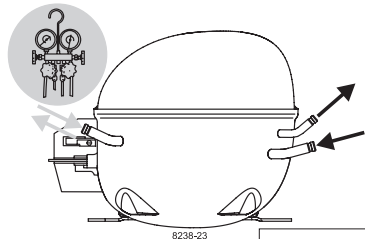
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# NF Compressors

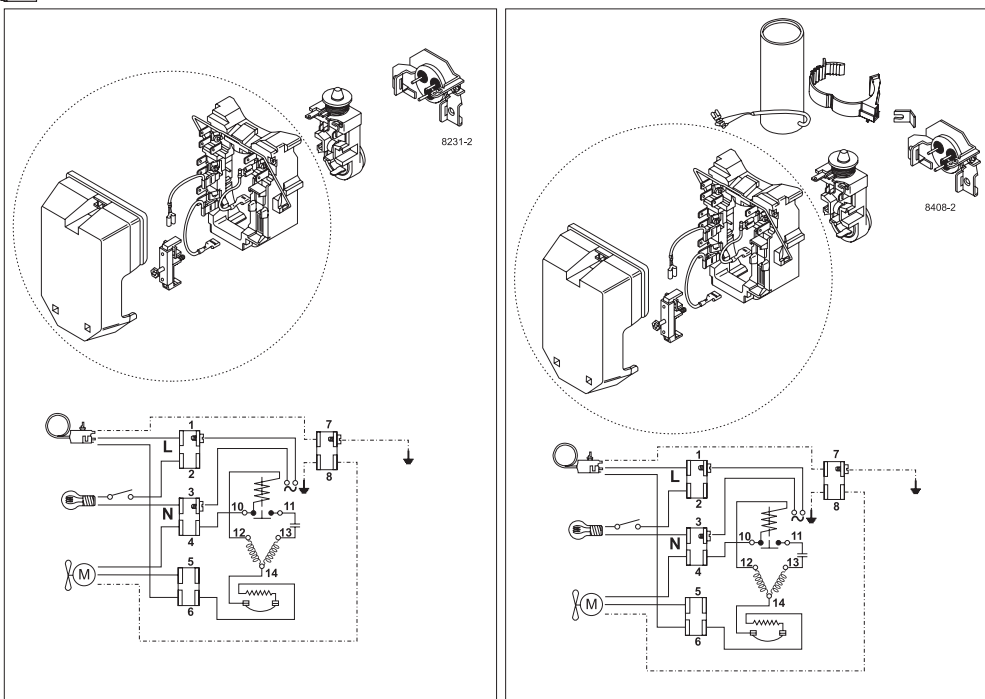
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# NF Compressors

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