

## NF11FX.2 Standard Compressor R134a 115-127V 60Hz

### General

Code number (pre-assembled CSIR start equipment)	105G5914
Approvals	UL984
Compressors on pallet	80

### Application

Application	LBP/MBP			
	Hz	50	60	
Frequency	Hz	50	60	
Evaporating temperature	°F	-	0 to 45	
Voltage range	V	-	95 - 135	
Max. condensing temperature continuous (short)	°F	-	140 (158)	
Max. winding temperature continuous (short)	°F	-	257 (275)	

### Cooling requirements

Frequency	Hz	50			60		
		LBP	MBP	HBP	LBP	MBP	HBP
90°F		-	-	-	-	F <sub>2</sub>	-
100°F		-	-	-	-	F <sub>2</sub>	-
110°F		-	-	-	-	F <sub>2</sub>	-

Remarks on application: Below 10°F only for 115V 60Hz nominal.

### Motor

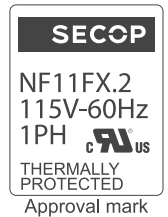
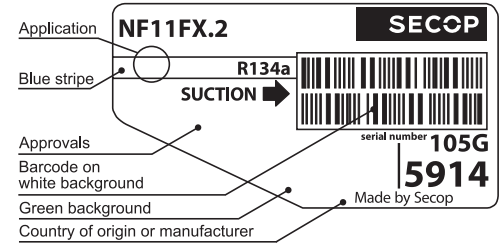
Motor type	CSIR		
LRA (rated after 4 sec. UL984), HST   LST	A	40.0	-
Cut in Current, HST   LST	A	40.0	-
Resistance, main   start winding (77°F)	Ω	1.0	2.9

### Design

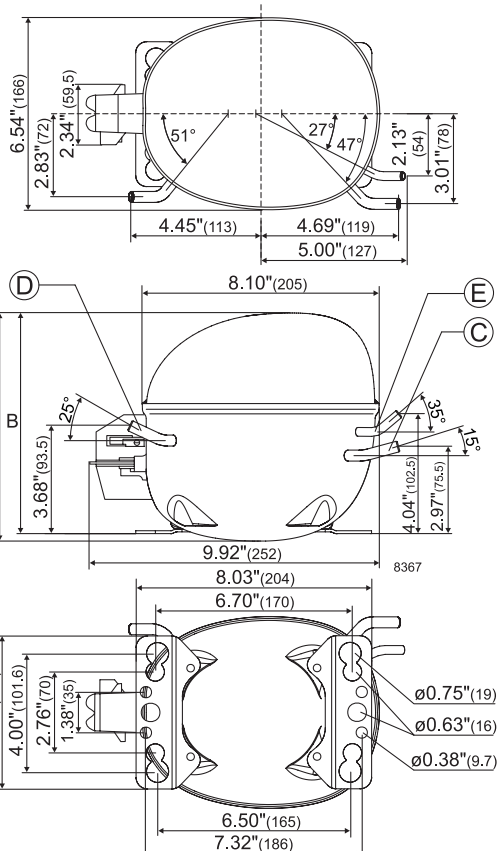
Displacement	cu.in	0.68
Oil quantity (type)	fl.oz.	10.14 (polyolester)
Maximum refrigerant charge	oz.	14.0
Free gas volume in compressor	fl.oz.	79.7
Weight without electrical equipment	lbs.	22.0

### 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**

115V, 60Hz, fan cooling F<sub>2</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							1771	2351	2613	3042	3856	4805	4908	5335			
Power cons. in W							360	412	433	465	521	581	588	614			
Current cons. in A							5.42	5.71	5.83	6.03	6.39	6.79	6.83	7.00			
EER in BTU/Wh							4.92	5.71	6.03	6.54	7.40	8.27	8.35	8.69			

**ASHRAE MBP**

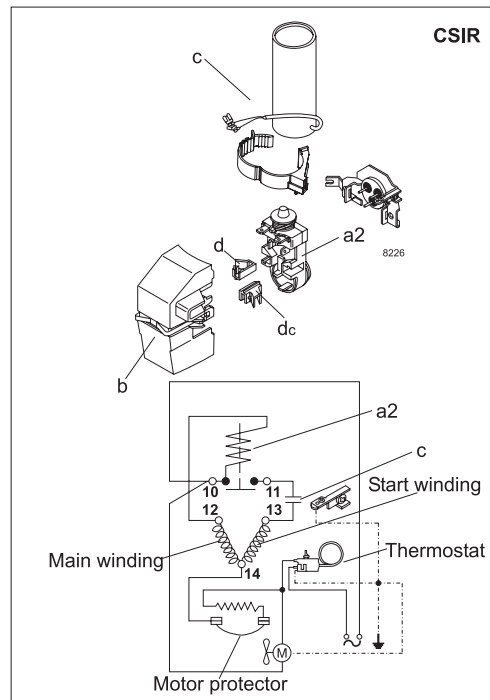
115V, 60Hz, fan cooling F<sub>2</sub>

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							1573	2088	2320	2700	3421	4259	4350	4726			
Power cons. in W							360	412	433	465	521	581	588	614			
Current cons. in A							5.42	5.71	5.83	6.03	6.39	6.79	6.83	7.00			
EER in BTU/Wh							4.37	5.07	5.36	5.80	6.57	7.33	7.40	7.70			

**EN 12900 Household (CECOMAF)**

115V, 60Hz, fan cooling F<sub>2</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							419	556	618	720	912	1136	1160	1260			
Power cons. in W							360	413	434	467	523	584	590	617			
Current cons. in A							5.42	5.72	5.84	6.04	6.41	6.81	6.85	7.02			
COP in W/W							1.16	1.35	1.42	1.54	1.74	1.94	1.96	2.04			



Accessories for NF11FX.2 (pre-assembled CSIR start equipment)	Figure	Code number
Starting relay 1/4 in. spade connect.	a2	117U4151
Protector 3/4 in. Texas Instruments		MRT16ADK-6
Start. capacitor 410 µF 1/4 in. spade connect.	c	117U5028
Cover	b	117U1021
Cord relief	d	117U0349
Cord relief for capacitor	dc	117U0349

Test conditions	ASHRAE LBP	ASHRAE MBP	EN 12900/CECOMAF
Condensing temp.	130°F	130°F	131°F
Ambient temp.	90°F	95°F	90°F
Suction gas temp.	90°F	95°F	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

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