

Single Pack NF11FX.2 115-127V 60Hz CSIR

Single pack code number: **195B4013**

| Position | Title | Code | Amount |
|----------|--|----------|--------|
| 1 | Compressor NF11FX.2 | 105G5914 | 1 |
| 2 | Bolt joint for one compressor M6 ø16mm | 118-1917 | 1 |

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 | |
|--|----|---------|-----------|
| 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 | | |
|--|----|-----|-----|-----|-----|----------------|-----|
| Application | | LBP | MBP | HBP | LBP | MBP | HBP |
| 90°F | | – | – | – | – | F ₂ | – |
| 100°F | | – | – | – | – | F ₂ | – |
| 110°F | | – | – | – | – | F ₂ | – |
| Remarks on application: Below 10°F only for 115V 60Hz nominal. | | | | | | | |

Motor

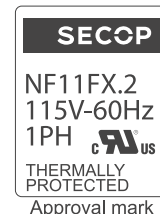
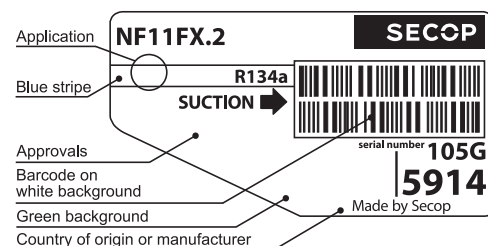
| Motor type | | CSIR | |
|---|---|------|-----|
| LRA (rated after 4 sec. UL984), HST LST | A | 40.0 | – |
| Cut in Current, HST LST | A | 40.0 | – |
| Resistance, main start winding (77°F) | Ω | 1.0 | 2.9 |

Design

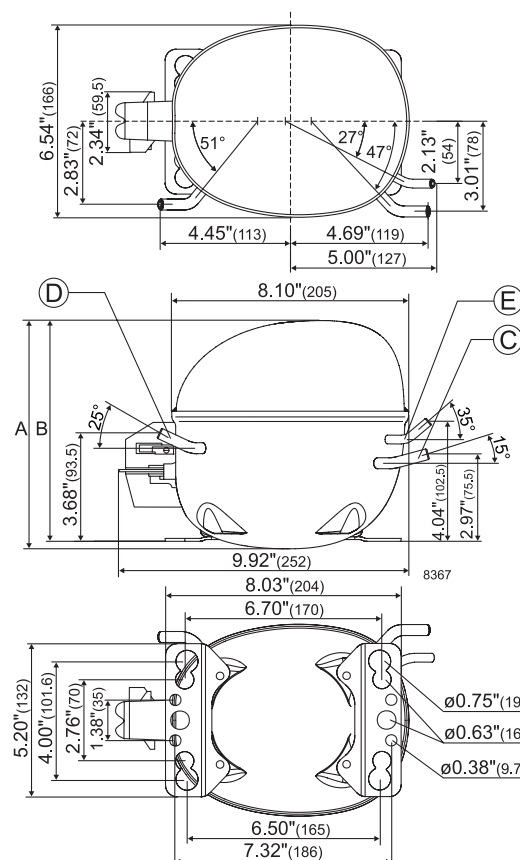
| | | |
|-------------------------------------|--------|---------------------|
| Displacement | cu.in | 0.68 |
| Oil quantity (type) | fl.oz. | 10.14 (polyolester) |
| Maximum refrigerant charge | oz. | 14.0 |
| Free gas volume in compressor | fl.oz. | 79.7 |
| Weight without electrical equipment | lbs. | 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
- F₁ = Fan cooling 1.5 m/s
(compressor compartment temperature equal to ambient temperature)
- F₂ = Fan cooling 3.0 m/s necessary
- SG = Suction gas cooling normally sufficient
- = not applicable in this area



ASHRAE LBP

 115V, 60Hz, fan cooling F₂

| | | | | | | | | | | | | | | | | | |
|--------------------|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|----|----|----|
| 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

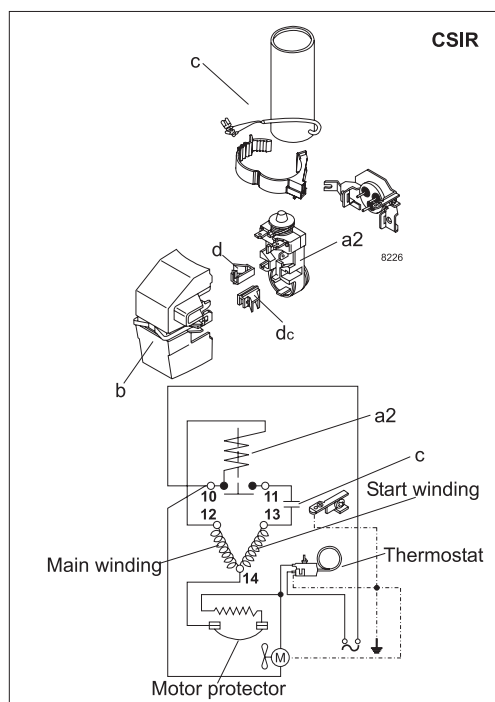
 115V, 60Hz, fan cooling F₂

| | | | | | | | | | | | | | | | | | |
|--------------------|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|----|----|----|
| 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)

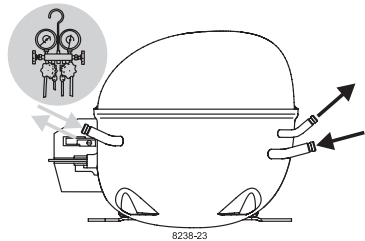
 115V, 60Hz, fan cooling F₂

| | | | | | | | | | | | | | | | | | |
|--------------------|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|----|----|----|
| 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 | | | |



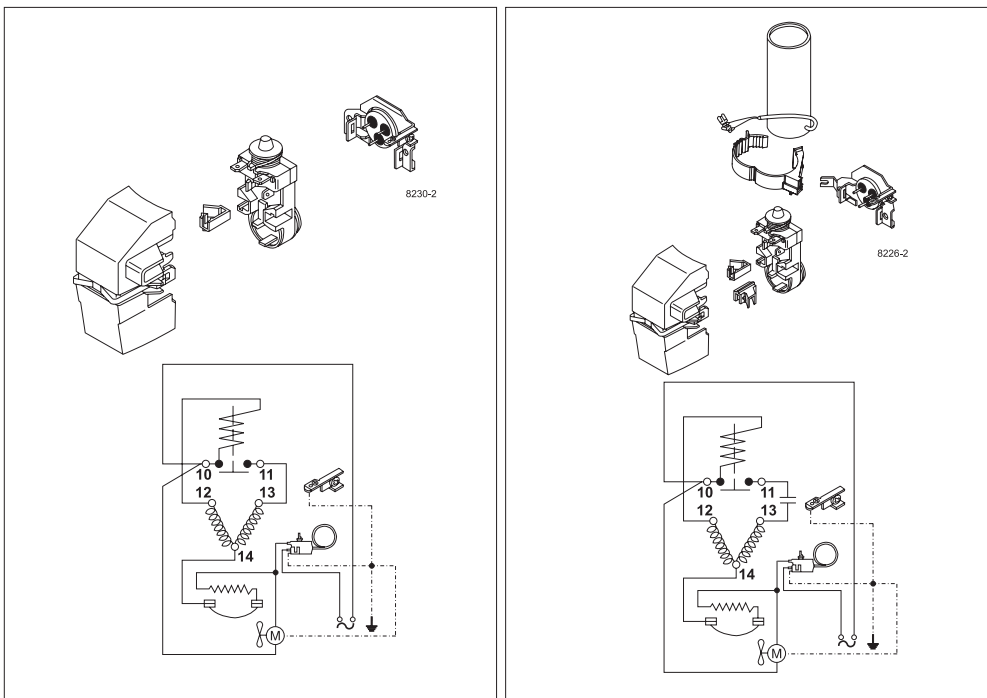
| Accessories for NF11FX.2 (pre-assembled CSIR start equipment) | Figure | Code number | Test conditions | ASHRAE LBP | ASHRAE MBP | EN 12900/ CECOMAF |
|--|--------|-------------|--------------------|--------------------|---------------|----------------------|
| Starting relay 1/4 in. spade connect. | a2 | 117U4151 | Condensing temp. | 130°F | 130°F | 131°F |
| Protector 3/4 in. Texas Instruments | | MRT16ADK-6 | Ambient temp. | 90°F | 95°F | 90°F |
| Start. capacitor 410 µF 1/4 in. spade connect. | c | 117U5028 | Suction gas temp. | 90°F | 95°F | 90°F |
| Cover | b | 117U1021 | Liquid temperature | 90°F | 115°F | no subcooling |
| Cord relief | d | 117U0349 | | | | |
| Cord relief for 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 | | |

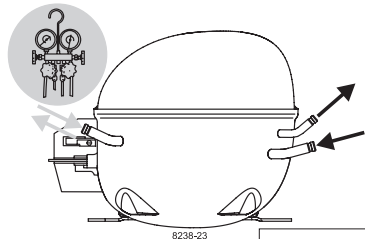
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NF Compressors

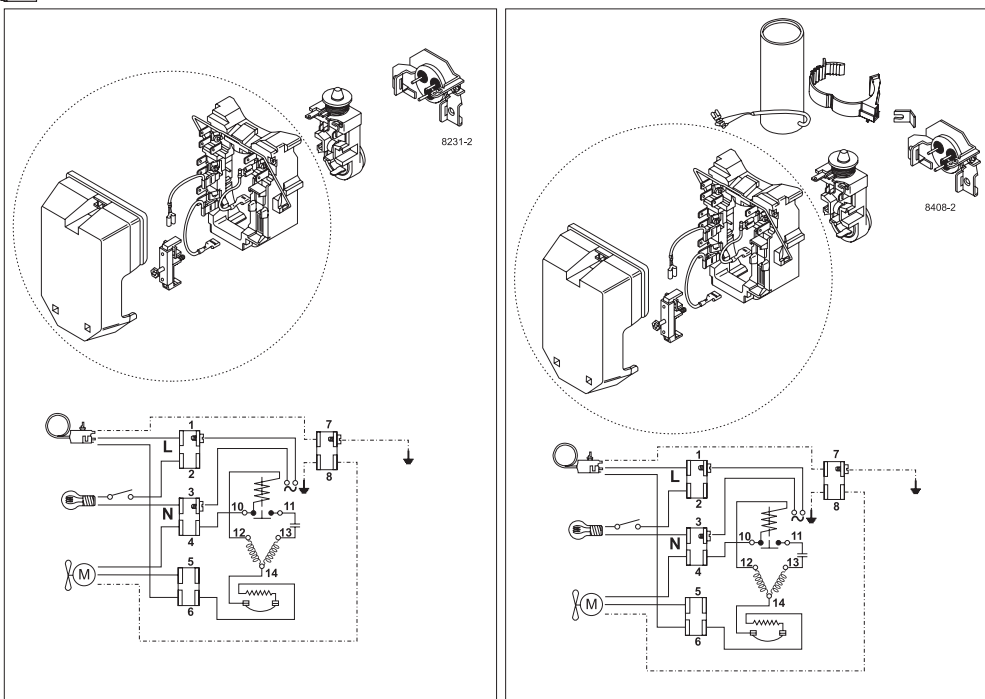
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