

# SUN FROST

## Electrical Specifications

### Models with One Compressor

|      |           |
|------|-----------|
| R19  | RF4       |
| RF12 | R4        |
| R10  | F4        |
| F10  | RFVB-134A |

### Models with Two Compressors

|      |
|------|
| RF19 |
| F19  |
| RF16 |

### Current Draw

|  | DC Compressors                               |             | AC Compressors |
|--|--|-------------|----------------|
|  | 12 volt DC                                   | 24 volt DC  | 110 volt AC    |
|  | <b>Running current for single compressor</b> | 4 to 5 amps | 2 to 2.5 amps  |
| <b>Starting current for single compressor</b>                                | 15 amps                                      | 7.5 amps    | 5 amps         |
| <b>Maximum current draw, one compressor starting and one already running</b> | 20 amps                                      | 10 amps     | 6 amps         |

Note: The wire gauge should be sufficiently heavy to carry 20 amps with no more than a 1/2 volt drop.

### Lead Dimensions

| Wire Size | Two Compressor Models |               | Single Compressor Model |               |
|-----------|-----------------------|---------------|-------------------------|---------------|
|           | Max Length in Feet    |               | Max Length in Feet      |               |
|           | 12 volt Model         | 24 volt Model | 12 volt Model           | 24 volt Model |
| # 16      | 3                     | 6             | 4                       | 8             |
| # 14      | 5                     | 10            | 6                       | 13            |
| # 12      | 8                     | 16            | 11                      | 21            |
| # 10      | 13                    | 26            | 17                      | 34            |
| # 8       | 20                    | 40            | 27                      | 54            |
| # 6       | 32                    | 64            | 43                      | 86            |
| # 4       | 51                    | 102           | 68                      | 136           |
| # 2       | 81                    | 162           | 108                     | 216           |