

# Panasonic Industrial Company

Air Conditioning Department

# 2R8S3R126A-6A

115 V, 60 Hz R-22

## 2R8S3R126A-6A

|                         |                           |               |
|-------------------------|---------------------------|---------------|
| Application             | Cooling (C) / Heating (H) |               |
| Ref. Charge Limit (C/H) | 19.4 oz.                  | 550 g         |
|                         | (C) 16.4 oz.              | 465 g         |
| Evap. Temp. Range (C/H) | 5°F to 53.6°F             | -15°C to 12°C |
|                         | (C) 14°F to 53.6°F        | -10°C to 12°C |
| Specification Number    | SC-52170416-C             |               |

## Rated Performance<sup>1</sup>

|             |                 |
|-------------|-----------------|
| Capacity    | 5,595 Btu/hr    |
| Motor Input | 520 Watts       |
| Current     | 4.8 Amperes     |
| E.E.R.      | 10.76 Btu/hr/ W |

## Compressor Data

|                         |                         |        |
|-------------------------|-------------------------|--------|
| Pump Type               | Rotary                  |        |
| Displacement            | 8.0 cc/rev              |        |
| Oil                     | ATMOS M60 or equivalent |        |
| Oil Charge (Precharged) | 8.8 fl. oz.             | 260 cc |
| Net Weight              | 18.7 lb                 | 8.5 kg |

## Motor Data

|                                      |                           |  |
|--------------------------------------|---------------------------|--|
| Motor Type                           | Permanent Split Capacitor |  |
| Locked Rotor Amperes                 | 34 A at 120 V             |  |
| Winding Resistance                   | Main: 1.221Ω, Aux: 2.722Ω |  |
| Max. Continuous Current <sup>2</sup> |                           |  |

## Maximum Operating Conditions

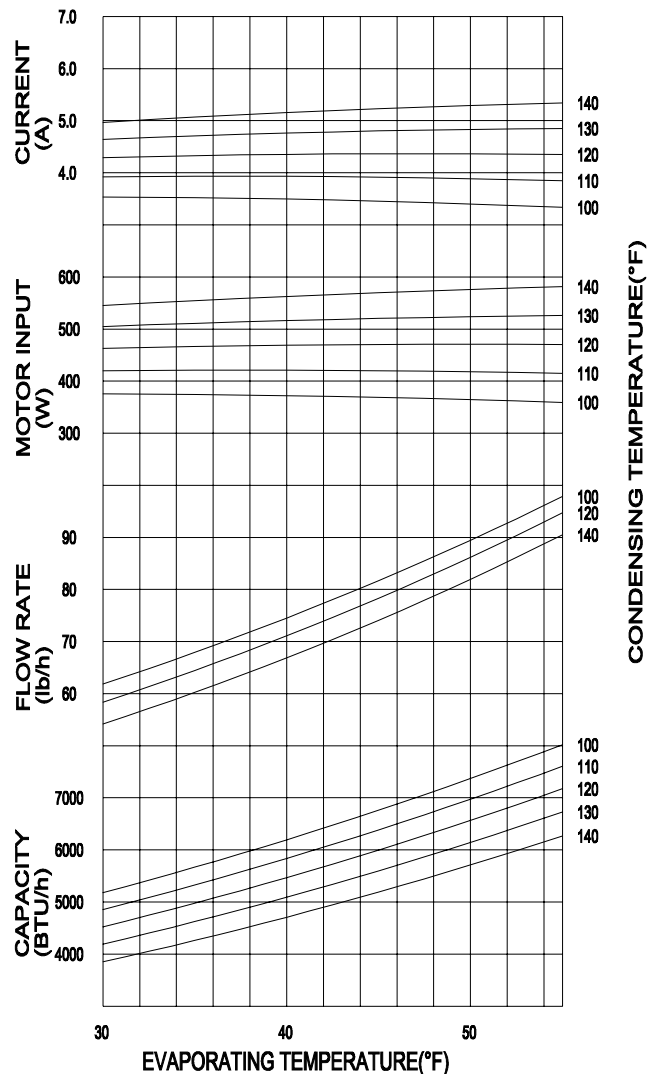
|                     |       |       |
|---------------------|-------|-------|
| Condensing Temp.    | 149°F | 65°C  |
| Return Gas Temp.    | 95°F  | 35°C  |
| Discharge Gas Temp. | 239°F | 115°C |
| Motor Wire Temp.    | 266°F | 130°C |

## Electrical Components

|                         |                        |  |
|-------------------------|------------------------|--|
| Overload Protector      | 7100062 or 7100063     |  |
| Texas Instrument part # | MRA 98564 or MRA 98745 |  |
| Run Capacitor           | 35 μF/230 VAC          |  |

## <sup>1</sup>Rated @ ASHRAE/T Conditions

|                   |       |        |
|-------------------|-------|--------|
| Evaporating Temp. | 45°F  | 7.2°C  |
| Condensing Temp.  | 130°F | 54.4°C |
| Return Gas Temp.  | 95°F  | 35.0°C |
| Liquid Temp.      | 115°F | 46.1°C |
| Ambient Temp.     | 95°F  | 35.0°C |



## Performance Data

Based on:

|                    |      |        |
|--------------------|------|--------|
| Return gas Temp.   | 95°F | 35.0°C |
| Liquid sub-cooling | 15°F | 8.3°C  |
| Ambient            | 95°F | 35.0°C |

### COND. TEMP.

|        |        |        |        |       |
|--------|--------|--------|--------|-------|
| 100°F  | 110°F  | 120°F  | 130°F  | 140°F |
| 37.8°C | 43.3°C | 48.9°C | 54.4°C | 60°C  |

### EVAP. TEMP.

|                |         |      |      |      |      |      |
|----------------|---------|------|------|------|------|------|
| 35° F<br>1.7°C | Btu/hr  | 5675 | 5325 | 4970 | 4605 | 4235 |
|                | Watts   | 375  | 420  | 465  | 510  | 550  |
|                | Amperes | 3.5  | 3.9  | 4.3  | 4.7  | 5.1  |

|                |         |      |      |      |      |      |
|----------------|---------|------|------|------|------|------|
| 45° F<br>7.2°C | Btu/hr  | 6785 | 6400 | 6000 | 5595 | 5175 |
|                | Watts   | 365  | 420  | 470  | 520  | 565  |
|                | Amperes | 3.5  | 3.9  | 4.4  | 4.8  | 5.2  |

|                 |         |      |      |      |      |      |
|-----------------|---------|------|------|------|------|------|
| 55° F<br>12.8°C | Btu/hr  | 8055 | 7630 | 7190 | 6740 | 6270 |
|                 | Watts   | 355  | 410  | 470  | 525  | 580  |
|                 | Amperes | 3.3  | 3.8  | 4.4  | 4.8  | 5.3  |

BTU 6,000

