

embraco

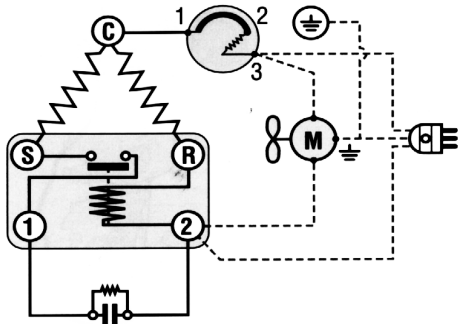
NEK6213GK

MBP-HBP

115 V

404A

Wiring Diagram



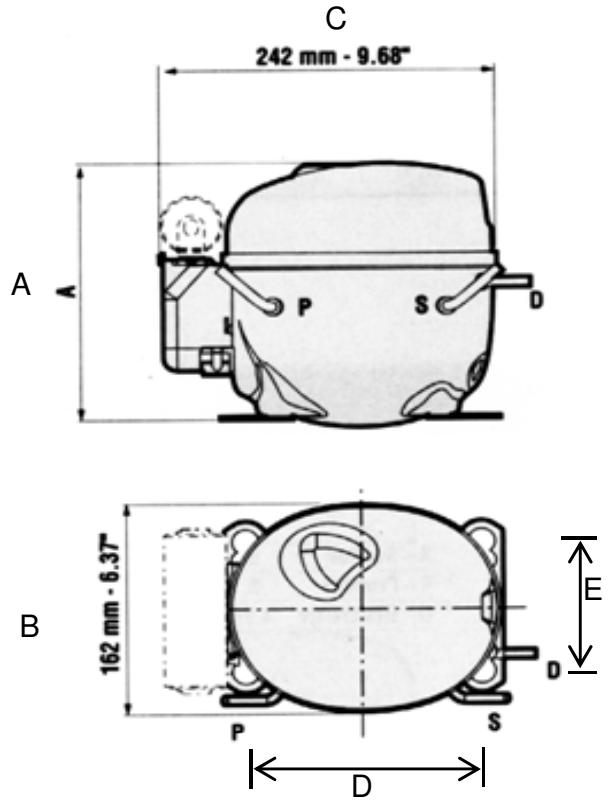
Compressor Terminals

- C = Common
- R = Run
- S = Start

Electrical components are supplied unassembled. Use of components other than specified will void warranty.

Dimensions (inches)

A: 8.11" B: 6.37" C: 9.68" D: 6.5" E: 4"



Tube Diameter

| ID | Inch | MM |
|-----------|------|------|
| process | .254 | 6.45 |
| suction | .316 | 8.03 |
| discharge | .254 | 6.45 |

Technical Specifications

Rev 03/13

| Mechanical Data | English | Metric | Electrical Data | |
|-----------------|-------------|-----------|-----------------------------------|-------------|
| Bore | 1.09 in | 27.77 mm | motor: 2 pole - 1 phase | CSIR |
| Stroke | .79 in | 20 mm | voltage | 115v / 60Hz |
| Displacement | .739 cu. In | 12.11 cc | voltage range | 103-127v |
| Speed | 3,500 rpm | 3,500 rpm | run winding resistance at 25° C | .67 Ω |
| Weight | 25.57 lb | 11.6 kg | start winding resistance at 25° C | 5.2 Ω |
| Oil Charge | 11.84 oz. | 350 ml | locked rotor current | N/A |

Compressor Cooling:


Fan cooled by forced draft over shell with 6 watt minimum fan.

Restrictor:

Expansion valve or capillary tube

Capacitor:

| | | |
|-----------|-------------|------|
| Start Cap | 189-227 mfd | 165V |
| Run Cap | | N/A |

| | | | | |
|--|------------------|----------------|---|-------------|
|  | NEK6213GK | MBP-HBP | 115 V | 404A |
| Specifications Approximate H. P. 1/2+ Starting Torque High Refrigerant 404A Evaporator Temperature Med-High Evaporator Temperature -4° to 50°F | | | Usage Drinking Water Coolers Dehumidifiers Ice Machines Reach In Refrigerators Beer Coolers | |

| HBP Performance | | | | | |
|-------------------------|-------|-------|-------|--------------|-------|
| Temperature °F | 14 | 23 | 32 | 45 | 50 |
| Capacity BTU/Hr | 3,624 | 4,391 | 5,252 | 6,660 | 7,259 |
| Power W | 834 | 918 | 1,008 | 1,151 | 1,208 |
| Current Amps | 10.44 | 11.03 | 11.69 | 12.82 | 13.29 |
| Temperature °C | -10 | -5 | 0 | 7.2 | 10 |
| Capacity Kcal/Hr | 913 | 1,106 | 1,324 | 1,678 | 1,829 |

| | | | | |
|-------------------|-------|--|-------------------|-------|
| LBP Rating | | Rating Point (Bolded above) | HBP Rating | |
| Condensing | 130°F | | Condensing | 130°F |
| Evaporator | -10°F | | Evaporator | 45°F |
| Return Gas | 90°F | | Return Gas | 95°F |
| Ambient | 90°F | | Ambient | 95°F |
| Liquid Temp. | 90°F | | Liquid Temp. | 115°F |

| Material | Part number | Description | Compressor Cross Ref. | |
|-----------------|--------------------|--------------------|------------------------------|-------|
| Compressor | 959BG71 | NEK6213GK | Model | Appl. |
| Relay | 2271016 | 9660A-467-189 | | |
| Overload | 2324083 | TO826/J5 | | |
| Start Cap | 2252320 | 189-227 mfd / 165v | | |
| Grommet | 2221003 | | | |
| Sleeve | 2222015 | | | |

EMBRACO NORTH AMERICA, INC.
 2800 Vista Ridge Dr. Suite 100, Suwanee Ga, 30024 Phone: 678-804-1337