

# PRODUCT INFORMATION PACKET



Model No: 2090  
Catalog No: 2090  
1/4 HP OEM Replacement Motor, 1100 RPM, 230 Volts, 42 Frame, OAO  
OEM Replacement Motors



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**Nameplate Specifications**

|                     |               |                    |                     |
|---------------------|---------------|--------------------|---------------------|
| Output HP           | 1/4 Hp        | Frequency          | 60 Hz               |
| Voltage             | 230 V         | Current            | 1.55 A              |
| Speed               | 1100 rpm      | Service Factor     | 1                   |
| Phase               | 1             | Duty               | Continuous Air Over |
| Insulation Class    | B             | Frame              | 42                  |
| Enclosure           | Open Air Over | Thermal Protection | Thermally Protected |
| Ambient Temperature | 40 °C         | UL                 | Recognized          |
| CSA                 | Y             | CE                 | N                   |
| Number of Speeds    | 1             |                    |                     |

**Technical Specifications**

|                       |                           |                   |                 |
|-----------------------|---------------------------|-------------------|-----------------|
| Electrical Type       | Permanent Split Capacitor | Poles             | 6               |
| Rotation              | Counterclockwise          | Mounting          | Resilient Rings |
| Motor Orientation     | Horizontal                | Drive End Bearing | Sleeve          |
| Opp Drive End Bearing | Sleeve                    | Frame Material    | Rolled Steel    |
| Shaft Type            | Flat                      | Overall Length    | 8.84 in         |
| Frame Length          | 4.16 in                   | Shaft Diameter    | 0.500 in        |
| Shaft Extension       | 3.50 in                   |                   |                 |
| Connection Drawing    | NP24X327573               | Outline Drawing   | 5KCP29GK4566S   |

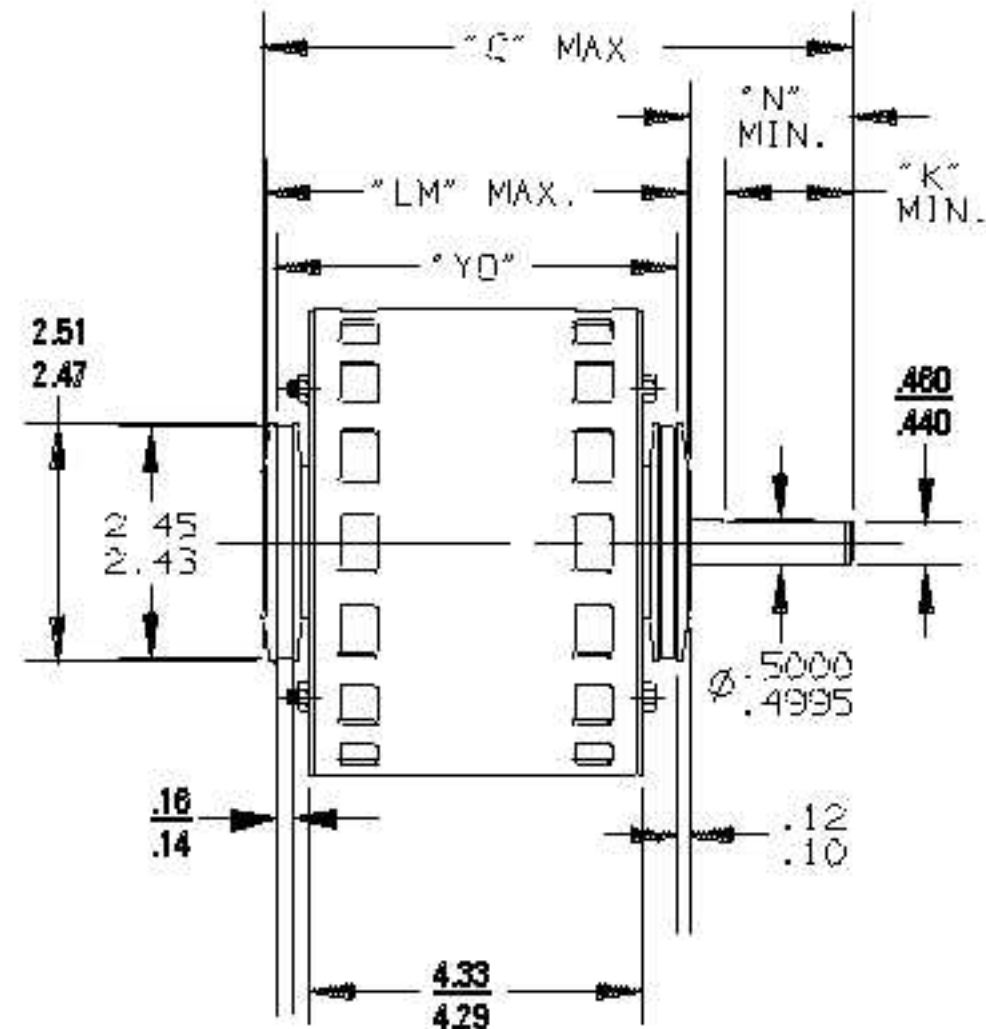
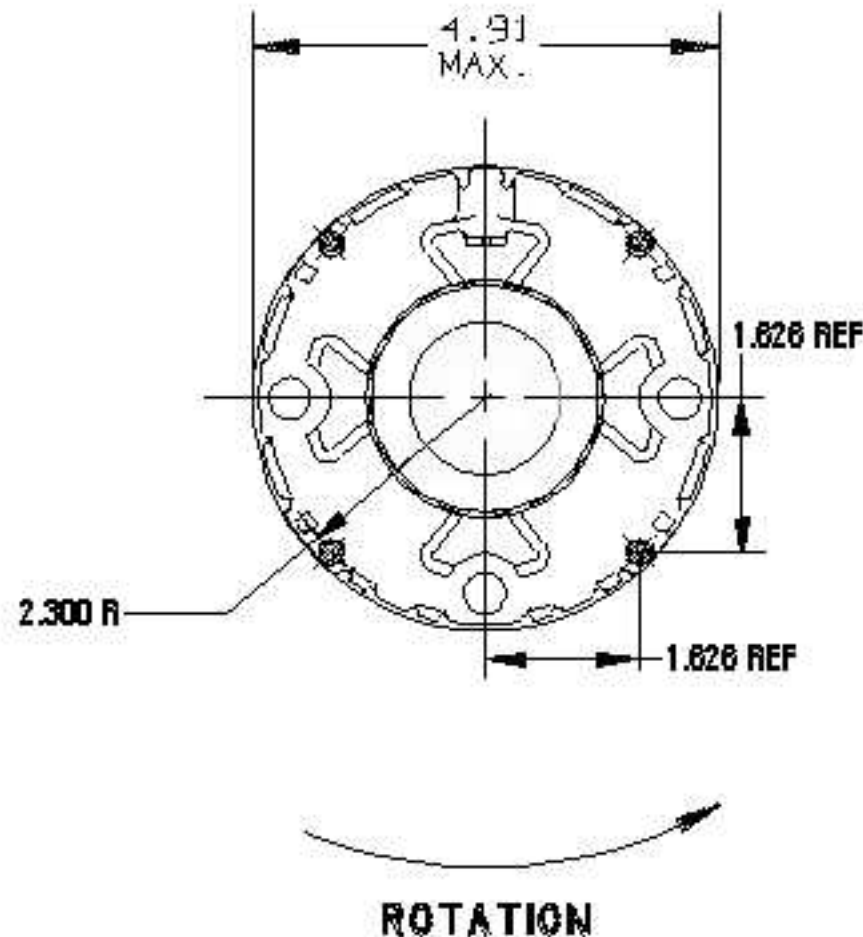
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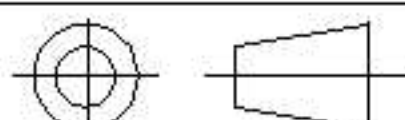

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## REVISIONS

| REV | DESCRIPTION                  | DATE    | APPROVED |
|-----|------------------------------|---------|----------|
| 3.  | REVISED PROPRIETARY AND LOGO | 7/28/05 | G.SHONK  |



| ENCLOSURES  |                          | LEAD DESCRIPTION   | SPECIAL FEATURES  | 8.93   | 5.12<br>5.00 | 3.50 | 3.00 | 5.34                              |  |           |  |
|---|--------------------------|--|---|--|--------------|------|------|-----------------------------------|--|-----------|--|
| END SHIELDS:  | Q.E.: OPEN<br>P.E.: OPEN | 4 S'END #18 .080W C'THERM<br>37.0/35.0 LG OUT OE SHELL<br>90° RHS OR & BK LDS W/ 25<br>SDC 2 BR LDS W/ 25 RD<br>(WHITE MARKER ON ONE BR<br>LEAD) | OILER: TOP PLUGGED<br>GRD LEAD: OE END SHIELD<br>125° RHS | "C"  | "YD"         | "N"  | "K"  | "LM"                              |  |           |  |
| SHELL:  | Q.E.: OPEN<br>P.E.: OPEN |  |   |  |              |      |      |                                   |  |           |  |
| THIRD ANGLE PROJECTION  |                          |  |   |  |              |      |      |                                   |  |           |  |
|  |                          |  |   |  |              |      |      |                                   |  |           |  |
|   |                          |  |   |  |              |      |      |                                   |  |           |  |
|   |                          |  |   |  REGAL-BELOIT CORPORATION<br><b>MOTOR OUTLINE</b><br>F.M.F. STOCK FT. WAYNE, IN |              |      |      |                                   |  |           |  |
|   |                          |  |   | MODEL<br>- 5KCP20GK4566 S  |              |      |      | ISSUED - FRANKE<br>DATE - 2/28/83 |  | SIZE<br>A |  |

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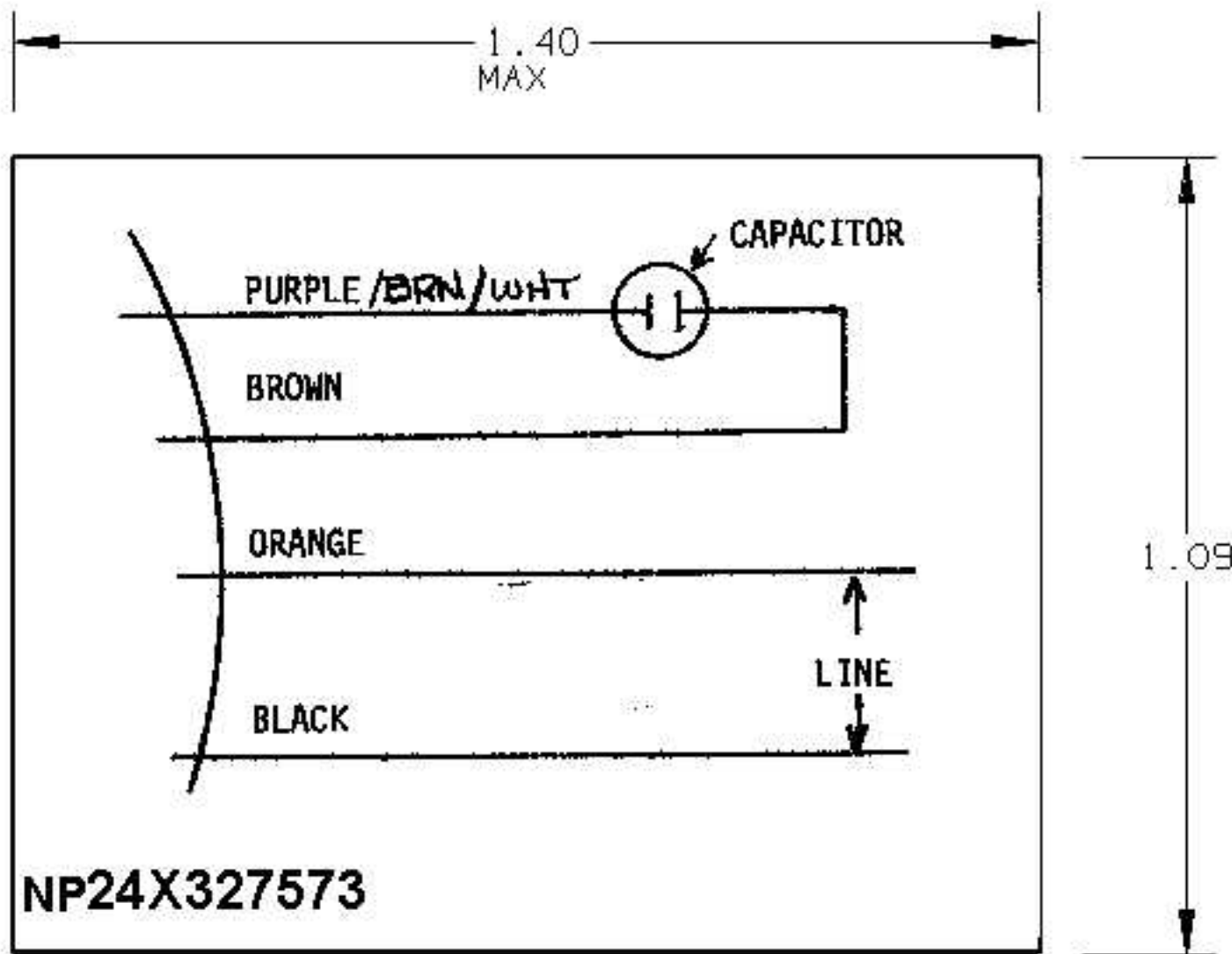
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## REVISIONS

REV

DESCRIPTION

1 Convert to RBC Format JAR 10 2005



TYPE FACE: COLORS OR NUMBERS DENOTING LEAD IDENTIFICATION AND N.P. NUMBER ARE TO BE 18 POINT NEWS GOTHIC CONDENSED. OTHER INFORMATION SHOULD BE 18 POINT IF SPACE ALLOWS, OTHERWISE USE 14 POINT.

MATERIALS: 4 MIL WHITE VINYL ADHESIVE STOCK GE SPEC A50FG41-S1  
BLACK INK GE SPEC A50FM48

NOTE: THE BOX LINES AND DIMENSIONS REPRESENT THE SIZE OF THE TAPE TO BE USED. DO NOT INCLUDE THESE IN STAMP FORMAT.



REGAL-BELOIT CORPORATION

## CONNECTION DIAGRAM

FILE:

DPC #

NP 24X327573

ISSUED

CAS 11/88

SCALE

NO