

PRODUCT INFORMATION PACKET

Model No: 5KC32GN13

Catalog No: C247

1/4 HP Fan and Blower HVAC/R Motor, 1 phase, 1800 RPM, 115/230 V, 48 Frame, TEFC
Self Cooled Motors



Nameplate Specifications

| | | | |
|----------------------------|-----------------------------|------------------------|------------|
| Output HP | 0.25 Hp | Output KW | 0.19 kW |
| Frequency | 60 Hz | Voltage | 115/230 V |
| Current | 5.4,2.7 A | Speed | 1725 rpm |
| Service Factor | 1 | Phase | 1 |
| Efficiency | 51 % | Power Factor | 0 |
| Duty | Continuous | Insulation Class | B |
| KVA Code | M | Frame | 48 |
| Enclosure | Totally Enclosed Fan Cooled | Thermal Protection | N/R |
| Ambient Temperature | 40 °C | Drive End Bearing Size | 6203 |
| Opp Drive End Bearing Size | 6203 | UL | Recognized |
| CSA | Yes | CE | N |

Technical Specifications

| | | | |
|-------------------|-------------------------------|-----------------------|----------------------------|
| Electrical Type | Capacitor Start Induction Run | Starting Method | SM |
| Poles | 4 | Rotation | Counterclockwise/Clockwise |
| Mounting | Resilient Base | Motor Orientation | ANY |
| Drive End Bearing | BALL | Opp Drive End Bearing | Ball |
| Frame Material | Rolled Steel | Overall Length | 9.92 in |
| Frame Length | 5.16 in | Shaft Diameter | 0.500 in |
| Shaft Extension | 1.5 in | Thru-bolts Extension | 0 in |
| Outline Drawing | 52A102058P1 | Connection Drawing | 52A105381BA |

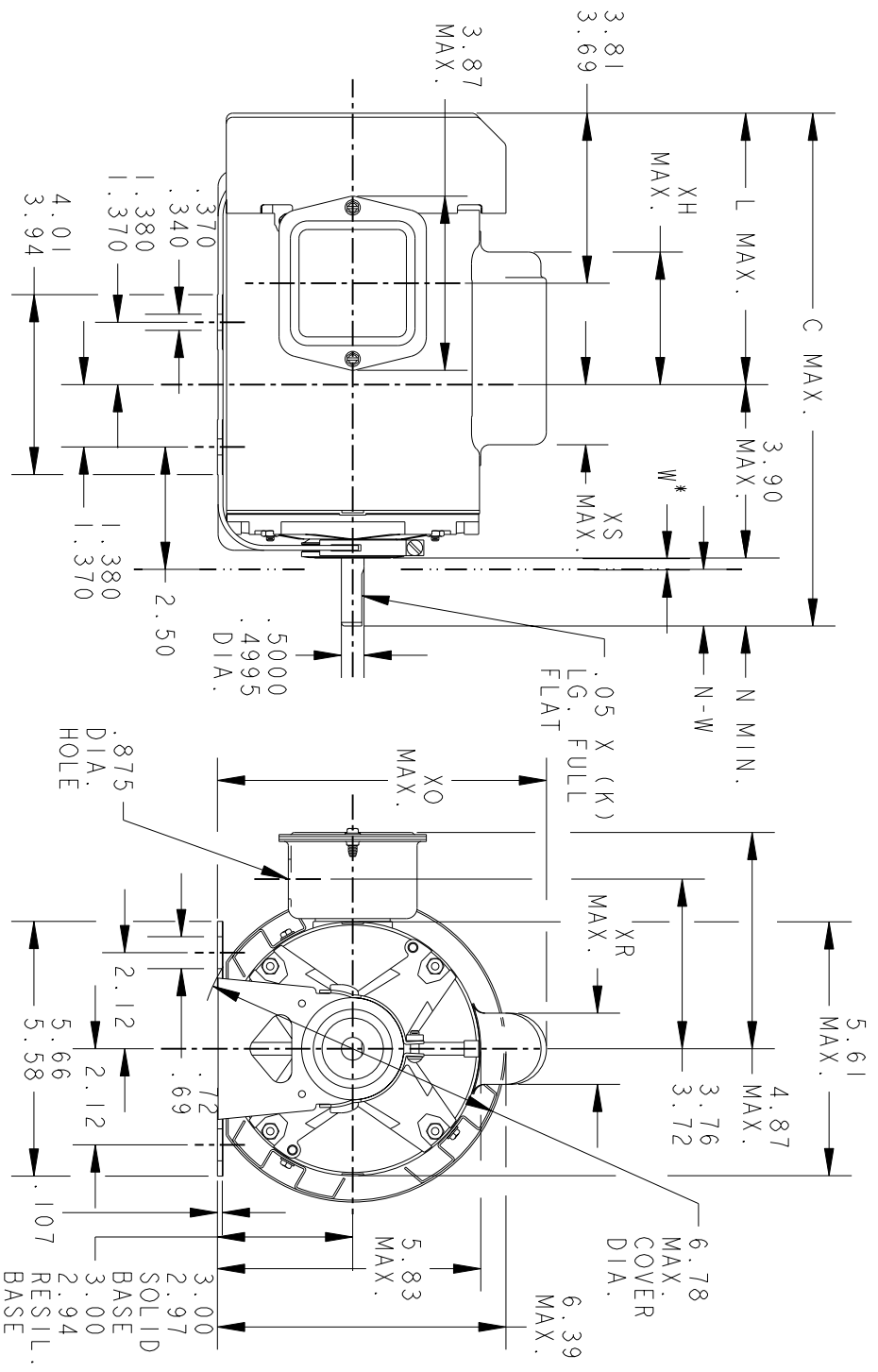
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THIRD ANGLE PROJECTION



REVISIONS

| REV. | DESCRIPTION | DATE | APPROVED |
|------|---------------------------------|----------|----------|
| 5 | REDRAWN BY 2M SOFTWARE CO. | 02/12/96 | AAU |
| 6 | CHG TO RBC FORMAT PER ISO5-1777 | 12/22/05 | DURGA |



* IS A CLEARANCE DUE TO VARIATION IN PARTS AND ASSEMBLY

| 7 | 6 | 5 | 4 | 3 | 2 | 1 | P | TYPE | GE SIZE | NEMA FR | C | K | L | N | N-W | XH | XO | XR | XS | SHELL LGTH |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---|------|---------|---------|---|---|---|---|-----|----|----|----|----|------------|
| KHC | KC | KC | KC | KC | KC | KC | | | | | | | | | | | | | | |
| 35 | 38 | 37 | 36 | 35 | 33 | 32 | | | | | | | | | | | | | | |
| 48 | 48 | 48 | 48 | 48 | 48 | 48 | | | | | | | | | | | | | | |
| 10.55 | 11.98 | 11.38 | 10.98 | 10.55 | 10.17 | 9.92 | | | | | | | | | | | | | | |
| 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | | | | | | | | | | | | | | |
| 5.17 | 6.60 | 6.00 | 5.60 | 5.17 | 4.79 | 4.54 | | | | | | | | | | | | | | |
| 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | | | | | | | | | | | | | | |
| 1.63/1.41 | 1.63/1.41 | 1.63/1.41 | 1.63/1.41 | 1.63/1.41 | 1.63/1.41 | 1.63/1.41 | | | | | | | | | | | | | | |
| 2.91 | 4.02 | 3.42 | 3.02 | 2.59 | 2.21 | 2.16 | | | | | | | | | | | | | | |
| 7.76 | 7.31 | 7.31 | 7.31 | 7.31 | 7.31 | 7.31 | | | | | | | | | | | | | | |
| 2.08 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | | | | | | | | | | | | | | |
| 2.74 | 1.75 | 2.35 | 2.35 | 1.97 | 2.35 | 2.43 | | | | | | | | | | | | | | |

FOR ADDITIONAL INFO REFER TO:

APPLIED PRACTICES

DIMENSIONS ARE IN INCHES

MATERIAL

SIGNATURES

MODEL

DETAIL

CHECKED

ENGRG

MFG

QUALITY

ISSUED

SOLID MODEL: 52A102058

DATE

FPK

AAU

02/12/96

02/12/96

AAU

REGAL BELLOTT CORPORATION

OUTLINE

GENERAL PURPOSE MOTOR - FORM N - TOTALLY ENCL. OUTBOARD FAN-SOLID OR RESI BASE-BALL OR SLV BRG

SCALE: 1.000 REF. No.:

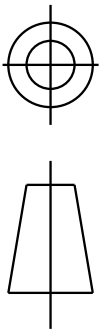
SIZE DRAWING A

52A102058

REV 6

SHEET 1 of 1

THIRD ANGLE PROJECTION

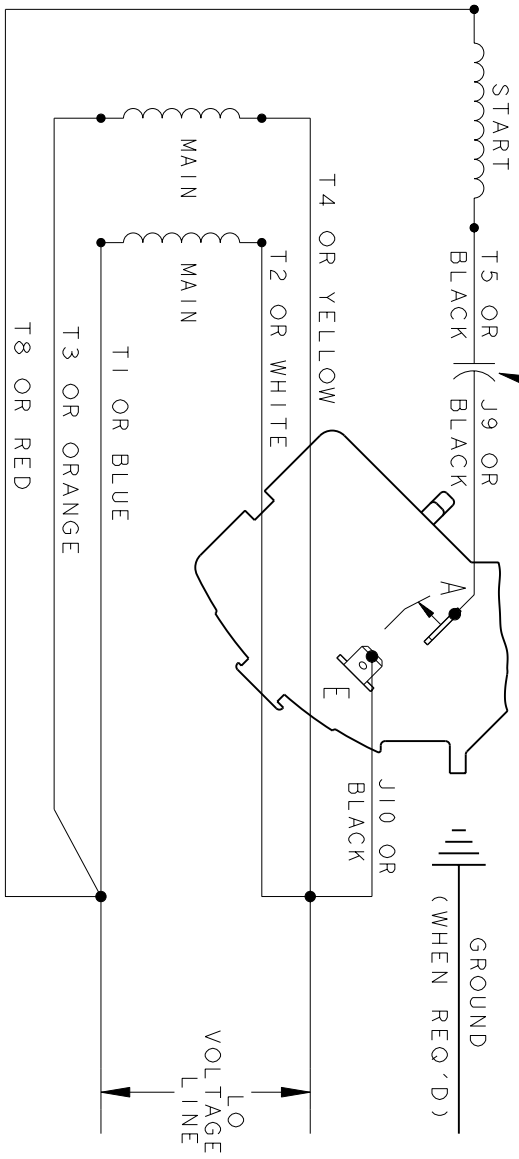


REVISIONS

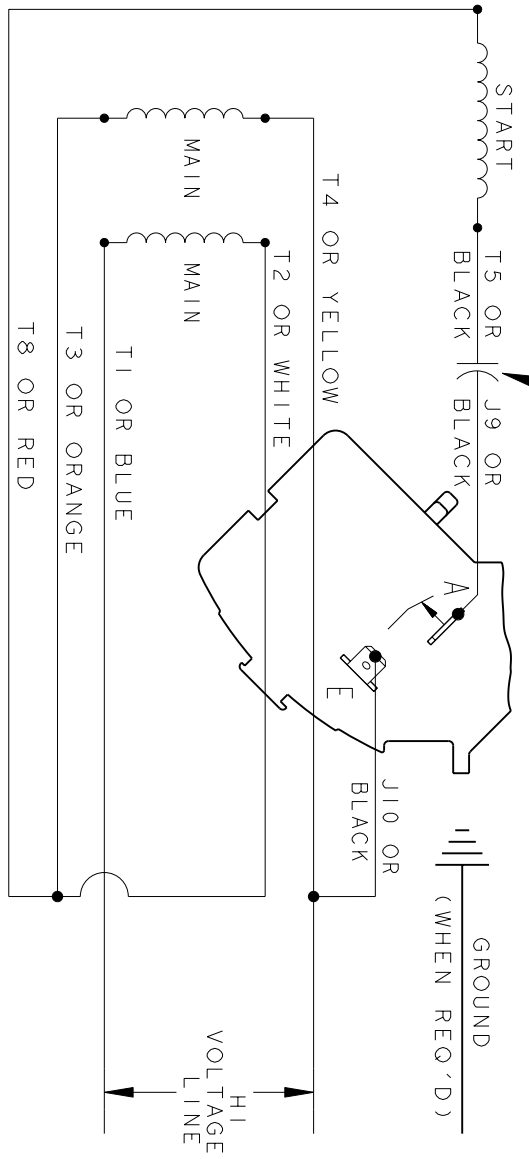
| REV. | DESCRIPTION | DATE | APPROVED |
|------|----------------|----------|----------|
| 3 | UPDATED FORMAT | 01/04/06 | MAM |

CCW/CW ROTATION - DUAL VOLTAGE
TYPE KC OR KH

CAPACITOR AS SHOWN FOR KC MOTORS ONLY. LEAD T5 BLACK CONNECTED DIRECTLY TO TERMINAL BOARD FOR KH MOTORS.



CAPACITOR AS SHOWN FOR KC MOTORS ONLY. LEAD T5 BLACK CONNECTED DIRECTLY TO TERMINAL BOARD FOR KH MOTORS.



NOTE#1 - TO REVERSE ROTATION, INTERCHANGE T8 RED AND J10 BLACK LEADS.
NOTE#2 - WHEN MORE THAN ONE CAPACITOR IS USED, CONNECT IN PARALLEL.

SWITCH (H) - 115D958AA

REF. DIAG. - 113A326

CONNECTION LABEL - 52X332917

| SIGNATURES | | DATE |
|--------------|-------------|----------|
| MODEL | M.D. PAPE | 06/29/87 |
| DETAIL | | |
| CHECKED | | |
| ENGRG | | |
| MFG | | |
| QUALITY | | |
| ISSUED | M.D.P. | 06/29/87 |
| SOLID MODEL: | 52A105381BA | |

FOR ADDITIONAL INFO REFER TO:
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DIMENSIONS ARE IN INCHES



REGAL-BELOIT CORPORATION

CONNECTION DIAGRAM

FME: 30 FRAME SWITCH REDESIGN

52A105381BA