

# PRODUCT INFORMATION PACKET

Model No: 5KC33KN19

Catalog No: C462

1/4 HP General Purpose Motor, 1 phase, 1500 RPM, 110/220 V, 48 Frame, TEFC  
Single Phase TEFC Motors



### Nameplate Specifications

|                            |                             |                        |            |
|----------------------------|-----------------------------|------------------------|------------|
| Output HP                  | 0.25 Hp                     | Output KW              | 0.19 kW    |
| Frequency                  | 50 Hz                       | Voltage                | 110/220 V  |
| Current                    | 5.4,2.7 A                   | Speed                  | 1425 rpm   |
| Service Factor             | 1                           | Phase                  | 1          |
| Efficiency                 | 55 %                        | Power Factor           | 0          |
| Duty                       | Continuous                  | Insulation Class       | B          |
| KVA Code                   | L                           | 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

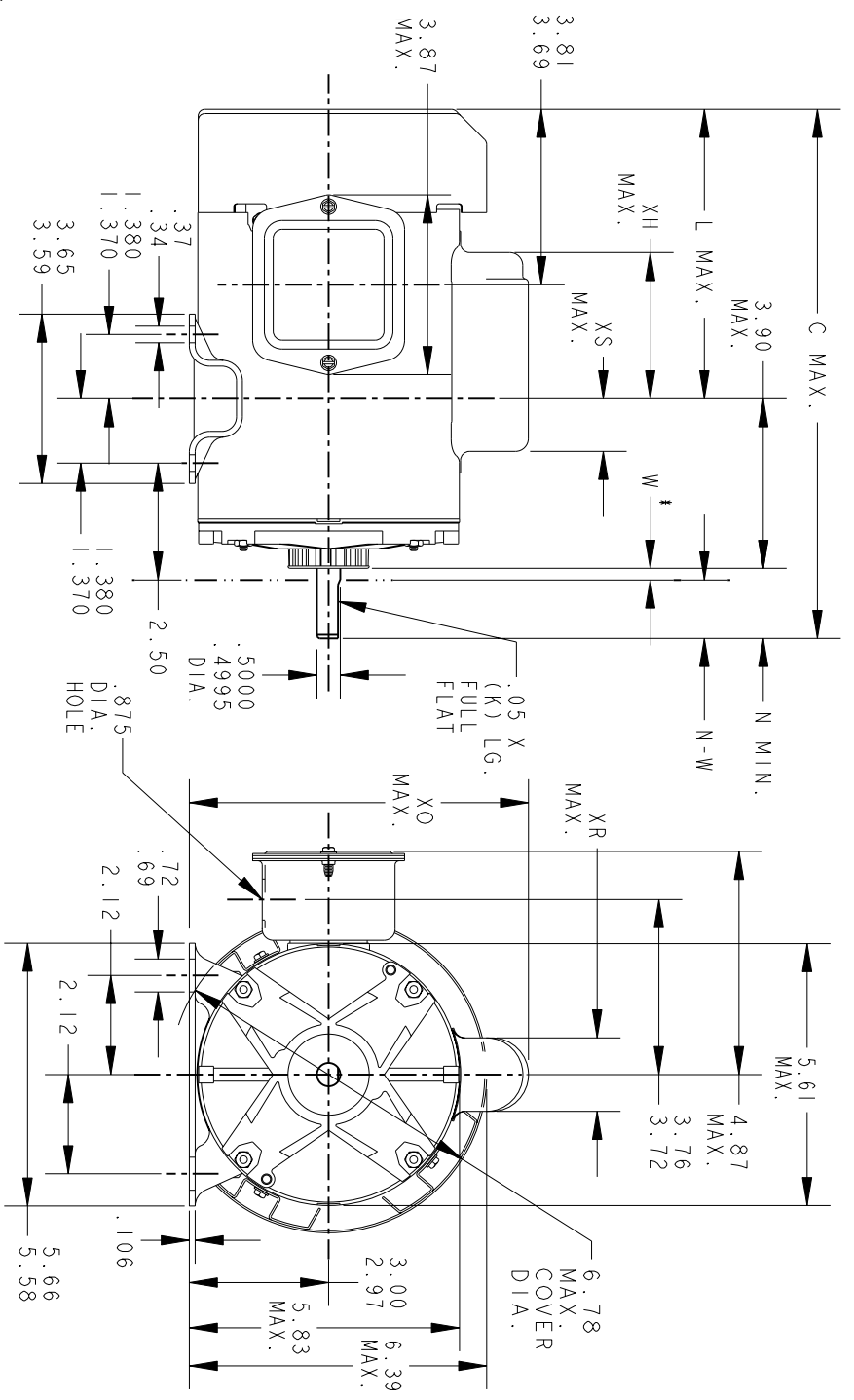
|                    |                               |                       |                            |
|--------------------|-------------------------------|-----------------------|----------------------------|
| Electrical Type    | Capacitor Start Induction Run | Starting Method       | SM                         |
| Poles              | 4                             | Rotation              | Counterclockwise/Clockwise |
| Mounting           | Rigid Base                    | Motor Orientation     | ANY                        |
| Drive End Bearing  | BALL                          | Opp Drive End Bearing | Ball                       |
| Frame Material     | Rolled Steel                  | Overall Length        | 10.17 in                   |
| Frame Length       | 5.41 in                       | Shaft Diameter        | 0.500 in                   |
| Shaft Extension    | 1.5 in                        |                       |                            |
| Connection Drawing | 52A105381BA                   | Outline Drawing       | 52A102057P2                |

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THIRD ANGLE PROJECTION



| REV. | DESCRIPTION                      | DATE     | APPROVED  |
|------|----------------------------------|----------|-----------|
| 7    | ADDED PARTS #10 & #11.           | 11/04/99 | M.D. PAPE |
| 8    | CHG TO RBC FORMAT PER IS05-11777 | 12/22/05 | DURGA     |



W IS A CLEARANCE DUE TO VARIATION IN PARTS AND ASSEMBLY

| P  | TYPE | GE SIZE | NEMA FR | C     | K    | L    | N    | N-W       | XH   | XO   | XR   | XS   | SHELL LGTH |
|----|------|---------|---------|-------|------|------|------|-----------|------|------|------|------|------------|
| 11 | KC   | 36      | 48Z     | 11.23 | 0.50 | 5.60 | 1.75 | 1.88/1.66 | 3.02 | 7.31 | 1.60 | 2.35 |            |
| 10 | KC   | 37      | 48Z     | 11.63 | 0.50 | 6.00 | 1.75 | 1.88/1.66 | 3.42 | 7.31 | 1.60 | 2.35 |            |
| 9  | KC   | 32      | 48      | 10.00 | 1.16 | 4.66 | 1.50 | 1.63/1.41 | 2.26 | 7.31 | 1.60 | 2.14 |            |
| 8  | KC   | 35      | 48      | 10.55 | 1.16 | 5.17 | 1.50 | 1.63/1.41 | 2.59 | 7.93 | 2.22 | 1.97 |            |
| 7  | KC   | 33      | 48      | 10.17 | 1.16 | 4.79 | 1.50 | 1.63/1.41 | 2.21 | 7.93 | 2.22 | 2.35 |            |
| 6  | KC   | 38      | 48      | 11.98 | 1.16 | 6.60 | 1.50 | 1.63/1.41 | 4.02 | 7.31 | 1.60 | 1.75 |            |
| 5  | KC   | 37      | 48      | 11.38 | 1.16 | 6.00 | 1.50 | 1.63/1.41 | 3.42 | 7.31 | 1.60 | 2.35 |            |
| 4  | KC   | 36      | 48      | 10.98 | 1.16 | 5.60 | 1.50 | 1.63/1.41 | 3.02 | 7.31 | 1.60 | 2.35 |            |
| 3  | KC   | 35      | 48      | 10.55 | 1.16 | 5.17 | 1.50 | 1.63/1.41 | 2.59 | 7.31 | 1.60 | 1.97 |            |
| 2  | KC   | 33      | 48      | 10.17 | 1.16 | 4.79 | 1.50 | 1.63/1.41 | 2.21 | 7.31 | 1.60 | 2.35 |            |
| 1  | KC   | 32      | 48      | 9.92  | 1.16 | 4.54 | 1.50 | 1.63/1.41 | 2.16 | 7.31 | 1.60 | 2.43 |            |

SIGNATURES DATE

MODEL . . . . .

DETAIL FPK 12/20/16

CHECKED . . . . .

ENGRG . . . . .

MFG . . . . .

QUALITY . . . . .

ISSUED . . . . .

BLJ 2/6/91

SOLID MODEL: 52A102057

**REGAL BELLOTT**

**REGAL-BELOTT CORPORATION**

TITLE **OUTLINE**

**GENERAL PURPOSE MOTOR -FORM N -TOTALLY ENCL. OUTBOARD FAN - WELDED BASE - BALL BEARING**

SIZE DRAWING A

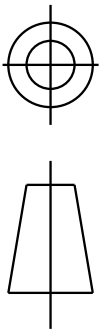
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52A102057

REV 8

SHEET 1 of 1

THIRD ANGLE PROJECTION

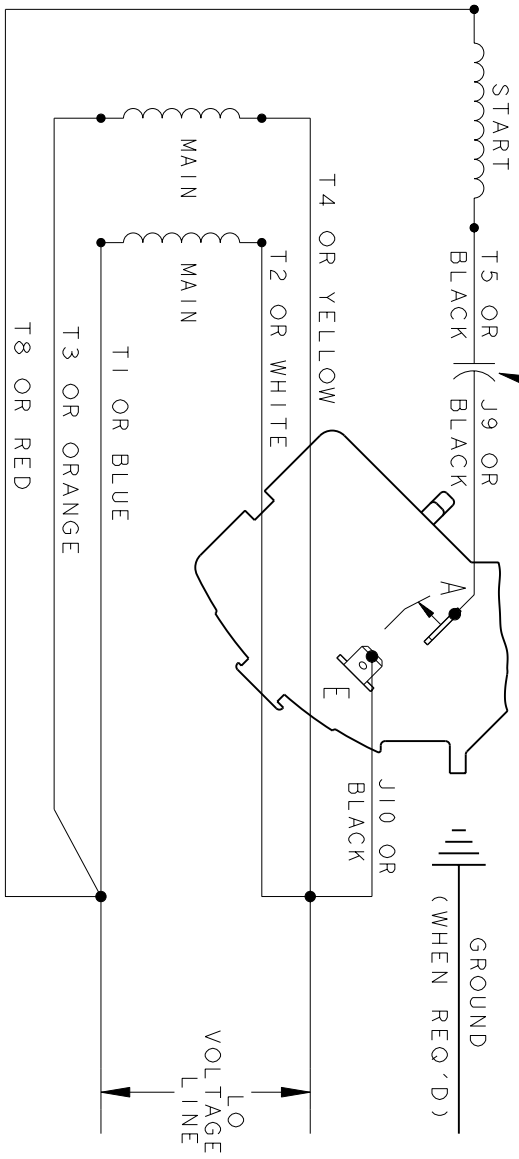


REVISIONS

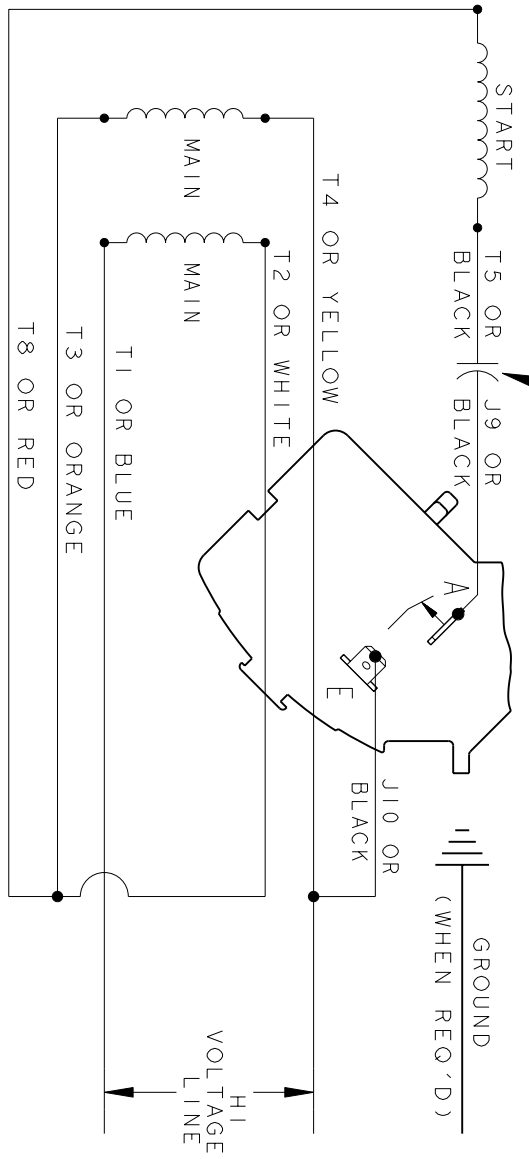
| REV. | DESCRIPTION    | DATE     | APPROVED |
|------|----------------|----------|----------|
| 3    | UPDATED FORMAT | 01/04/06 | MAM      |

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. PAPER               | 06/29/87 |  |
| DETAIL                   |                          |          |  |
| CHECKED                  |                          |          |  |
| ENGRG                    |                          |          |  |
| MFG                      |                          |          |  |
| QUALITY                  |                          |          |  |
| ISSUED                   | M.D. P.                  | 06/29/87 |  |
| APPLIED PRACTICES        |                          |          |  |
| DIMENSIONS ARE IN INCHES |                          |          |  |
| MATERIAL                 | SOLID MODEL: 52A105381BA |          |  |

FOR ADDITIONAL INFO REFER TO:

**REGAL-BELOIT CORPORATION**

**REGAL-BELOIT**

**CONNECTION DIAGRAM**

**FME: 30 FRAME SWITCH REDESIGN**

SCALE: 1.000 REF. No: .

SIZE DRAWING A

52A105381BA

REV 3

SHEET 1 of 1