

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 5KCR48UN0102Y

Catalog No: EG277

1 HP General Purpose Motor, 1 phase, 1800 RPM, 100-120/200-240 V, 56C Frame, ODP
Single Phase ODP Motors



Regal and Marathon are trademarks of Regal Beloit Corporation or one of its affiliated companies.
©2019 Regal Beloit Corporation, All Rights Reserved. MC017097E

REGAL



Nameplate Specifications

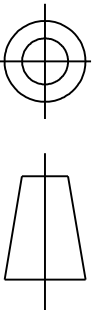
| | | | |
|------------------------|--------------------|----------------------------|--------------------------|
| Output HP | 1 Hp | Output KW | .75 kW |
| Frequency | 60 Hz | Voltage | 100-120/200-240 V |
| Current | 11.8-11.4 A | Speed | 1725 rpm |
| Service Factor | 1.15 | Phase | 1 |
| Efficiency | 0 % | Duty | CONT |
| Insulation Class | B | KVA Code | L |
| Frame | 56C | Enclosure | DP |
| Thermal Protection | MAN | Ambient Temperature | 40 °C |
| Drive End Bearing Size | 6203 | Opp Drive End Bearing Size | 6203 |
| UL | Recognized | CSA | Y |
| CE | N | | |

Technical Specifications

| | | | |
|-------------------|--|-----------------------|---|
| Electrical Type | Capacitor Start Capacitor Run(CSCR) | Starting Method | SM |
| Poles | 4 | Rotation | CCW/CW |
| Mounting | WB | Motor Orientation | ANY |
| Drive End Bearing | LOCKED | Opp Drive End Bearing | BALL |
| Frame Length | 8.43 in | Shaft Extension | .625 X 1.88 - .188 X .188 KEY in |

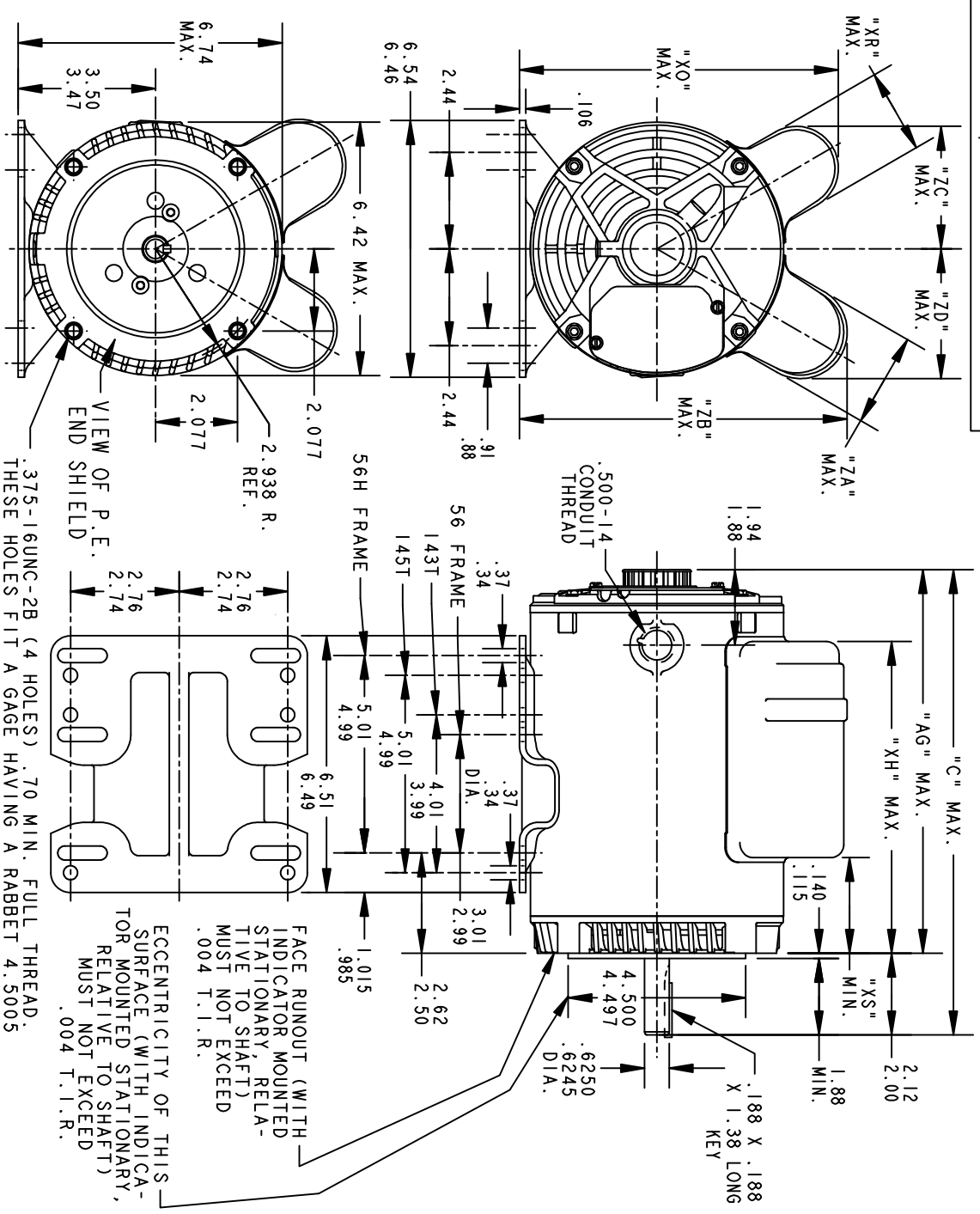
This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:01/11/2019

THIRD ANGLE PROJECTION



REVISIONS

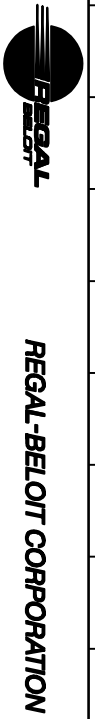
| REV. | DESCRIPTION | DATE | APPROVED |
|------|-----------------------------|----------|----------|
| 9 | ADDED PART #5 PER DS09-1045 | 07/15/09 | ARCHANA |



.375-16UNC-2B (4 HOLES) .70 MIN. FULL THREAD.
 THESE HOLES FIT A GAGE HAVING A RABBIT 4.5005
 DIA. AND 4 PINS .2917 DIA. LOCATED ON THE
 BASIC HOLE POSITIONS.

ECCENTRICITY OF THIS
 SURFACE (WITH INDICA-
 TOR MOUNTED STATIONARY,
 RELATIVE TO SHAFT)
 MUST NOT EXCEED
 .004 T.I.R.

| ALL DIMENSIONS ARE IN INCHES | | SIGNATURES | | DATE | | | | | | | | | | |
|------------------------------|------|------------|------|-------|-------|------|------|------|------|------|------|------|------|------------|
| 5 | KCR | 49 | 56CY | 13.86 | 11.74 | 9.67 | 8.18 | 2.10 | 4.00 | 2.40 | 8.39 | 3.14 | 3.33 | 9.63 |
| 4 | KCR | 49 | 56CY | 13.86 | 11.74 | 8.19 | 8.18 | 2.15 | 2.44 | 2.72 | 8.77 | 3.20 | 3.66 | 9.63 |
| 3 | KCR | 49 | 56CY | 13.22 | 11.10 | 8.17 | 8.18 | 2.15 | 1.86 | 2.72 | 8.77 | 3.20 | 3.66 | 8.99 |
| 2 | KCR | 48 | 56CY | 12.66 | 10.54 | 7.61 | 8.18 | 2.15 | 1.86 | 2.72 | 8.77 | 3.20 | 3.66 | 8.43 |
| 1 | KCR | 49 | 56CY | 11.91 | 9.79 | 8.07 | 8.18 | 2.15 | 2.32 | 2.40 | 8.40 | 3.20 | 3.38 | 7.68 |
| P | TYPE | GE | NEMA | "C" | "AG" | "XH" | "XO" | "XR" | "XS" | "ZA" | "ZB" | "ZC" | "ZD" | MIN. SHELL |



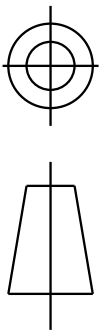
OUTLINE

GENERAL PURPOSE MOTOR DRIP PROOF - BALL BEARING - WELDED BASE R2 END MOUNTED FMF - 40 FRAME REDESIGN

SIZE A DRAWING 52A107663 REV 8

SCALE: 0.250 REF. No.: SHEET 1 OF 1

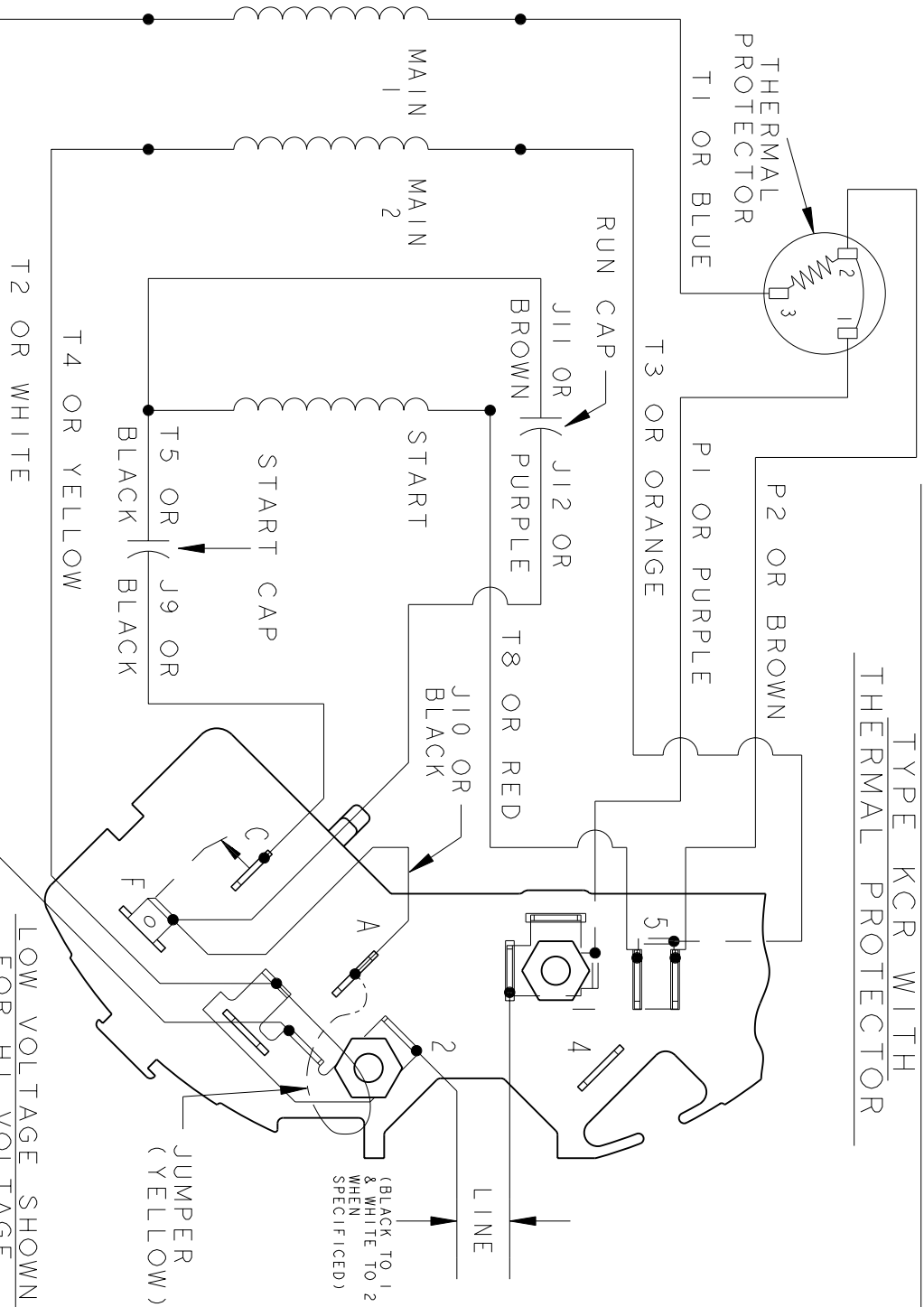
| FOR ADDITIONAL INFO REFER TO: | | |
|-------------------------------|------------------------|----------|
| APPLIED PRACTICES | QUALITY | ISSUED |
| DIMENSIONS ARE IN INCHES | M.D. PAPE | 02/27/92 |
| MATERIAL | SOLID MODEL: 52A107663 | |



| REV. | DESCRIPTION | DATE | APPROVED |
|------|--|----------|----------|
| 4 | ADDED NOTE FOR LINE LEAD PER DS09-1045 | 07/15/09 | ARCHANA |

EITHER ROTATION - DUAL VOLTAGE
TYPE KCR WITH
THERMAL PROTECTOR

52A105383AC



LOW VOLTAGE SHOWN
FOR HI VOLTAGE
SEE NOTE #1

- NOTE #1 - FOR HI VOLTAGE REMOVE BROWN (P2) FROM TERMINAL #5 AND PLACE ON TERMINAL #4, REMOVE WHITE (T2) FROM TERMINAL #2 AND PLACE ON TERMINAL #5.
- NOTE #2 - TO REVERSE ROTATION INTERCHANGE BLACK (J10) AND RED (T8) LEADS.
- NOTE #3 - WHEN MORE THAN ONE CAPACITOR IS USED CONNECT IN PARALLEL.

REF. DIAG. - NONE

SWITCH - 115D958AC

CONNECTION LABEL - 52X332051

| SIGNATURES | DATE |
|-------------------------------|--------------------------|
| MODEL M.D. PAPE | 03/03/88 |
| DETAIL | . |
| CHECKED | . |
| ENGRG | . |
| MFG | . |
| FOR ADDITIONAL INFO REFER TO: | |
| APPLIED PRACTICES | QUALITY |
| DIMENSIONS ARE IN INCHES | ISSUED |
| MATERIAL | SOLID MODEL: 52A105383AC |



REGAL-BELOIT CORPORATION

CONNECTION DIAGRAM

30 FRAME SWITCH REDESIGN

| | | | | | |
|-------|------|---------|-------|----------|--------|
| TITLE | SIZE | DRAWING | SCALE | REF. No. | SHEET |
| | A | | 1.000 | | 1 of 1 |

52A105383AC

REV 4