

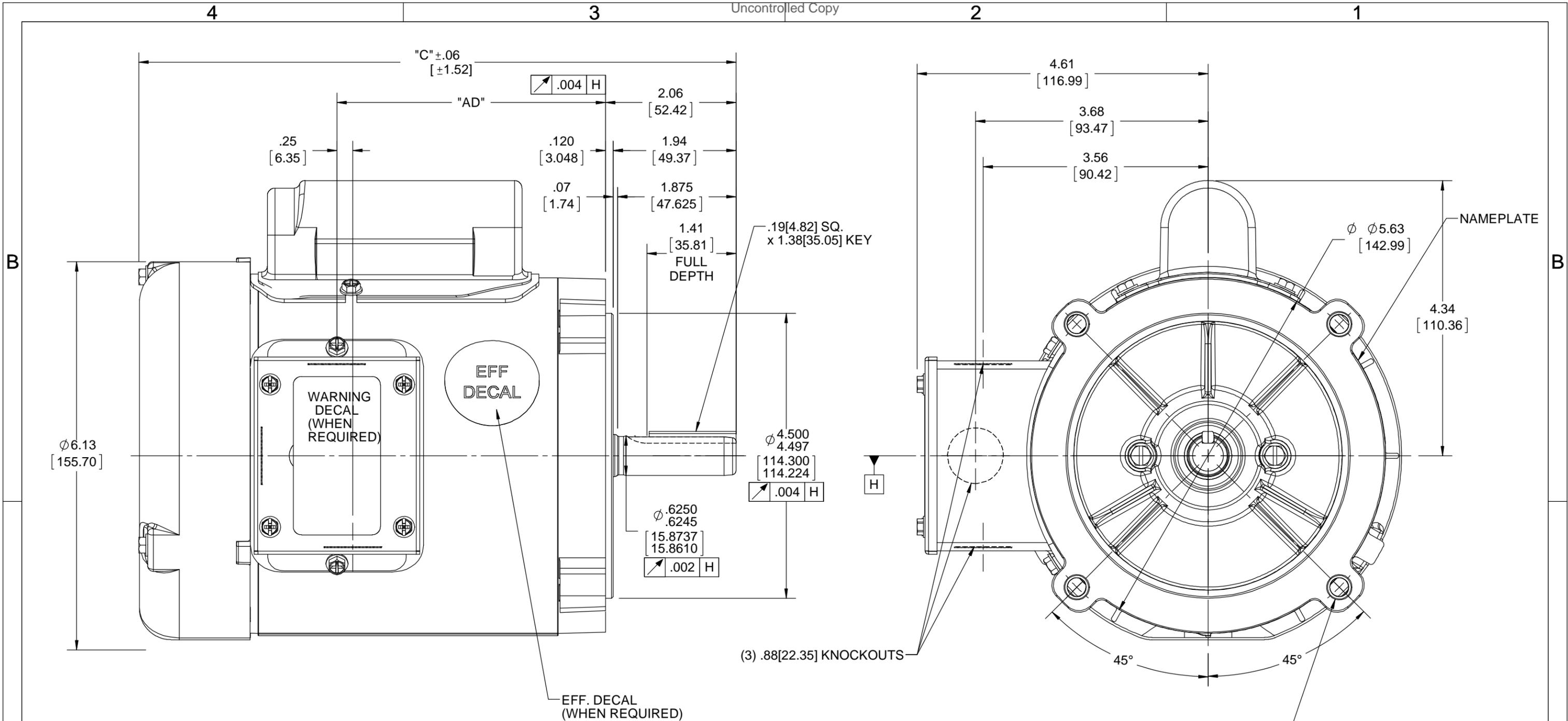


Nameplate Specifications

| | | | |
|------------------------|---------------|----------------------------|-----------------------------|
| Phase | 1 | Output HP | 0.33 Hp |
| Output KW | 0.25 kW | Voltage | 115/230 V |
| Speed | 1725 rpm | Service Factor | 1.15 |
| Frame | S56C | Enclosure | Totally Enclosed Fan Cooled |
| Thermal Protection | No Protection | Efficiency | 61 % |
| Ambient Temperature | 40 °C | Frequency | 60 Hz |
| Current | 6.6/3.3 A | Power Factor | 59 |
| Duty | Continuous | Insulation Class | B |
| Design Code | N | KVA Code | L |
| Drive End Bearing Size | 6203 | Opp Drive End Bearing Size | 6203 |
| UL | Recognized | CSA | Y |
| CE | N | IP Code | 43 |
| Number of Speeds | 1 | | |

Technical Specifications

| | | | |
|-----------------------|-------------------------------|-----------------------|----------------------------|
| Electrical Type | Capacitor Start Induction Run | Starting Method | Across The Line |
| Poles | 4 | Rotation | Selective Counterclockwise |
| Resistance Main | 6.16 Ohms | Mounting | Round |
| Motor Orientation | Horizontal | Drive End Bearing | Ball |
| Opp Drive End Bearing | Ball | Frame Material | Rolled Steel |
| Shaft Type | NEMA 56 | Overall Length | 9.94 in |
| Frame Length | 5.25 in | Shaft Diameter | 0.625 in |
| Shaft Extension | 1.88 in | Assembly/Box Mounting | F1 ONLY |
| Outline Drawing | 031649-525 | Connection Drawing | 005005.44 |



| DASH NO. | "C" | "AD" |
|----------|---------------|--------------|
| 475 | 9.45[240.03] | 4.25[107.95] |
| 500 | 9.70[246.38] | 4.50[114.3] |
| 525 | 9.95[252.73] | 4.75[120.65] |
| 550 | 10.20[259.08] | 5.00[127.00] |
| 575 | 10.45[265.43] | 5.25[133.35] |
| 600 | 10.70[271.78] | 5.50[139.7] |
| 625 | 10.95[278.13] | 5.75[146.05] |
| 650 | 11.20[284.48] | 6.00[152.4] |
| 675 | 11.45[290.83] | 6.25[158.75] |
| 700 | 11.70[297.18] | 6.50[165.1] |
| 725 | 11.95[303.53] | 6.75[171.45] |
| 750 | 12.20[309.88] | 7.00[177.8] |

| DRAWING REVISION | REVISION BY | DATE |
|------------------|----------------|-----------------|
| L | H. ADIKE | 10/17/2018 |
| ECO-0156721 | APPROVED BY JD | DATE 11/16/2018 |

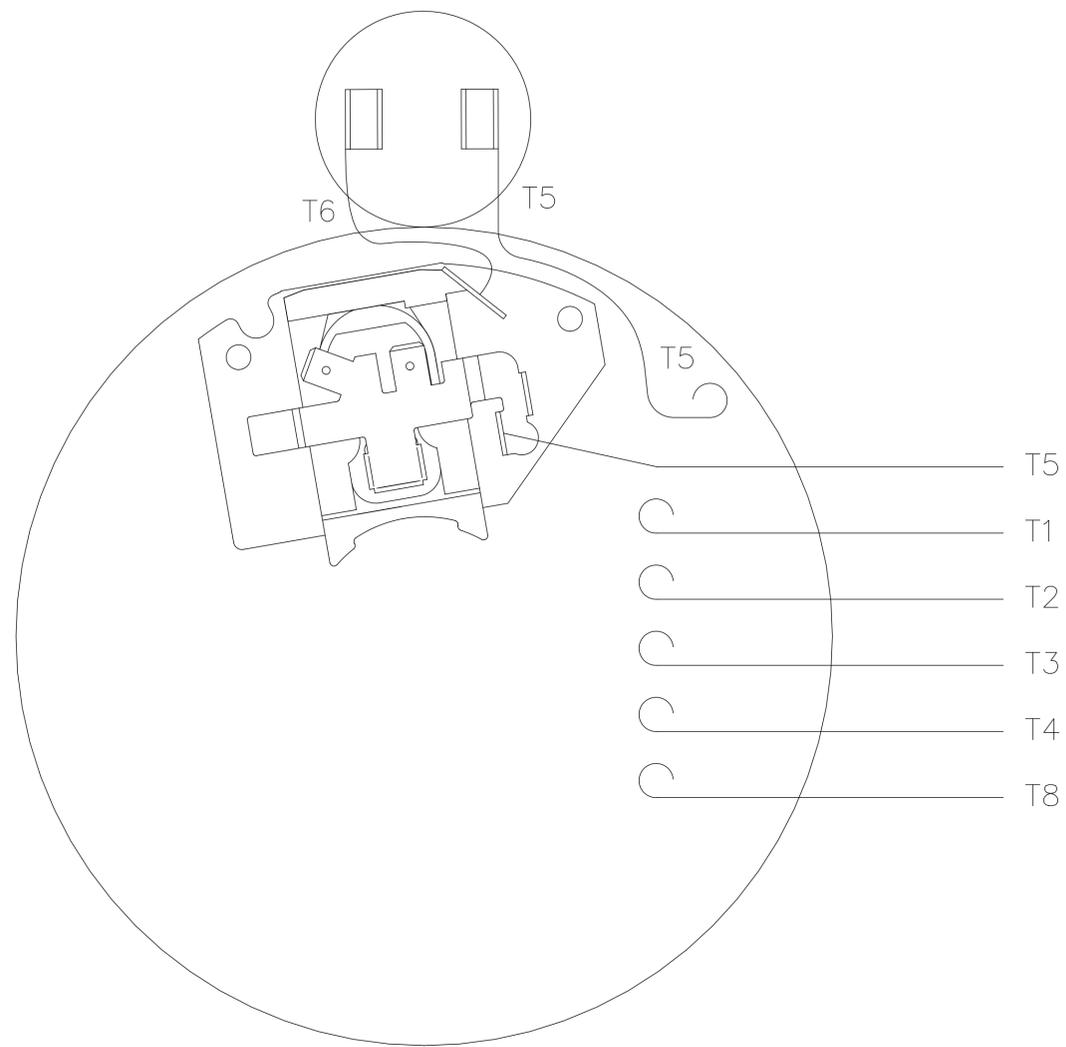
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TOLERANCES UNLESS OTHERWISE SPECIFIED:

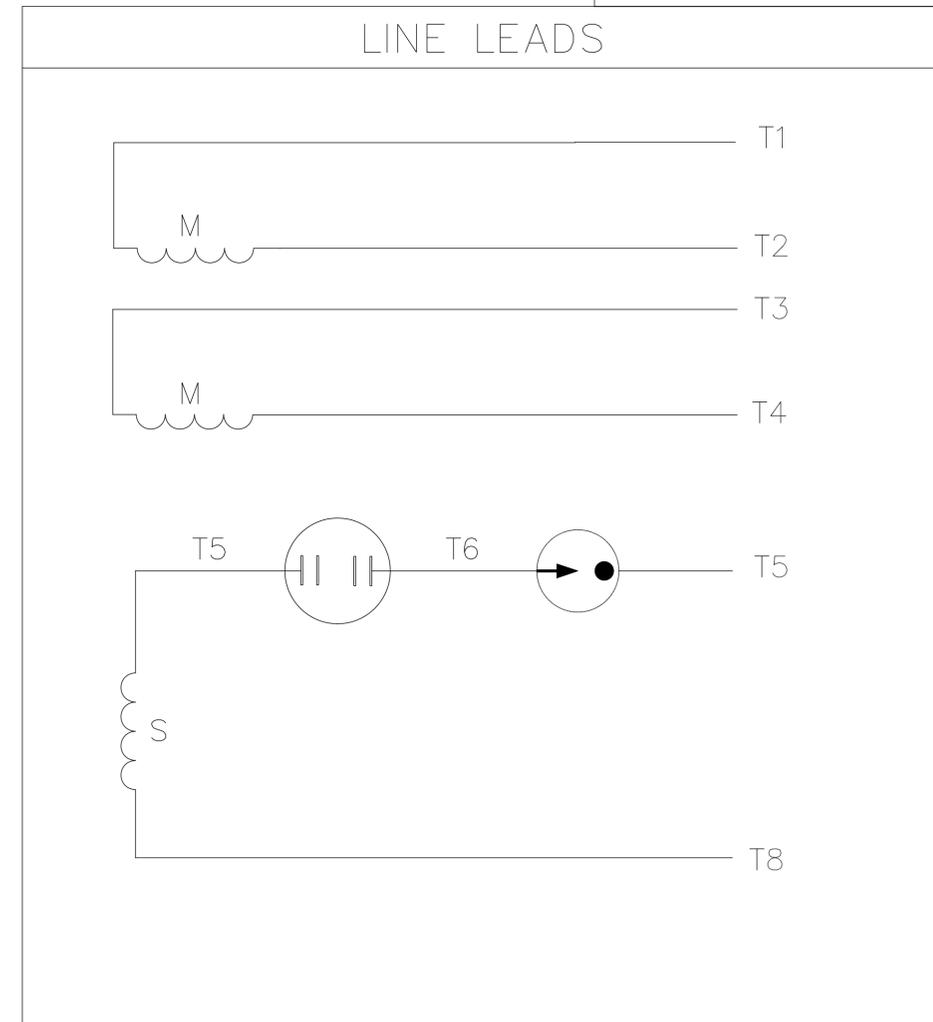
| DEC. | INCH | mm | ANGLE |
|-------|---------|-----------|-------|
| .X | ±0.1 | [±2.5] | ±0.5° |
| .XX | ±0.03 | [±0.76] | |
| .XXX | ±0.005 | [±0.127] | |
| .XXXX | ±0.0005 | [±0.0127] | |

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45°
 CORNER FILLETS: R.02 [.51]
 MACHINED SURFACES: 125 INCH 3.2 mm

| | | | | | | | | | | | |
|--------------------|--|----------------|--|-----------------------------------|--|-----------------------|--|------------------|--|----------------------------------|--|
| DRAWN BY PG | | DATE 09/24/01 | | APPROVED BY | | DATE | | REFERENCE 030521 | | THIRD ANGLE PROJECTION | |
| GASKETS THROUGHOUT | | ORACLE REV 004 | | REGAL™ Regal Beloit America, Inc. | | DESCRIPTION | | OUTLINE | | S56C FRAME "C" FACE MOUNT - TEFC | |
| MATERIAL | | PROCESS/FINISH | | SIZE B | | DRAWING NUMBER 031649 | | SHEET 1 OF 1 | | | |



VIEW FROM OUTSIDE OF MOTOR AT SWITCH END



| | ROTATION FACING LEAD END | L1 | L2 | JOIN |
|--------------|--------------------------------|-------------|-------------|-------------|
| HIGH VOLT | C.C.W. | T1 | T4,T5 | T2,T3 T8 |
| | C.W. | T1 | T4,T8 | T2,T3 T5 |
| LOW VOLT | C.C.W. | T1 T3,T8 | T2,T4 T5 | |
| | C.W. | T1 T3,T5 | T2,T4 T8 | |

| | | | | | | | | | | | |
|--|--------------------------------------|-----------|---------|---------------------------------------|--------|--------|---|-----------|--------|------|---|
| | | | | TOLERANCES UNLESS OTHERWISE SPECIFIED | | |  Regal Beloit America, Inc. | | | | |
| | | | | DEC. | INCHES | METRIC | | | | | |
| | | | | .X | ±.1 | ±.25 | DRAWN | PG 5/7/01 | TITLE | | EXTERNAL WIRING DIAGRAM TYPE "C" W/O PROTECTOR |
| | | | | .XX | ±.01 | ±.25 | APPR. | | MAT'L. | | DUAL VOLTAGE - DUAL ROTATION |
| 01 | MOVED T5 TO "INSIDE" SWITCH TERMINAL | PG 8/2/01 | | .XXX | ±.005 | ±.127 | R.F.P. | | | | |
| NO. | REVISION | BY & DATE | CH'K'D. | .XXXX | ±.0005 | ±.0127 | SCALE | 5=8 | | | |
| THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT | | | | FRACTIONS | ±1/64 | | REF. | 005005-01 | FINISH | REV. | DRAWING NO. |
| | | | | ANGLES | ±1/2° | | FMF | 100006 | | 01 | 005005-44 |



1051 CHEYENNE AVE.
GRAFTON, WI 53024
PH. 262-377-8810

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005005.44
OUTLINE: 031649-525
WINDING #: CE484205 FR 3 C

CATALOG #: 101766.00
MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

| HP | kW | SYNC. RPM | F.L. RPM | FRAME | ENCLOSURE | KVA CODE | DESIGN |
|-----|------|-----------|----------|-------|-----------|----------|--------|
| 1/3 | 0.25 | 1800 | 1725 | S56C | TEFC | L | N |

| PH | Hz | VOLTS | AMPS | START TYPE | DUTY | INSL | S.F. | AMB°C |
|----|----|-------------|-------------|-----------------|------------|------|------|-------|
| 1 | 60 | 115/208-230 | 6.6/2.9-3.3 | ACROSS THE LINE | CONTINUOUS | B3 | 1.15 | 40 |

| FULL LOAD EFF: | 61 | 3/4 LOAD EFF: | 55.3 | 1/2 LOAD EFF: | 46.6 | GTD. EFF | ELEC. TYPE |
|----------------|----|---------------|------|---------------|------|----------|-------------------|
| FULL LOAD PF: | 59 | 3/4 LOAD PF: | 49.5 | 1/2 LOAD PF: | 39.8 | 57.5 | CAP START IND RUN |

| F.L. TORQUE | LOCKED ROTOR AMPS | L.R. TORQUE | B.D. TORQUE | F.L. RISE°C |
|-------------|-------------------|----------------|----------------|-------------|
| 16 OZ-FT | 28 / 14 | 52 OZ-FT 325 % | 44 OZ-FT 275 % | 60 |

| SOUND PRESSURE @ 3 FT. | SOUND POWER | ROTOR WK^2 | MAX. WK^2 | SAFE STALL TIME | STARTS / HOUR | APPROX. MOTOR WGT |
|------------------------|-------------|------------|-----------|-----------------|---------------|-------------------|
| 0 dBA | 10 dBA | -1 LB-FT^2 | 0 LB-FT^2 | 10 SEC. | 0 | 16 LBS. |

***** SUPPLEMENTAL INFORMATION *****

| DE BRACKET TYPE | ODE BRACKET TYPE | MOUNT TYPE | ORIENTATION | SEVERE DUTY | HAZARDOUS LOCATION | DRIP COVER | SCREENS | PAINT |
|-----------------|------------------|------------|-------------|-------------|--------------------|------------|---------|------------------------|
| C-FACE | STANDARD | ROUND | HORIZONTAL | FALSE | NONE | FALSE | NONE | BLUE - LEESON (ENAMEL) |

| BEARINGS | | GREASE | SHAFT TYPE | SPECIAL DE | SPECIAL ODE | SHAFT MATERIAL | FRAME MATERIAL |
|----------|------|-------------|-------------|------------|-------------|--------------------------|----------------|
| DE | ODE | | | | | | |
| BALL | BALL | MULTEMP SRL | STANDARD 56 | NONE | NONE | 1144 STRESSPROOF (C-223) | ROLLED STEEL |
| 6203 | 6203 | | | | | | |

| THERMO-PROTECTORS | | | | THERMISTORS | CONTROL | SPACE HEATERS |
|-------------------|------------|----------|----------|-------------|---------|---------------|
| THERMOSTATS | PROTECTORS | WDG RTDs | BRG RTDs | | | |
| NONE | NOT | NONE | NONE | NONE | FALSE | NONE VOLTS |

| |
|--|
| INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE |
| ENCODER: NONE NONE NONE NONE NONE PPR |
| BRAKE: NONE NONE NONE P/N NONE NONE NONE NONE FT-LB NONE V NONE Hz |

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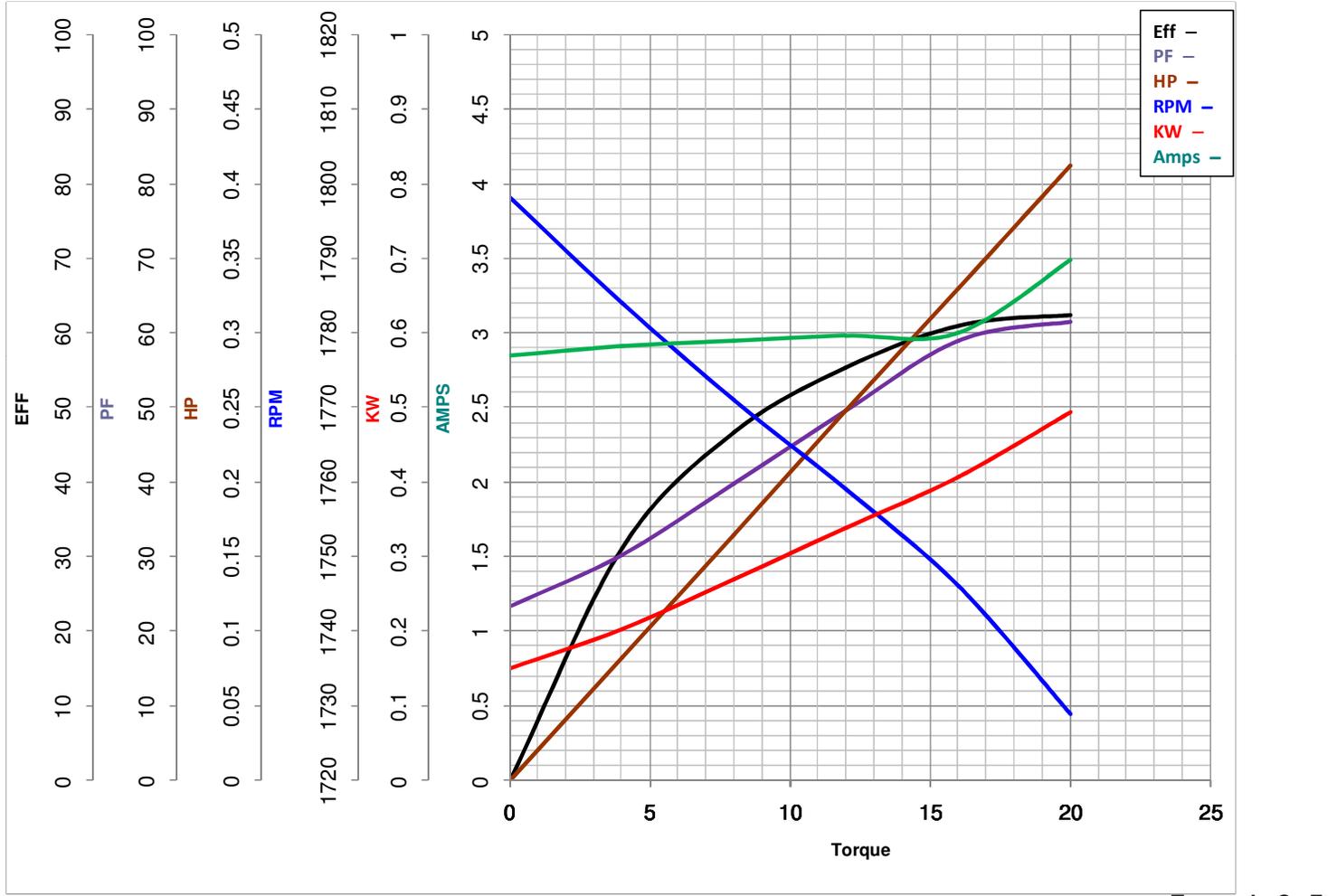


LEESON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 101766.00

Catalog No 101766.00

Curve at 230 Volts HP 0.34 PHASE 1
60 HZ
0.33 HP VOLTS 115/208-230
HZ 60 RPM 1725



| | | | | |
|-----------|-------------|-------|-----------|--------------------|
| FL TORQUE | <u>16</u> | Oz.Ft | FL AMPS | <u>6.6/2.9-3.3</u> |
| BD TORQUE | <u>44.0</u> | Oz.Ft | PU TORQUE | <u>38.0</u> Oz.Ft |
| LR TORQUE | <u>52</u> | Oz.Ft | LR AMPS | <u>14</u> |
| WINDING | CE484205-3 | | Date | 3/22/2018 |