

PRODUCT INFORMATION PACKET



Model No: 110019.00

Catalog No: 110019.00

General Purpose Motor, 1.50 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, 56H Frame, TEFC

Operational at 115/208-230 V @60HZ



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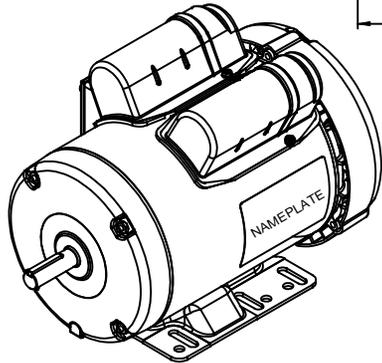
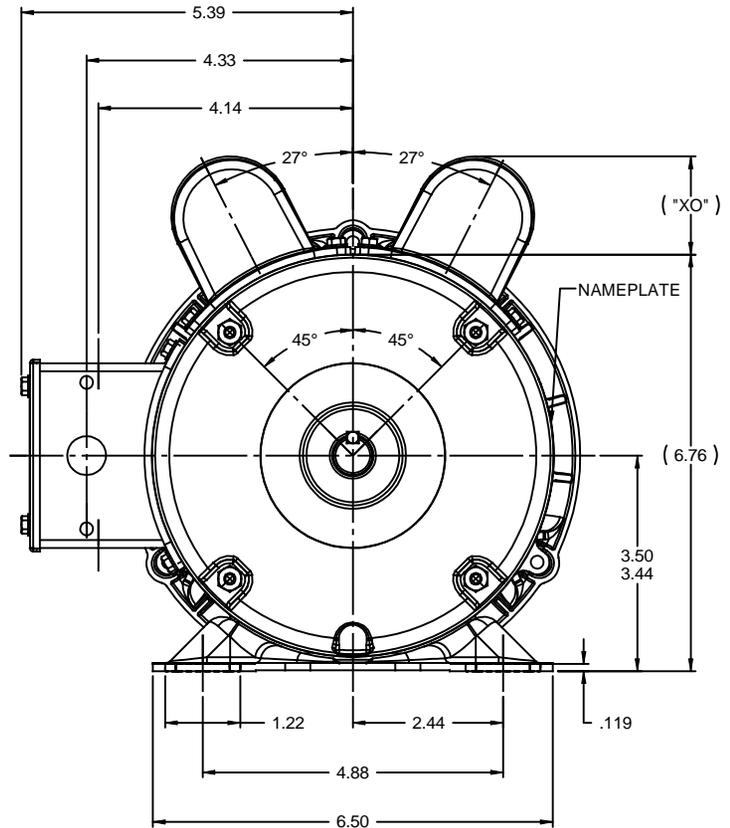
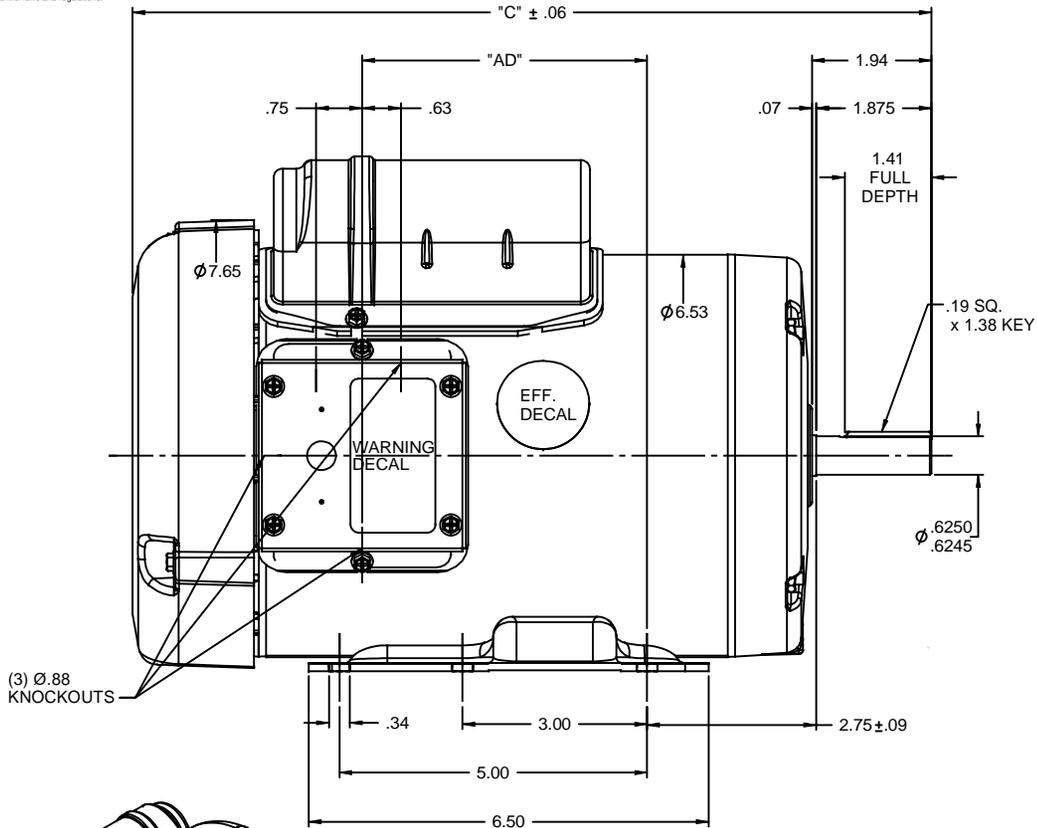
Nameplate Specifications

| | | | |
|------------------------|------------|----------------------------|-----------------------------|
| Phase | 1 | Output HP | 1.50 Hp |
| Output KW | 1.1 kW | Voltage | 115/230 V |
| Speed | 1725 rpm | Service Factor | 1.0 |
| Frame | 56H | Enclosure | Totally Enclosed Fan Cooled |
| Thermal Protection | Automatic | Efficiency | 79 % |
| Ambient Temperature | 40 °C | Frequency | 60 Hz |
| Current | 17.2/8.6 A | Power Factor | 73 |
| Duty | Continuous | Insulation Class | B |
| Design Code | L | KVA Code | J |
| 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 Capacitor Run | Starting Method | Across The Line |
| Poles | 4 | Rotation | Selective Counterclockwise |
| Resistance Main | 1.32 Ohms | Mounting | Rigid Base |
| Motor Orientation | Horizontal | Drive End Bearing | Ball |
| Opp Drive End Bearing | Ball | Frame Material | Rolled Steel |
| Shaft Type | NEMA 56 | Overall Length | 12.99 in |
| Frame Length | 7.50 in | Shaft Diameter | 0.625 in |
| Shaft Extension | 1.88 in | Assembly/Box Mounting | F1 ONLY |
| Connection Drawing | 005053.02 | Outline Drawing | 028863-750B |

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| DASH NO. | "C" | "AD" | CAP DASH | "XO" |
|----------|-------|------|----------|------|
| 700 | 12.49 | 4.13 | A | 1.15 |
| 750 | 12.99 | 4.63 | B | 1.60 |
| 800 | 13.49 | 5.13 | C | 1.82 |
| 850 | 13.99 | 5.63 | | |

NOTES:
 1) GASKETS THROUGHOUT.

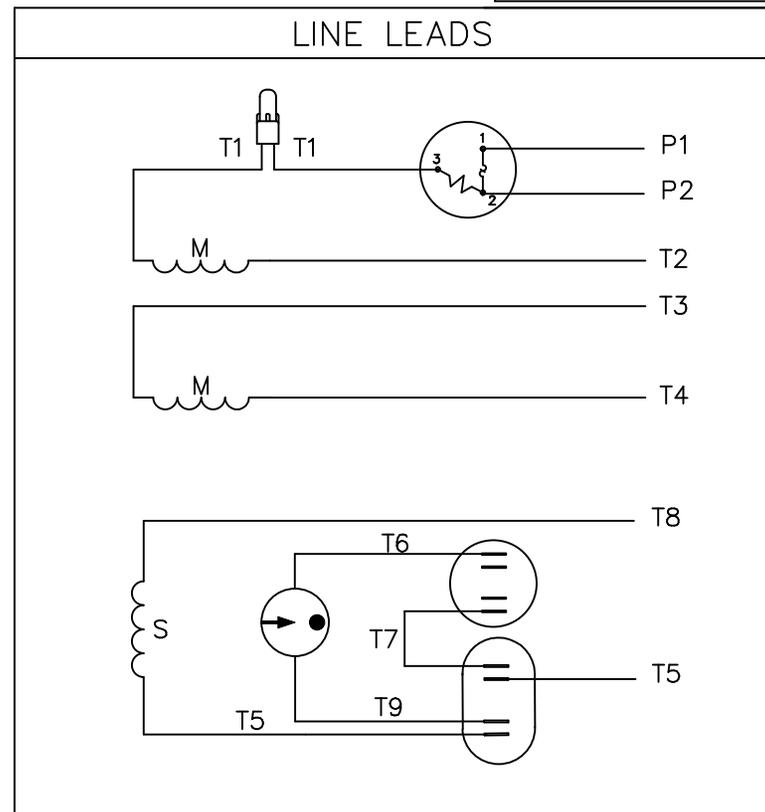
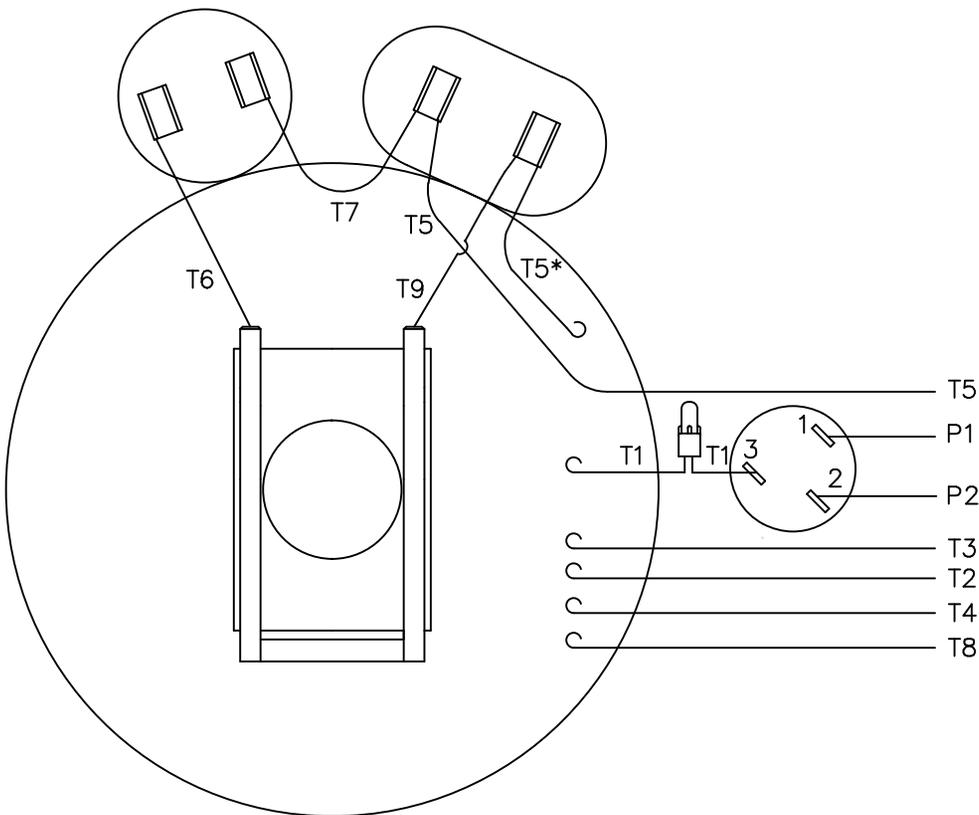
| REVISION | | BY & DATE | CHK | ANG | ±1/2° | FINISH | PAGE 1 OF 1 | |
|------------------------|--|-----------|-------------------|----------|-------|--------|-------------|---------------|
| NO | | | RFP | 08/21/08 | PREV | | SIZE | DRAWING NO |
| THIRD ANGLE PROJECTION | | | NETWORK FILE NAME | | | | B | 028863 |



**ELECTRIC MOTORS
 GEARMOTORS
 AND DRIVES**

DRAWN GRB 08/21/08
 CHK DJ 08/21/08
 APPR
 SCALE 1:2
 REF OL110019
 FMF 110019.00

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



| | ROTATION FACING LEAD END | L1 | L2 | JOIN | INSULATE SEPARATELY |
|-----------|--------------------------|----|-------------|-------------|---------------------|
| HIGH VOLT | C.C.W. | P1 | T4 T5 | T2,T3 T8 | P2 |
| | C.W. | P1 | T4 T8 | T2,T3 T5 | P2 |
| LOW VOLT | C.C.W. | P1 | T2,T4 T5 | P2,T3 T8 | ----- |
| | C.W. | P1 | T2,T4 T8 | P2,T3 T5 | ----- |

* THIS LEAD MAY BE WHITE

| | | TOLERANCES UNLESS SPECIFIED | |
|-----|-----------------|-----------------------------|---------------|
| | | DEC. | INCHES |
| | | .X | ±.1 |
| | | .XX | ±.01 |
| 04 | ADDED "*" TO T5 | RLW 7/22/02 | .XXX ±.005 |
| 03 | REDRAWN ON CAD | DBT 05/27/97 | .XXXX ±.0005 |
| NO. | REVISION | BY & DATE | CHK ANG ±1/2" |

REGAL-BELOIT Motor Technologies Group

DRAWN ADH 06/16/76
 CHK WRK 06/30/76
 APPD
 SCALE 1=1
 REF
 FMF 6K17FB8A
 PREV

TITLE EXTERNAL WIRING DIAGRAM TYPE "K" W/PROTECTOR
 MAT'L. DECAL 004011
 FINISH

| | | | | | | |
|--|--|------|-------------------|--------|-----------------------|---------|
| 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 | | RFP | CAD FILE 00505302 | SIZE A | DRAWING NO. 005053-02 | REV. 04 |
| | | DIST | | | | |



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 005053.02

CATALOG #: 110019.00

OUTLINE: 028863-750B

MOUNTING: F1 ONLY

WINDING #: K634119 FR 3 B

TYPICAL MOTOR PERFORMANCE DATA

| HP | kW | SYNC. RPM | F.L. RPM | FRAME | ENCLOSURE | KVA CODE | DESIGN |
|-------|------|-----------|----------|-------|-----------|----------|--------|
| 1 1/2 | 1.12 | 1800 | 1725 | 56H | TEFC | J | L |

| PH | Hz | VOLTS | AMPS | START TYPE | DUTY | INSL | S.F. | AMB°C |
|----|----|-------------|--------------|-----------------|------------|------|------|-------|
| 1 | 60 | 115/208-230 | 17.2/8.8-8.6 | ACROSS THE LINE | CONTINUOUS | B4 | 1.0 | 40 |

| FULL LOAD EFF: | 79 | 3/4 LOAD EFF: | 78.7 | 1/2 LOAD EFF: | 75.8 | GTD. EFF | | ELEC. TYPE | |
|----------------|----|---------------|------|---------------|------|----------|--|-------------------|--|
| FULL LOAD PF: | 73 | 3/4 LOAD PF: | 65.8 | 1/2 LOAD PF: | 53.2 | 75.5 | | CAP START CAP RUN | |

| F.L. TORQUE | LOCKED ROTOR AMPS | L.R. TORQUE | B.D. TORQUE | F.L. RISE°C |
|-------------|-------------------|----------------|------------------|-------------|
| 4.48 LB-FT | 100 / 50 | 13 LB-FT 289 % | 10.7 LB-FT 238 % | 82 |

| SOUND PRESSURE @ 3 FT. | SOUND POWER | ROTOR WK^2 | MAX. WK^2 | SAFE STALL TIME | STARTS / HOUR | APPROX. MOTOR WGT |
|------------------------|-------------|--------------|-------------|-----------------|---------------|-------------------|
| 62 dBA | 72 dBA | 0.14 LB-FT^2 | 0.1 LB-FT^2 | 10 SEC. | 0 | 41 LBS. |

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

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

| BEARINGS | | GREASE | SHAFT TYPE | SPECIAL DE | SPECIAL ODE | SHAFT MATERIAL | FRAME MATERIAL |
|----------|------|------------|-------------|------------|-------------|--------------------------|----------------|
| DE | ODE | | | | | | |
| BALL | BALL | POLYREX EM | 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 | AUTOMATIC | NONE | NONE | NONE | FALSE | NONE VOLTS |

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|----------------------------------|
| 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 |



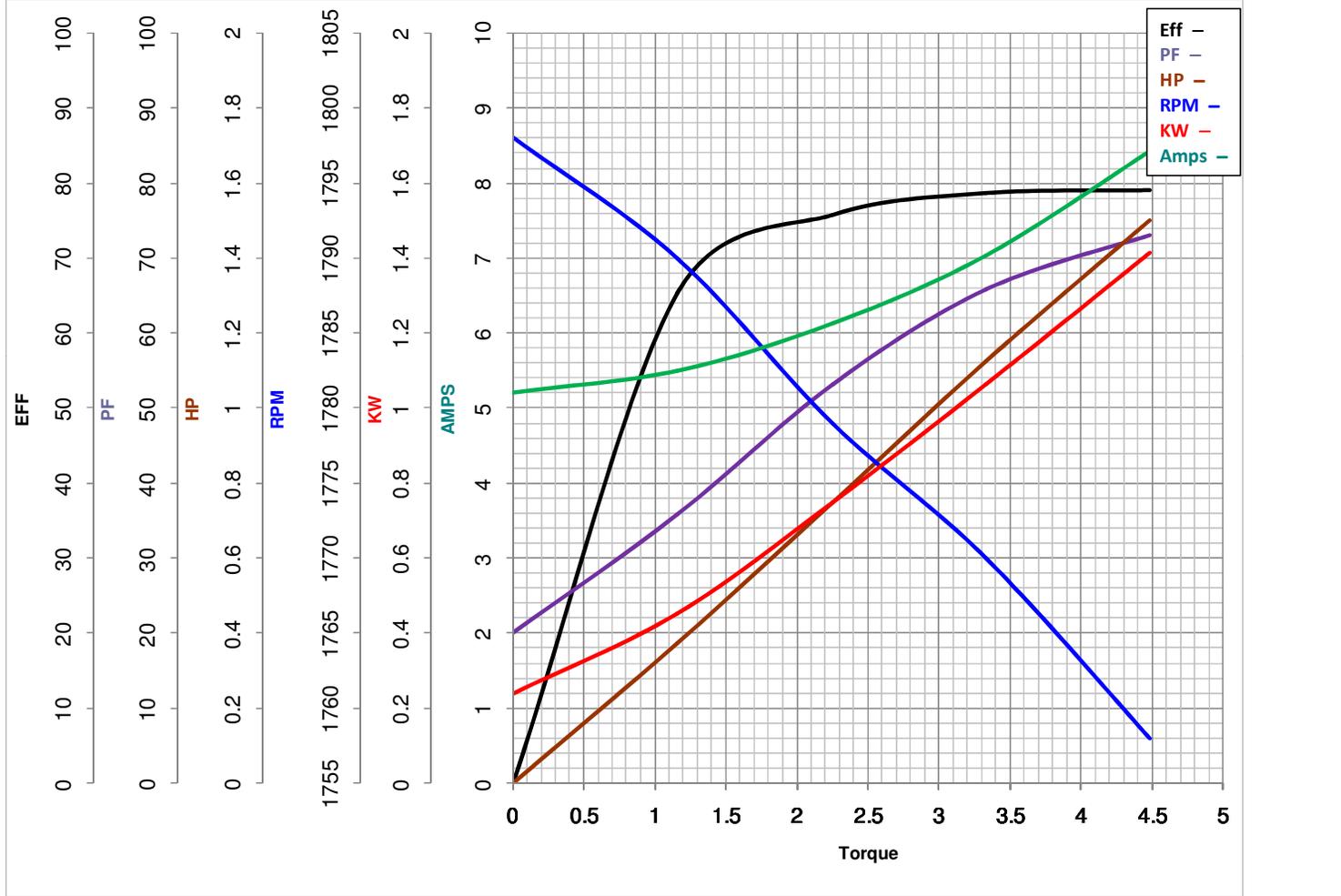
LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 110019.00

Curve at 230 Volts HP 1.50 PHASE 1
60 HZ
1.5 HP VOLTS 115/208-230

Catalog No 110019.00

HZ 60 RPM 1725



| | | | | |
|------------------|-------------|-------|------------------|---------------------|
| FL TORQUE | <u>4.48</u> | Lb.Ft | FL AMPS | <u>17.2/8.8-8.6</u> |
| BD TORQUE | <u>10.7</u> | Lb.Ft | PU TORQUE | <u>9.3</u> Lb.Ft |
| LR TORQUE | <u>13</u> | Lb.Ft | LR AMPS | <u>50</u> |
| WINDING | K634119-3 | | Date | <u>4/11/2018</u> |