



A Regal Brand

Catalog # : 107025.00
Product Type: ACSG
Description:

Model: 107025.00
Stock: Y

Engineering Data

| | | | | | |
|-------------|-------|---------------|--------|-------------|----------|
| RPM | 18 | Volts | | Volts | |
| HP/KW | .33 | F.L. Amps | | F.L. Amps | 1.6/.8 |
| Frame | 48Y | S. F Amps | | S. F Amps | 1.7/.85 |
| Max Amb | 40 | Hertz | | Phase | 3 |
| Insul Class | F4 | Duty | CONT | TYPE | TF |
| | | Serv. Factor | 1.15 | PF | |
| Eff 100% | | Eff 75% | | Enclosure | TEFC |
| Protection | NOT | Therm.Prot. | | Bearing OPE | 6203 |
| Design | | Code | L | Bearing PE | 6203 |
| UL | Yes | CSA | Yes | CE | No |
| Series | P1100 | Nameplate | 080573 | Lubrication | |
| | | Overrlung Ld. | 700 | Shaft Type | PARALLEL |

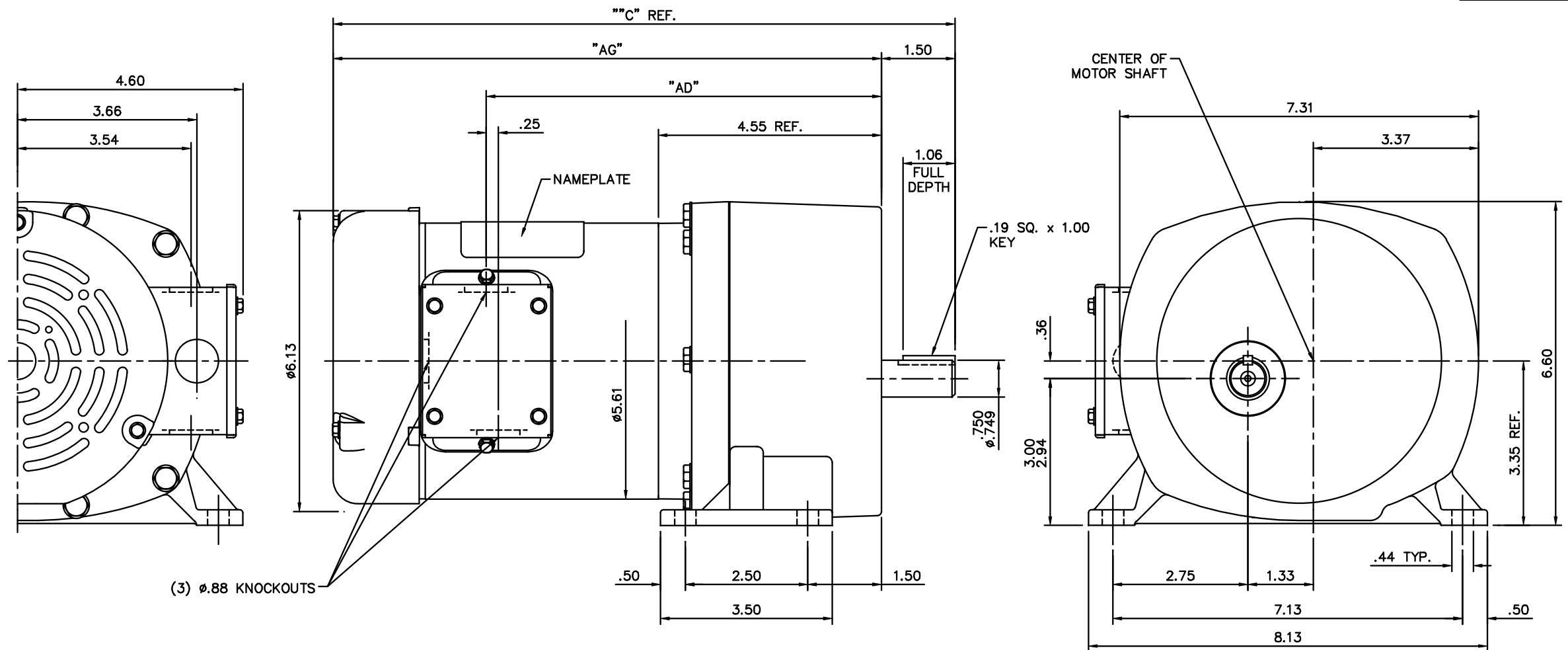
| | | | | | |
|--------------|------------------|------------|-------------|--------------|--------|
| Motor Wt. | 34 LB | Mounting | SPECIAL | Rotation | RECONN |
| Carton Label | Leeson GearMotor | Assembly | LO107025 | | |
| Winding | T5542 | Shaft Dia. | 3/4 | Ext. Diag2. | |
| GROUP : | 3 F | Paint | M1305027.01 | Packaging | B |
| Test Card | 02 | Outline | 031837-500 | Cust Part No | |

| | | | |
|-------------|--|--------------|--|
| Form Factor | | RMS Amps | |
| Torque | | Peak | |
| AB Code | | Peak@DegC | |
| Resistance | | | |
| Connection | | Const Torque | |

Rework Status Rework TYPE

| | | |
|------------------|-------|---------------|
| 4Explosion Proof | | 2Brake Motors |
| Temp Op Code | | FORCE |
| Class | GROUP | VDC |
| Class | GROUP | ADC |

031837



| GEARBOX RATIO | H.P. | CATALOG NUMBER | OUTLINE DASH NO. |
|---------------|------|----------------|------------------|
| 95:1 | 1/3 | 107025.00 | 500 |
| 66:1 | 1/3 | 107026.00 | 500 |
| 42:1 | 1/3 | 107027.00 | 500 |
| 29:1 | 1/3 | 107028.00 | 500 |
| 19:1 | 1/3 | 107029.00 | 500 |
| 11:1 | 1/3 | 107030.00 | 500 |
| 6:1 | 1/3 | 107031.00 | 500 |
| 79:1 | 1/2 | 107032.00 | 550 |
| 42:1 | 1/2 | 107033.00 | 550 |
| 29:1 | 1/2 | 107034.00 | 550 |
| 19:1 | 1/2 | 107035.00 | 550 |
| 13:1 | 1/2 | 107036.00 | 550 |
| 6:1 | 1/2 | 107037.00 | 550 |

| OUTLINE DASH NO. | "C" | "AG" | "AD" |
|------------------|-------|-------|------|
| 500 | 12.92 | 11.42 | 8.31 |
| 550 | 13.42 | 11.92 | 8.81 |

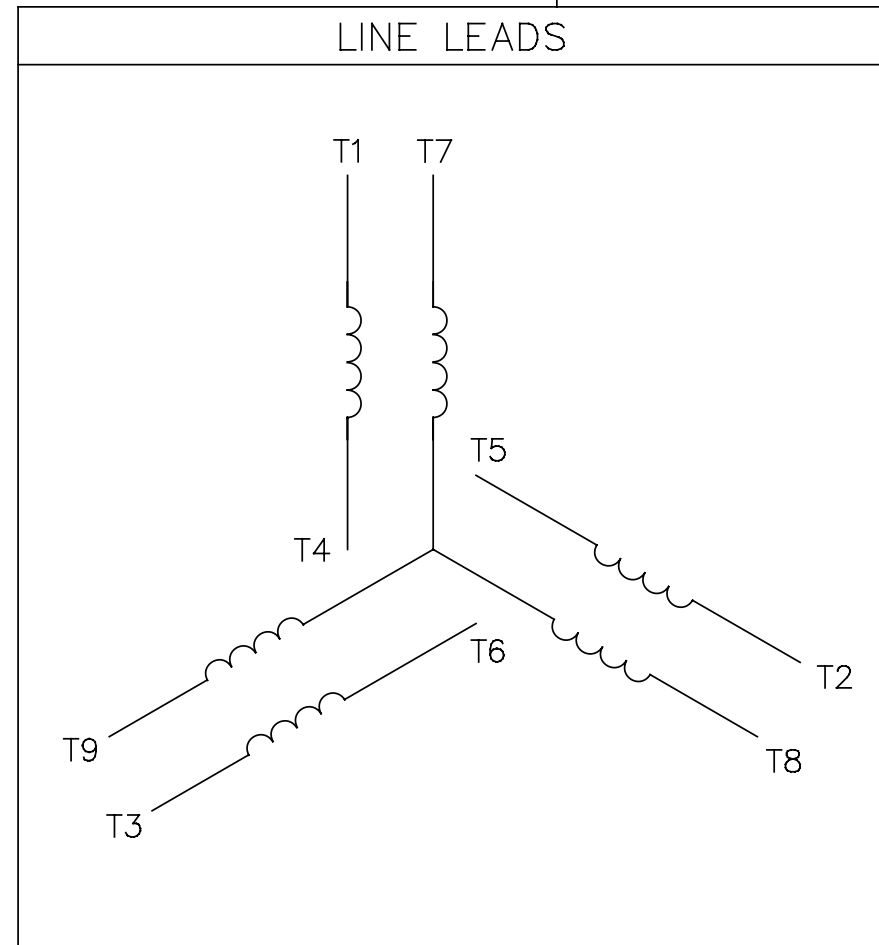
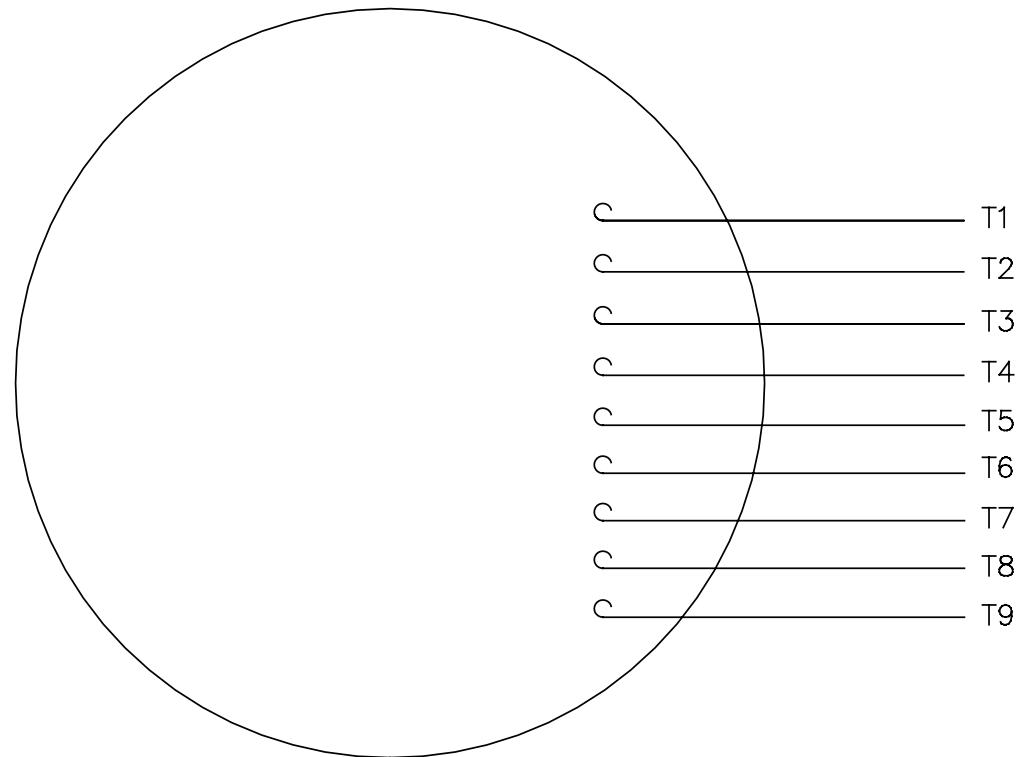
GASKETS THROUGHOUT

| | | TOLERANCES UNLESS SPECIFIED | | LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES | | DRAWN PG 11/28/05 | |
|-----|----------|-----------------------------|--------|--|----------|--|--------------------|
| | | DEC. | INCHES | CHK | | APPD | |
| | | .X | ±.1 | | | | |
| | | .XX | ±.03 | | TITLE | OUTLINE - 48 FRAME | SCALE 1=2 |
| | | .XXX | ±.005 | | | TEFC GEARMOTOR | REF 031259 |
| | | .XXXX | ±.0005 | | MAT'L | 3 PHASE | FMF 107025.00 |
| NO. | REVISION | BY & DATE | CHK | ANG | FINISH | STANDARD | PREV |
| | | | RFP | | | 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 | |
| | | | DIST | | CAD FILE | 031837 | REV. B |
| | | | | | | | DRAWING NO. 031837 |

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005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



| VOLTAGE | L1 | L2 | L3 | JOIN & INSULATE |
|---------|-------|-------|-------|-------------------------------|
| HIGH | T1 | T2 | T3 | (T4,T7) (T5,T8) (T6,T9) |
| LOW | T1,T7 | T2,T8 | T3,T9 | T4,T5,T6 |

| | | TOLERANCES UNLESS SPECIFIED | | REGAL™ Regal Beloit America, Inc. | | DRAWN RDW 04/12/02 | |
|--|-----------------------|-----------------------------|-----------|--|-------------|--------------------|------|
| | | DEC. | INCHES | | | CHK | |
| | | .X | ±.1 | | | APPD | |
| | | .XX | ±.01 | TITLE | | SCALE 1=1 | |
| | | .XXX | ±.005 | EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR | | REF FIG.2-51 | |
| A | UPDATED TO REGAL LOGO | SAJ 06/26/15 | AJY .XXXX | ±.0005 | MAT'L. | DECAL - 004014 | |
| NO. | REVISION | BY & DATE | CHK | ANG ±1/2° | FINISH | PREV | |
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| | | | DIST | BRF-NLV | DRAWING NO. | | REV. |
| | | | | | A | 005010-01 | A |