

PRODUCT INFORMATION PACKET



Model No: 107037.00

Catalog No: 107037.00

Parallel Shaft Gearmotor, 0.50 HP, 3 Ph, 60 Hz, 208-230/460 V, 288 RPM, 48 Frame, TEFC



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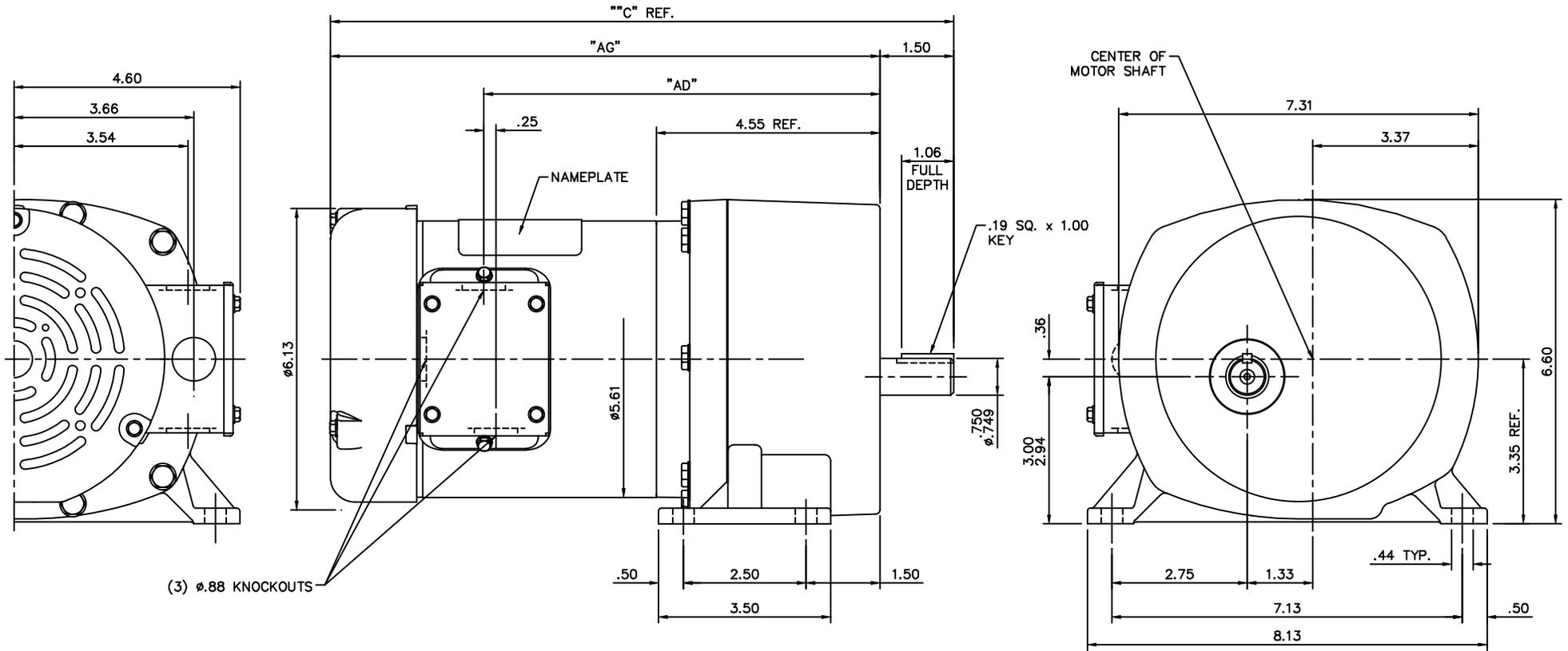
Nameplate Specifications

| | | | |
|----------------------------|----------------------|------------------------|------------------------------------|
| Phase | 3 | Output HP | 0.50 Hp |
| Output KW | 0.37 kW | Voltage | 208-230/460 V |
| Speed | 288 rpm | Service Factor | 1.15 |
| Frame | 48 | Enclosure | Totally Enclosed Fan Cooled |
| Thermal Protection | No Protection | Efficiency | 75 % |
| Ambient Temperature | 40 °C | Frequency | 60 Hz |
| Current | 2.0/1.0 A | Power Factor | 68 |
| Duty | Continuous | Insulation Class | F |
| KVA Code | K | Drive End Bearing Size | 6203 |
| Opp Drive End Bearing Size | 6203 | UL | Recognized |
| CSA | Y | CE | N |

Technical Specifications

| | | | |
|--------------------|-------------------|-----------------|-------------------|
| Rotation | Reversible | Mounting | Special |
| Shaft Type | Parallel | Overall Length | 13.42 in |
| Frame Length | 5.50 in | Shaft Diameter | 0.750 in |
| Shaft Extension | 1.5 in | Torque | 100 LB-IN |
| Connection Drawing | 005010.01 | Outline Drawing | 031837-550 |

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(3) $\phi .88$ KNOCKOUTS

| 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 |

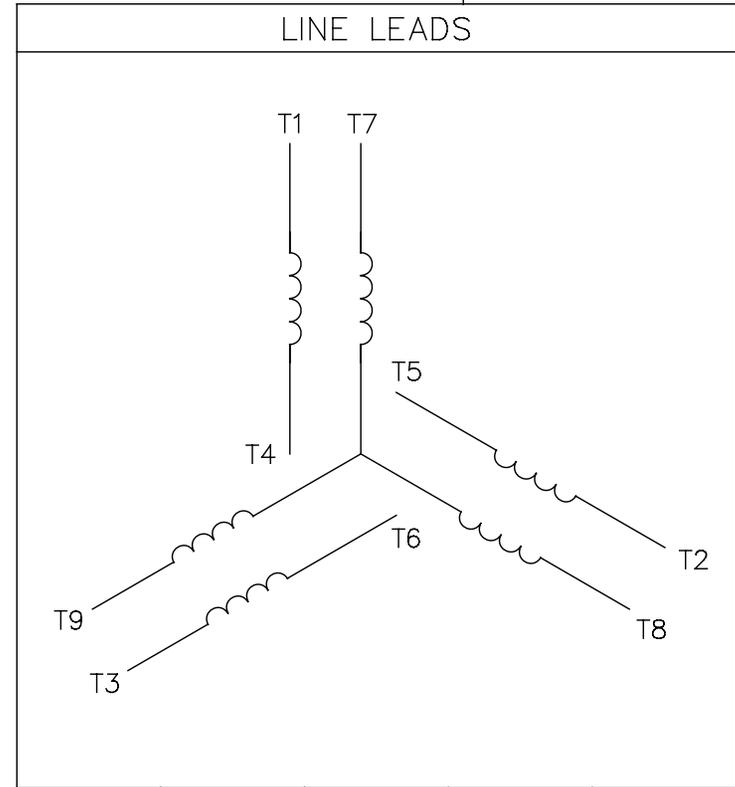
| OUTLINE DASH NO. | "C" | "AG" | "AD" |
|------------------|-------|-------|------|
| 500 | 12.92 | 11.42 | 8.31 |
| 550 | 13.42 | 11.92 | 8.81 |

GASKETS THROUGHOUT

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

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 Beloit America, Inc. | | DRAWN RDW 04/12/02 | | | | |
| | | | | DEC. | INCHES | | | CHK | | | | |
| | | | | .X | ±.1 | | | APPD | | | | |
| | | | | .XX | ±.01 | | | SCALE 1=1 | | | | |
| | | | | .XXX | ±.005 | TITLE | | REF FIG.2-51 | | | | |
| A | UPDATED TO REGAL LOGO | | | SAJ | 06/26/15 | AJY | .XXXX | ±.0005 | MAT'L. DECAL - 004014 | FMF | | |
| NO. | REVISION | | | BY & DATE | CHK | ANG | ±1/2" | FINISH | PREV | | | |
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| | | | | DIST | BRF-NLV | | | A | 005010-01 | | A | |