

PRODUCT INFORMATION PACKET



Model No: C6T34DC64C

Catalog No: 113891.00

..1 1/2HP..3450RPM.56.DP.230/460V.3PH.60HZ.CONT.40C.1.15SF.C FACE.C6T34DC64C.....JET
PUMP.NOT.....

Jet Pump



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Nameplate Specifications

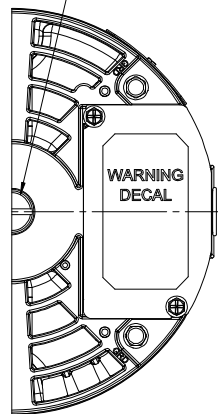
| | | | |
|----------------------------|---------------|------------------------|---------------|
| Output HP | 1.50 Hp | Output KW | 1.1 kW |
| Frequency | 60 Hz | Voltage | 208-230/460 V |
| Current | 4.4-4.2/2.1 A | Speed | 3450 rpm |
| Service Factor | 1.15 | Phase | 3 |
| Efficiency | 81.5 % | Duty | Continuous |
| Insulation Class | B | Design Code | B |
| KVA Code | K | Frame | 56J |
| Enclosure | Drip Proof | Overload Protector | No |
| Ambient Temperature | 40 °C | Drive End Bearing Size | 6203 |
| Opp Drive End Bearing Size | 6203 | UL | Recognized |
| CSA | Y | CE | N |
| IP Code | 22 | | |

Technical Specifications

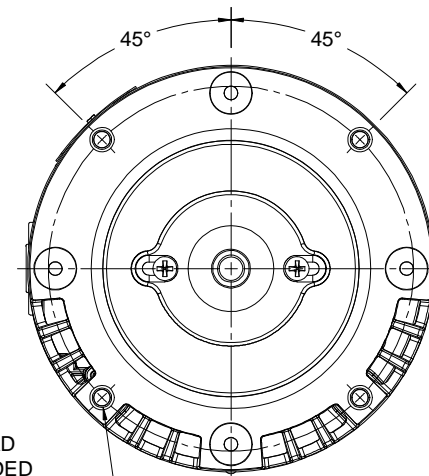
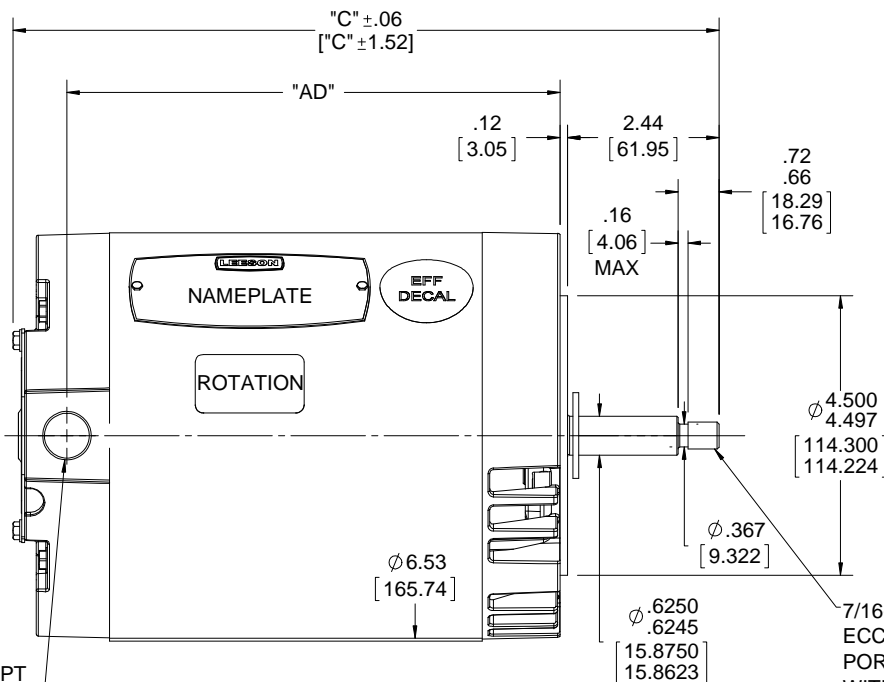
| | | | |
|-----------------------|-----------------------------|-----------------------|-----------------|
| Electrical Type | Squirrel Cage Induction Run | Starting Method | Across The Line |
| Poles | 2 | Rotation | Reversible |
| Mounting | Round | Motor Orientation | HORIZONTAL |
| Drive End Bearing | BALL | Opp Drive End Bearing | BALL |
| Frame Material | Rolled Steel | Shaft Type | J |
| Overall Length | 11.34 in | Frame Length | 6.00 in |
| Shaft Diameter | 0.625 in | Shaft Extension | 2.44 in |
| Assembly/Box Mounting | F1 ONLY | | |
| Outline Drawing | 028540-600 | Connection Diagram | 005010.01 |

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SCREWDRIVER SLOT IN SHAFT



(1) 1/2-14 NPT (PLUGGED)



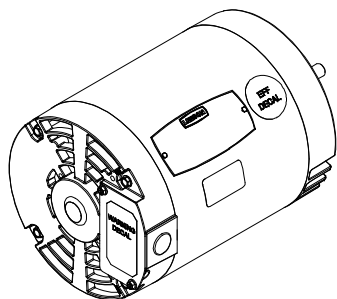
(4) 3/8-16 UNC - 2B X .56 [14.22] DEEP ON A Ø5.875 [149.225] B.C.

7/16-20 UNF-2A R.H. THREAD ECCENTRICITY OF THREADED PORTION OF SHAFT IS HELD WITHIN .004 [.102] T.I.R. WITH INDICATOR ON O.D. OF GROUND RING GAGE BEING STATIONARY WITH RESPECT TO THE MOTOR.

| DASH NO. | "C" | "AD" |
|----------|----------------|---------------|
| 600 | 11.34 [288.04] | 7.94 [201.78] |
| 650 | 11.84 [300.74] | 8.44 [214.38] |
| 700 | 12.34 [313.44] | 8.94 [227.08] |
| 750 | 12.84 [326.14] | 9.44 [239.78] |

NOTES:

- 1) FLINGER ON SHAFT.
- 2) STAINLESS STEEL SHAFT EXTENSION.
- 3) MAXIMUM FACE RUNOUT TO BE .004 [.102] T.I.R.
- 4) MAXIMUM PILOT ECCENTRICITY .004 [.102] T.I.R.



| | | |
|---|-----------------------|--------------------|
| DRAWING REVISION E | REVISION BY T AHER | DATE 12/22/2017 |
| ECO ECO-0143018 | APPROVED BY PK | DATE 04/10/2018 |
| ECO DESCRIPTION OUTLINE CONVERSION PROJECT | | |
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| | | |
|--|---------|-----------|
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | |
| DEC. | INCH | mm |
| .X | ±0.1 | [±2.5] |
| .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: 200 $\sqrt{\text{mm}}$ 5.1 $\sqrt{\text{INCH}}$ | | |
| mm SHOWN IN [BRACKETS] | | |

| | |
|---------------------|------------------------|
| DRAWN BY RLW | DATE 06/16/2003 |
| APPROVED BY | DATE |
| REFERENCE 028540 | THIRD ANGLE PROJECTION |

| | |
|---|--------------------------|
| Regal Beloit America, Inc. | |
| DESCRIPTION OUTLINE 56 FRAME, DRIP PROOF - "C" FACE | |
| MATERIAL | PROCESS/FINISH |
| SIZE B | DRAWING NUMBER 028540 |
| SHEET 1 OF 1 | |

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 | | | |
| 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 | 04/12/02 | | CAD FILE | 00501001 | | SIZE | DRAWING NO. | REV. |
| | | | | DIST | BRF-NLV | | | | A | 005010-01 | | A |



| Motor Load Data | | | | | | LR | |
|-----------------|------|------|------|------|------|------|------|
| Load | 0% | 25% | 50% | 75% | 100% | 115% | 125% |
| Current (Amps) | 1.00 | 1.09 | 1.35 | 1.65 | 2.03 | 2.24 | 2.45 |
| Torque (ft-lb) | 0.00 | 0.60 | 1.13 | 1.69 | 2.25 | 2.53 | 2.81 |
| RPM | 3600 | 3572 | 3540 | 3512 | 3480 | 3466 | 3444 |
| Efficiency (%) | | 79.5 | 80.6 | 81.9 | 81.9 | 82.4 | 82.8 |
| P.F. (%) | 14.8 | 44.1 | 65.5 | 78.4 | 84.0 | 84.6 | 85.2 |

| Motor Speed Data | | | | | | Information Block | | | | | | | | | | | | | | | | | | | | | |
|------------------|------|---------|------|-------|------|-------------------|-----------|-------|-----------|--------------|---------------------|-----------|--------|----------------|----------------|----------------|------|---------|-----------|-----------------------------|------------|---------------------|------------|-------------|------------|----------------------------|--|
| | LR | Pull-Up | BD | Rated | Idle | HP | Sync. RPM | Frame | Enclosure | Construction | Voltage | Frequency | Design | LR Code letter | Service Factor | Temp Rise @ FL | Duty | Ambient | Elevation | Rotor/Shaft wk ² | Ref Wdg | Sound Pressure @ 1M | VFD Rating | Outline Dwg | Conn. Diag | Additional Specifications: | |
| Speed (RPM) | 0 | 400 | 2400 | 3480 | 3600 | 1.5 | 3600 | 140 | DP | NA | 208-230/460#190/380 | 60 | B | K | 1.15 | 0 | CONT | 40 | 1,000 | 0.05 | T632162 DR | 0 | NONE | 028540-600 | 005010.01 | | |
| Current (Amps) | 15.0 | 13.8 | 9.0 | 2.03 | 1.00 | | | | | | | | | | | | | | | | | | | | | | |
| Torque (ft-lb) | 6.4 | 6.0 | 8.1 | 2.25 | 0.00 | | | | | | | | | | | | | | | | | | | | | | |

