

PRODUCT INFORMATION PACKET



Model No: C6T11NK4A

Catalog No: 191414.00

.5HP..1140/950RPM.56.TENV.208-230/460V.3PH.60/50HZ.CONT.NOT.40C.1.15/1.15SF.RIGID
C.GENERAL PURPOSE.C6T11NK4A

Paint Free



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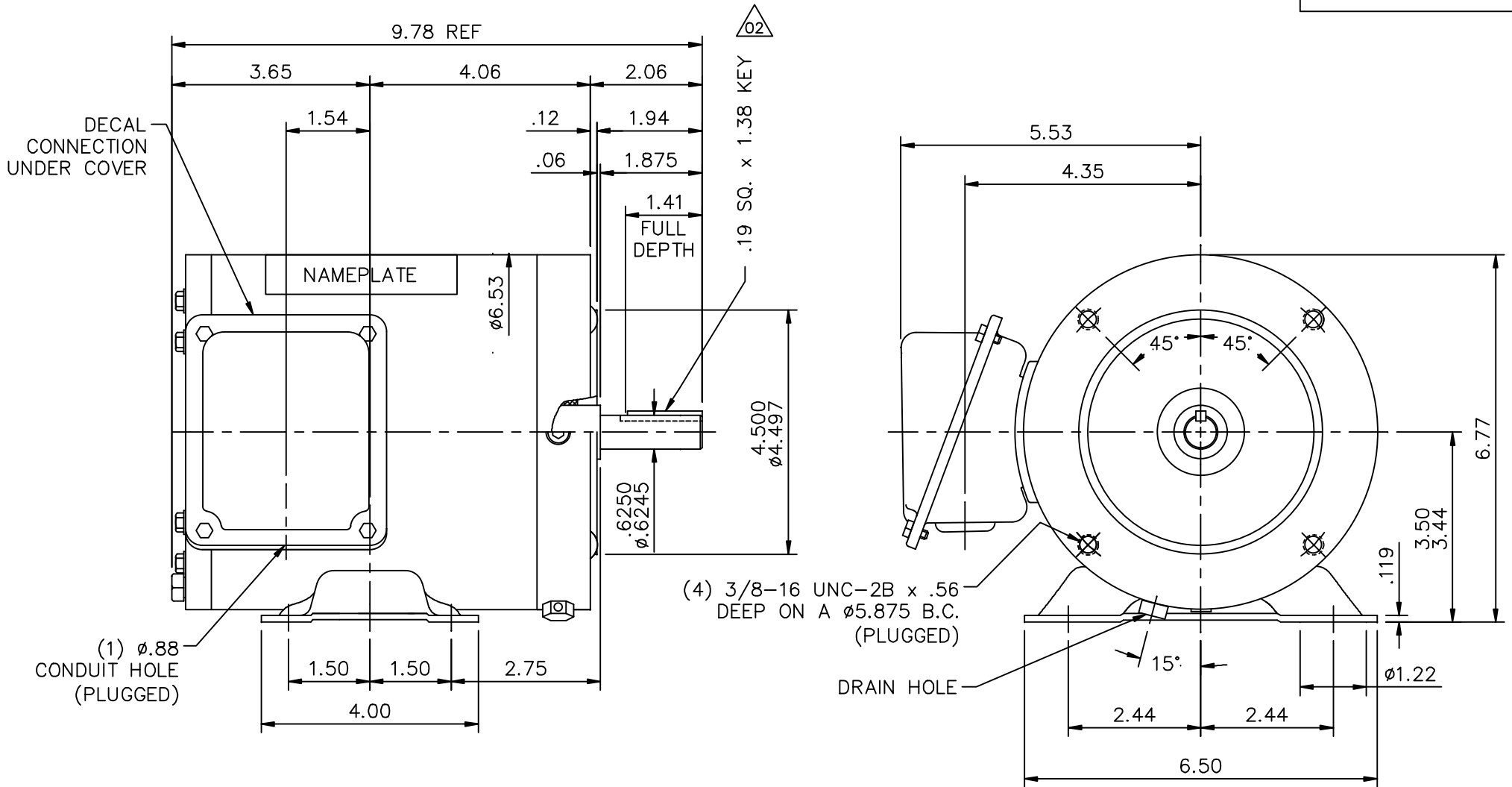
Nameplate Specifications

| | | | |
|----------------------------|--|------------------------|----------------------|
| Output HP | 0.50 Hp | Output KW | 0.37 kW |
| Frequency | 60 Hz | Voltage | 208-230/460 V |
| Current | 2.1-2.0/1.0 A | Speed | 1140 rpm |
| Service Factor | 1.15 | Phase | 3 |
| Efficiency | 80 % | Duty | Continuous |
| Insulation Class | F | Design Code | B |
| KVA Code | K | Frame | 56C |
| Enclosure | Totally Enclosed Non Ventilated | Overload Protector | No |
| Ambient Temperature | 40 °C | Drive End Bearing Size | 6205 |
| Opp Drive End Bearing Size | 6205 | UL | Recognized |
| CSA | Y | CE | Y |
| IP Code | 55 | | |

Technical Specifications

| | | | |
|-----------------------|------------------------------------|-----------------------|------------------------|
| Electrical Type | Squirrel Cage Induction Run | Starting Method | Across The Line |
| Poles | 6 | Rotation | Reversible |
| Mounting | Rigid base | Motor Orientation | HORIZONTAL |
| Drive End Bearing | BALL | Opp Drive End Bearing | BALL |
| Frame Material | Stainless Steel | Shaft Type | NEMA 56 |
| Overall Length | 9.78 in | Frame Length | 6.00 in |
| Shaft Diameter | 0.625 in | Shaft Extension | 1.88 in |
| Assembly/Box Mounting | F1 ONLY | | |
| Outline Drawing | 16992900 | Connection Diagram | 005010.01 |

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MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
 MAXIMUM PILOT ECCENTRICITY .004 T.I.R.
 PERMISSIBLE SHAFT RUNOUT .002 T.I.R.

GASKETS THROUGHOUT

| | | | | | | | | | |
|--|---|--------------|------|-----------------------------|--------|---|---|--------------|------|
| | | | | TOLERANCES UNLESS SPECIFIED | | LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES | DRAWN | MGM 04/10/03 | |
| | | | | DEC. | INCHES | | CHK | RDW 04/10/03 | |
| | | | | .X | ±.1 | TITLE | APPD | | |
| | | | | .XX | ±.03 | | SCALE | 3=8 | |
| 02 | UPDATED SHAFT EXT DIMS | RDW 4/26/04 | SW | .XXX | ±.005 | | OUTLINE - 56C FRAME TENV - RIGID "C" | REF | |
| 01 | CONDUIT HOLE WAS 1/2-14 NPT, DIM .157 WAS .12 | SW 10/7/2003 | RDW | .XXXX | ±.0005 | MAT'L. | 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 | CAD FILE | | 16992900 | SIZE | DRAWING NO. | REV. |
| | | | DIST | | | | A | 169929.00 | 01 |

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 | | | |
| NO. | REVISION | BY & DATE | CHK | ANG | ±1/2" | FINISH | | PREV | | | |
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| | | | | DIST | BRF-NLV | | | A | 005010-01 | A | |



| Motor Load Data | | | | | | |
|-----------------|-------|------|------|------|------|-------|
| Load | 0% | 25% | 50% | 75% | 100% | LR |
| Current (Amps) | 0.70 | 0.73 | 0.78 | 0.86 | 0.97 | 5.6 |
| Torque (ft-lb) | 0.00 | 142 | 285 | 430 | 578 | 1,429 |
| RPM | 1200 | 1190 | 1182 | 1174 | 1164 | 0 |
| Efficiency (%) | | 59.9 | 72.4 | 77.7 | 79.2 | 80.5 |
| P.F. (%) | 107.6 | 27.0 | 41.5 | 52.7 | 60.9 | 67.4 |

| Motor Speed Data | | | | | |
|------------------|-------|---------|-------|-------|------|
| | LR | Pull-Up | BD | Rated | Idle |
| Speed (RPM) | 0 | 100 | 864 | 1164 | 1200 |
| Current (Amps) | 5.6 | 5.2 | 3.4 | 0.97 | 0.70 |
| Torque (ft-lb) | 1,429 | 1,421 | 2,128 | 578 | 0.00 |

Efficiency (%) P.F. (%) Current (Amps)

| Information Block | Value | Unit |
|-----------------------------|---------------------|--------------------|
| HP | 0.5 | |
| Sync. RPM | 1200 | |
| Frame | 56 | |
| Enclosure | TENV | |
| Construction | NA | |
| Voltage | 208-230/460#190/380 | V |
| Frequency | 60 | Hz |
| Design | B | |
| LR Code letter | K | |
| Service Factor | 1.15 | |
| Temp Rise @ FL | 76 | °C |
| Duty | CONT | |
| Ambient | 40 | °C |
| Elevation | 1,000 | feet |
| Rotor/Shaft wk ² | 0.08 | Lb-Ft ² |
| Ref Wdg | QT6363 | NR |
| Sound Pressure @ 1M | 54 | dB(A) |
| VFD Rating | NONE | |
| Outline Dwg | 16992900 | |
| Conn. Diag | 005010.01 | |
| Additional Specifications: | | |
| 0 | | |
| EQUIV CKT (OHMS / PHASE) | | |
| R1 | R2 | X1 |
| 0.0000 | 0.0000 | 0.0000 |
| X2 | Xm | |
| 0.0000 | 0.0000 | |

