

PRODUCT INFORMATION PACKET



Model No: 194183.00

Catalog No: 194183.00

Other Purpose Motor, 60 & 50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM,
364T Frame, TEFC



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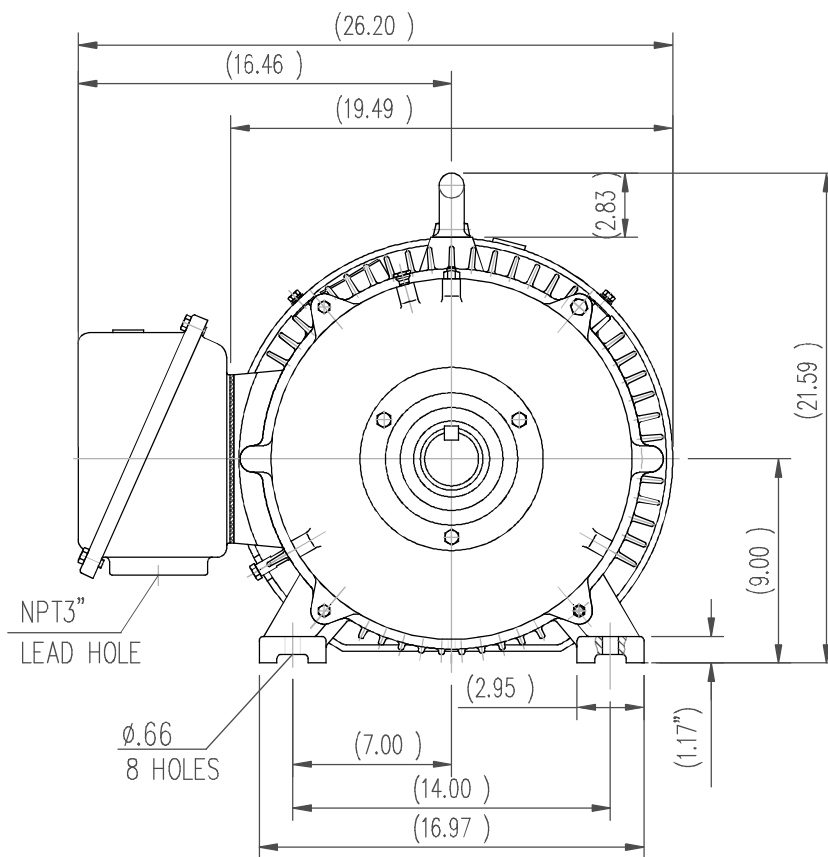



Nameplate Specifications

| | | | |
|------------------------|-------------------|----------------------------|-----------------------------|
| Phase | 3 | Output HP | 60 & 50 Hp |
| Output KW | 45.0 & 37.0 kW | Voltage | 230/460 & 190/380 V |
| Speed | 1785 & 1483 rpm | Service Factor | 1.15 & 1.15 |
| Frame | 364T | Enclosure | Totally Enclosed Fan Cooled |
| Thermal Protection | No Protection | Efficiency | 95 & 94.5 % |
| Ambient Temperature | 40 °C | Frequency | 60 & 50 Hz |
| Current | 138/69 & 138/69 A | Power Factor | 86 |
| Duty | Continuous | Insulation Class | F |
| Design Code | C | KVA Code | G |
| Drive End Bearing Size | NU314 | Opp Drive End Bearing Size | 6313 |
| UL | Recognized | CSA | Y |
| CE | N | IP Code | 55 |
| Number of Speeds | 1 | | |

Technical Specifications

| | | | |
|-----------------------|------------------------------|-----------------------|------------------|
| Electrical Type | Squirrel Cage Inverter Rated | Starting Method | Line Or Inverter |
| Poles | 4 | Rotation | Reversible |
| Resistance Main | .082 Ohms | Mounting | Rigid Base |
| Motor Orientation | Horizontal | Drive End Bearing | Roller |
| Opp Drive End Bearing | Ball | Frame Material | Cast Iron |
| Shaft Type | T | Overall Length | 36.61 in |
| Frame Length | 18.50 in | Shaft Diameter | 2.375 in |
| Shaft Extension | 5.88 in | Assembly/Box Mounting | F1/F2 CAPABLE |
| Inverter Load | CONSTANT 20:1 | | |
| Connection Drawing | A-EE7300CB-LE | Outline Drawing | SS620611-364T |



| | | | | | | | | | |
|--|----------|-----------|-----|-------|--------------------------------|--|--------------------------------------|-------------------------|---------------|
| | | | | | TOLERANCES UNLESS SPECIFIED |  REGAL-BELOIT CORPORATION | | DRAWN | ZOU 7.17.2012 |
| | | | | DEC. | INCHES | | | CHK | |
| | | | | .X | ±.1 | | | APPD | |
| | | | | .XX | ±.03 | TITLE | OUTLINE 364/365T TEFC-SEVERE DUTY | SCALE | 1=1 |
| | | | | .XXX | ±.005 | | | REF | |
| | | | | .XXXX | ±.0005 | MAT'L | | FMF | |
| NO. | REVISION | BY & DATE | CHK | ANG | ±1/2 | FINISH | | PREV | |
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| | | | | DISP | | | | | |

T12 _____
 T1 _____
 T6 _____
 T7 _____

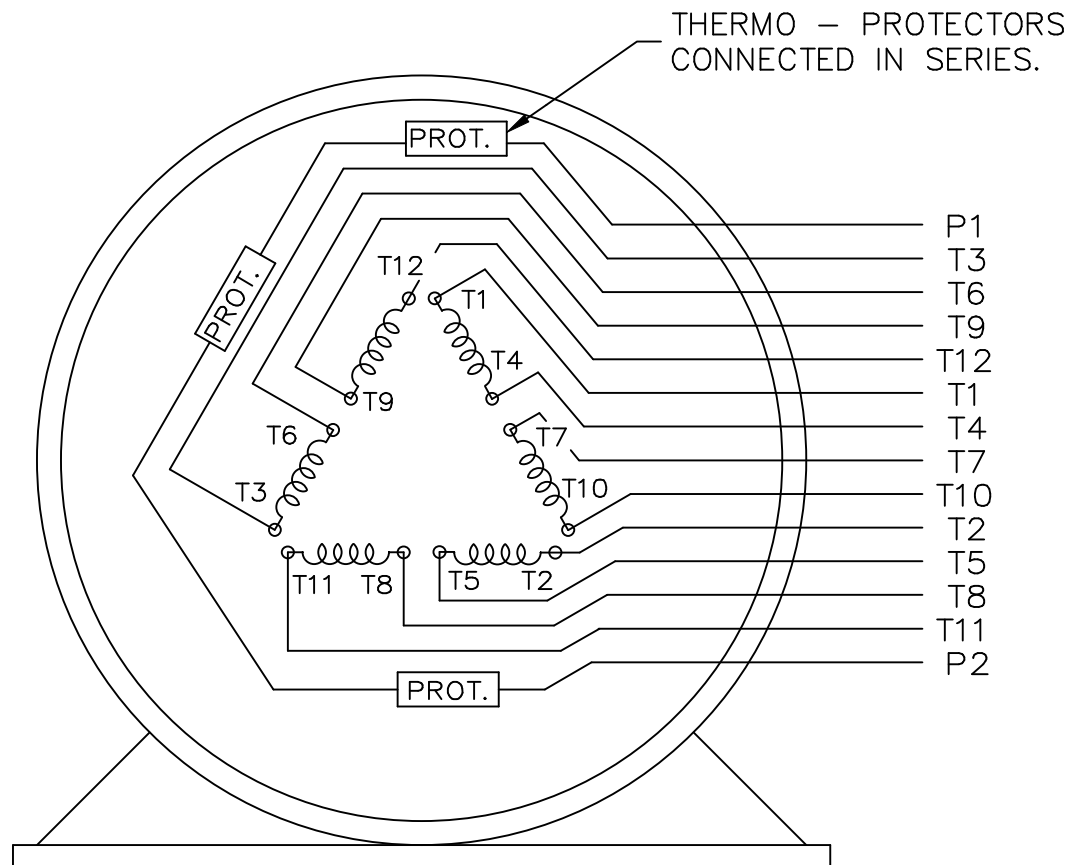
LINE 1

T2 _____
 T4 _____
 T8 _____
 T10 _____


LINE 2

T3 _____
 T5 _____
 T9 _____
 T11 _____

LINE 3



VIEW OF TERMINAL END

| | | | | TOLERANCES UNLESS SPECIFIED | |  ELECTRIC MOTORS GEARMOTORS AND DRIVES | DRAWN KL 02-27-2003 | | |
|--|-------------|-----------|---------------|--------------------------------|----------------------|---|---------------------|------|---------------------|
| | | | | DEC. | INCHES | | CHK | GFH | 03-03-2003 |
| | | | | .X | ± - | | APPD | JES | 03-03-2003 |
| | | | | .XX | ± - | | SCALE 1=1 | | |
| | | | | .XXX | ± - | | REF | | |
| 1 | NEW DRAWING | MU45634 | KL 03-03-2003 | .XXXX | ± - | TITLE CONNECTION DIAGRAM - EXTERNAL 12 LEAD SINGLE VOLTAGE | | | FMF |
| NO. | REVISION | BY & DATE | CHK | ANG | ± - | FINISH | | | PREV |
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| | | | | DIST | WA-LE-SB | | | A | EE7300CB-LE 1 |

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OFFENDING COMMAND: Pscript_WinNT_Co
STACK:



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

CATALOG #: 194183.00

CONN. DIAGRAM: A-EE7300CB-LE

OUTLINE: SS620611

MOUNTING: F1/F2 CAPABLE

WINDING #: CHT36440004 1

TYPICAL MOTOR PERFORMANCE DATA

| HP | kW | SYNC. RPM | F.L. RPM | FRAME | ENCLOSURE | KVA CODE | DESIGN |
|-------|-----------|-----------|-----------|-------|-----------|----------|--------|
| 60&50 | 45.0&37.0 | 1800 | 1785&1483 | 364T | TEFC | G | C |

| PH | Hz | VOLTS | AMPS | START TYPE | DUTY | INSL | S.F. | AMB°C |
|----|-------|-----------------|---------------|------------------|------------|------|-----------|-------|
| 3 | 60/50 | 230/460&190/380 | 138/69&138/69 | LINE OR INVERTER | CONTINUOUS | F1 | 1.15/1.15 | 40 |

| | | | | | | | | |
|-----------------------|---------|----------------------|----|----------------------|------|-----------------|--|-------------------|
| FULL LOAD EFF: | 95&94.5 | 3/4 LOAD EFF: | 95 | 1/2 LOAD EFF: | 94.5 | GTD. EFF | | ELEC. TYPE |
| FULL LOAD PF: | 86&87 | 3/4 LOAD PF: | 83 | 1/2 LOAD PF: | 76 | 94.1 | | SQ CAGE INV RATED |

| F.L. TORQUE | LOCKED ROTOR AMPS | L.R. TORQUE | B.D. TORQUE | F.L. RISE°C |
|-------------|-------------------|-----------------|-----------------|-------------|
| 177 LB-FT | 870 / 435 | 375 LB-FT 210 % | 450 LB-FT 250 % | 75 |

| SOUND PRESSURE @ 3 FT. | SOUND POWER | ROTOR WK^2 | MAX. WK^2 | SAFE STALL TIME | STARTS / HOUR | APPROX. MOTOR WGT |
|------------------------|-------------|--------------|-----------|-----------------|---------------|-------------------|
| 75 dBA | 85 dBA | 16.8 LB-FT^2 | - LB-FT^2 | 25 SEC. | 2 | 925 LBS. |

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

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

| BEARINGS | | GREASE | SHAFT TYPE | SPECIAL DE | SPECIAL ODE | SHAFT MATERIAL | FRAME MATERIAL |
|----------|------|------------|------------|------------|-------------|--------------------------|----------------|
| DE | ODE | | | | | | |
| ROLLER | BALL | POLYREX EM | T | NONE | NONE | 4140 STRESSPROOF (C-214) | CAST IRON |
| NU314 | 6313 | | | | | | |

| THERMO-PROTECTORS | | | | THERMISTORS | CONTROL | SPACE HEATERS |
|-------------------|------------|----------|----------|-------------|---------|---------------|
| THERMOSTATS | PROTECTORS | WDG RTDs | BRG RTDs | | | |
| TSTATS (N/C) | NOT | NONE | NONE | NONE | FALSE | NONE VOLTS |

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INVERTER TORQUE: CONSTANT 20:1

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

Data Sheet

Date: 1/19/2018

194183.00



Data @ 460 V

Motor Load Data

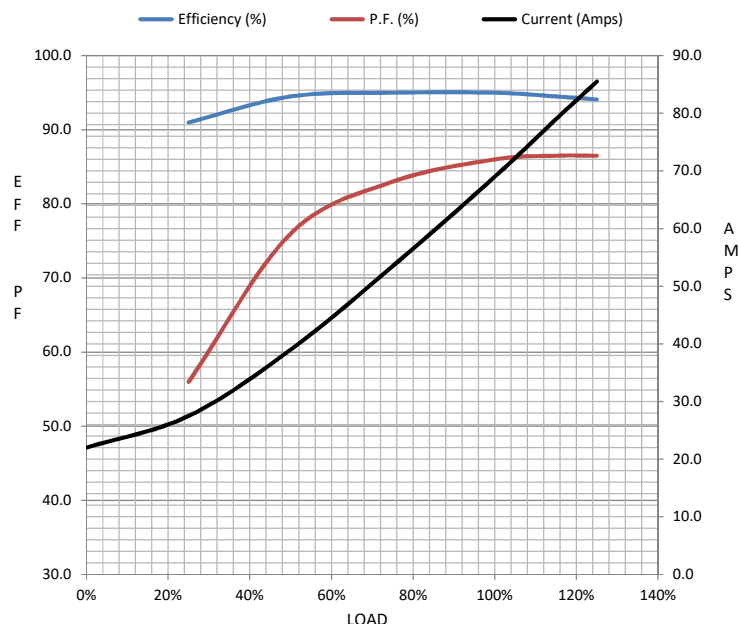
| Load | 0% | 25% | 50% | 75% | 100% | 115% | 125% | LR | |
|----------------|------|------|------|------|------|------|------|------|--|
| Current (Amps) | 22.0 | 27.5 | 39.0 | 53.5 | 69.0 | 79.0 | 85.5 | 435 | |
| Torque (ft-lb) | 0.00 | 44.0 | 88.0 | 132 | 177 | 204 | 222 | 375 | |
| RPM | 1800 | 1795 | 1792 | 1788 | 1785 | 1780 | 1778 | 0 | |
| Efficiency (%) | | 91.0 | 94.5 | 95.0 | 95.0 | 94.5 | 94.1 | | |
| P.F. (%) | 3.5 | 56.0 | 76.0 | 83.0 | 86.0 | 86.5 | 86.5 | 36.0 | |

Motor Speed Data

| | LR | Pull-Up | BD | Rated | Idle |
|----------------|-----|---------|------|-------|------|
| Speed (RPM) | 0 | 900 | 1715 | 1785 | 1800 |
| Current (Amps) | 435 | 375 | 250 | 69.0 | 22.0 |
| Torque (ft-lb) | 375 | 300 | 450 | 177 | 0.00 |

Information Block

| | | | | |
|----------------------------|-------------------|--------|--------|---------|
| HP | 60.0 | | | |
| Sync. RPM | 1800 | | | |
| Frame | 364 | | | |
| Enclosure | TEFC | | | |
| Construction | TFC | | | |
| Voltage | 230/460#190/380 V | | | |
| Frequency | 60 Hz | | | |
| Design | A | | | |
| LR Code letter | G | | | |
| Service Factor | 1.15 | | | |
| Temp Rise @ FL | 65 °C | | | |
| Duty | CONT | | | |
| Ambient | 40 °C | | | |
| Elevation | 1,000 feet | | | |
| Rotor/Shaft wk² | 16.8 Lb-Ft² | | | |
| Ref Wdg | CHT36440004 NONE | | | |
| Sound Pressure @ 1M | 75 dBA | | | |
| VFD Rating | CONSTANT 20:1 | | | |
| Outline Dwg | SS620611 | | | |
| Conn. Diag | A-EE7300CB-LE | | | |
| Additional Specifications: | | | | |
| 0 | | | | |
| 0 | | | | |
| EQUIV CKT (OHMS / PHASE) | | | | |
| R1 | R2 | X1 | X2 | Xm |
| 0.0570 | 0.0360 | 0.3570 | 0.4990 | 11.8490 |



Speed - Torque Curve

