PRODUCT INFORMATION PACKET

Model No: 810140.00 Catalog No: 810140.00 Encoder Motors, TENV, 10 HP, 3 Ph, 60 Hz, 230/460 V, 1775 RPM, 215TC Frame



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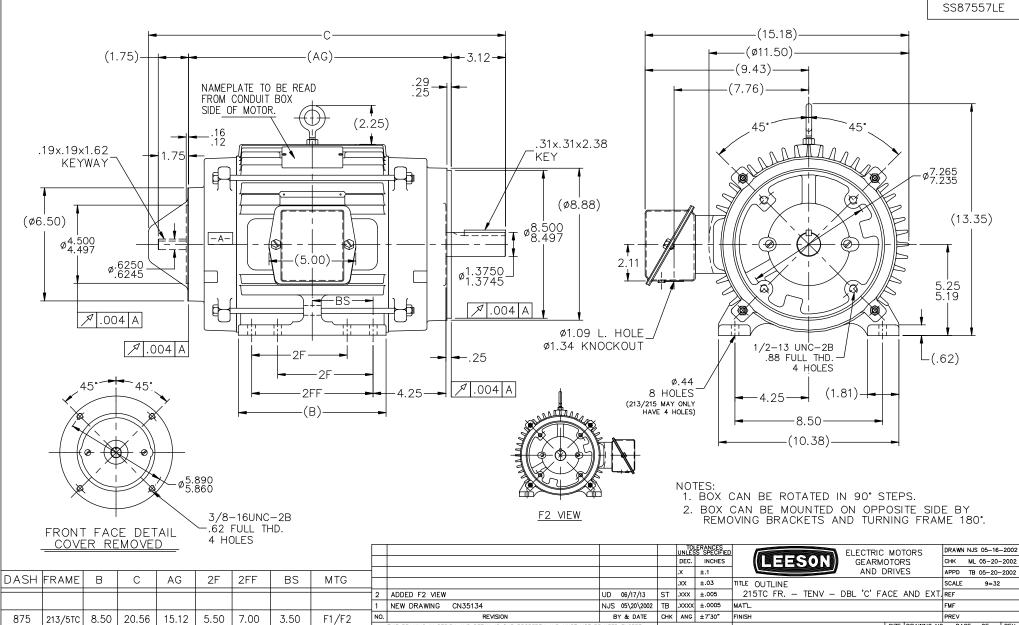
Nameplate Specifications

| Output HP | 10 Hp | Output KW | 7.5 kW |
|------------------------|---------------|----------------------------|---------------------------------|
| Frequency | 60 Hz | Voltage | 230/460 V |
| Current | 26.0/13.0 A | Speed | 1775 rpm |
| Service Factor | 1 | Phase | 3 |
| Efficiency | 91 % | Power Factor | 78 |
| Duty | Continuous | Insulation Class | Н |
| Design Code | INV | KVA Code | L |
| Frame | 215TC | Enclosure | Totally Enclosed Non Ventilated |
| Thermal Protection | No Protection | Ambient Temperature | 40 °C |
| Drive End Bearing Size | 309 | Opp Drive End Bearing Size | 207 |
| UL | Recognized | CSA | Y |
| CE | Ν | IP Code | 43 |
| Number of Speeds | 1 | | |

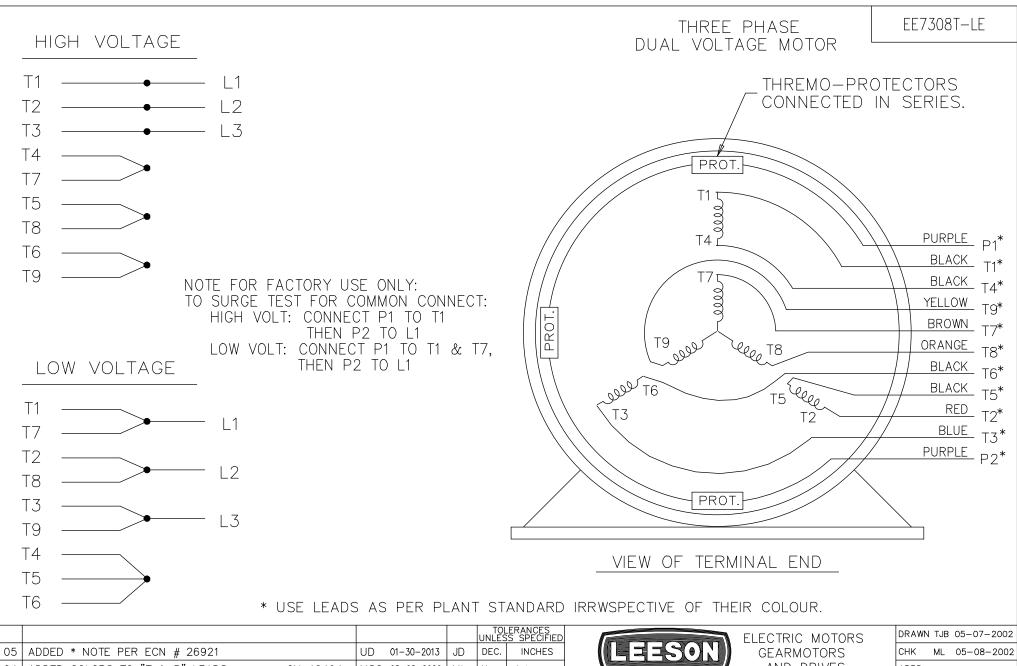
Technical Specifications

| Electrical Type | Squirrel Cage Inverter Duty | Starting Method | Inverter Only |
|-----------------------|-----------------------------|-----------------------|---------------|
| Poles | 4 | Rotation | Reversible |
| Resistance Main | .56 Ohms | Mounting | Rigid Base |
| Motor Orientation | Horizontal | Drive End Bearing | Ball |
| Opp Drive End Bearing | Ball | Frame Material | Cast Iron |
| Shaft Type | т | Overall Length | 21.81 in |
| Frame Length | 10.00 in | Shaft Diameter | 1.375 in |
| Shaft Extension | 3.38 in | Assembly/Box Mounting | F1/F2 CAPABLE |
| Outline Drawing | B-SS87557LE-1000 | Connection Drawing | A-EE7308T-LE |

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| | | | | | | | | | | | 1403 03 (20 (2002 | | 1.vvv | 1 | | | | | T MI | | |
|------|---------|------|-------|-------|------|------|------|-------|-----|---|-------------------|------|-------|--------|----------|----------------|------|------------|---------|----|------|
| 875 | 213/5TC | 8.50 | 20.56 | 15.12 | 5.50 | 7.00 | 3.50 | F1/F2 | NO. | REVISION | BY & DATE | СНК | ANG | ±7'3 | 30" FINI | SH | | | PREV | | |
| | , | | | | | 0.05 | 4.10 | | - | THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BI | | RFP | 05 | i-20-2 | 2002 CAD | FILE SS87557LE | SIZE | DRAWING NO | D. PAGE | OF | REV. |
| 1000 | 215TC | 9.75 | 21.81 | 16.37 | 7.00 | 8.25 | 4.12 | F1/F2 | | THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE | | DIST | LB | | | | ΠВ | SS8 | 37557L | .E | 2 |
| | | | | | | | | | | | | | | | | | | | | | |



| | " | | | | | | | |
|---|--|----------------|------|-------|--------|------------------------------------|----------------|-------|
| 0 | ADDED COLORS TO "T & P" LEADS CN 40494 | MSG 08-08-2006 | ML | .х | ±.1 | AND DRIVES | APPD TB 05-08- | -2002 |
| 0 | 03 RE-ISSUE | NJS 04-21-2004 | JET | .xx | ±.02 | TITLE CONNECTION DIAGRAM | SCALE 1=1 | |
| 0 | 2 REDRAWN | TAT 04-20-2004 | ML | .xxx | ±.005 | 3 PHASE – DUAL VOLTAGE MOTOR | REF | |
| 0 | 1 NEW DRAWING CN 34708 | TJB 05-08-2002 | ML | .xxxx | ±.0005 | MAT'L. | FMF | |
| N | 0. REVISION | BY & DATE | СНК | ANG | ±7'30" | FINISH | PREV | |
| | THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE | | RFP | | | CAD FILE EE7308T_LE SIZE DRAWING N | | REV. |
| | IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION AF THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE T | | DIST | LB– | WP-LE | A EE7 | 7308T-LE | 05 |
| | | | | | | | | |

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CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: A-EE7308T-LE

MOUNTING: F1/F2 CAPABLE

CATALOG #:810140.00

OUTLINE: B-SS87557LE-1000 **WINDING #:** K2154321 1

TYPICAL MOTOR PERFORMANCE DATA

| HP | kW | SYNC. RPM | F.L. RPM | FRAME | ENCLOSURE | KVA CODE | DESIGN |
|----|------|-----------|----------|-------|-----------|----------|--------|
| 10 | 7.46 | 1800 | 1775 | 215TC | TENV | L | INV |

| РН | Hz | VOLTS | AMPS | START TYPE | DUTY | INSL | S.F. | AMB°C |
|----|----|---------|-------|---------------|------------|------|------|-------|
| 3 | 60 | 230/460 | 26/13 | INVERTER ONLY | CONTINUOUS | H4 | 1.0 | 40 |

| FULL LOAD EFF: | 91 | 3/4 LOAD EFF: | 91 | 1/2 LOAD EFF: | 89.5 | GTD. EFF | ELEC. TYPE |
|----------------|----|---------------|----|---------------|------|----------|------------------|
| FULL LOAD PF: | 78 | 3/4 LOAD PF: | 72 | 1/2 LOAD PF: | 60.5 | 89.5 | SQ CAGE INV DUTY |

| F.L. TORQUE | LOCKED ROTOR AMPS | L.R. TORQUE | B.D. TORQUE | F.L. RISE°C |
|--------------------|-------------------|-------------------------|------------------------|-------------|
| 29.6 L B-FT | 230 / 115 | 93.5 LB-FT 316 % | 119 LB-FT 402 % | 85 |

| SOUND PRESSURE @ 3 FT. | SOUND POWER | ROTOR WK^2 | MAX, WK^2 | SAFE STALL TIME | STARTS / HOUR | APPROX. MOTOR WGT |
|---------------------------|---------------|-------------|-----------|-----------------|------------------|----------------------|
| 62 dBA | 72 dBA | 1.4 LB-FT^2 | - LB-FT^2 | - SEC. | - | 240 LBS. |

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

| DE BRACKET TYPE | ODE BRACKET TYPE | MOUNT TYPE | ORIENTATION | SEVERE DUTY | | DRIP COVER | SCREENS | PAINT |
|--------------------|---------------------|---------------|-------------|----------------|------|---------------|---------|------------------------|
| C-FACE | ENCODER | RIGID | HORIZONTAL | FALSE | NONE | FALSE | NONE | BLUE - LEESON (ENAMEL) |

| BEAR | INGS | CREASE | | SPECIAL DE | | SHAFT | FRAME |
|------|------|------------|------------|------------|-------------|-------------------------|-----------|
| DE | ODE | GREASE | SHAFT TYPE | SPECIAL DE | SPECIAL ODE | MATERIAL | MATERIAL |
| BALL | BALL | POLYREX EM | F | NONE | NONE | | |
| 309 | 207 | POLIKEX EM | | NONE | NONE | 1045 HOT ROLLED (C-204) | CAST IRON |

| | | THERMO-PROTECT | ORS | | TUERMICTOR | CONTROL | CDACE I | IFATERC |
|---|--------------|----------------|----------|----------|--------------------------------------|-------------|---------|---------|
| | THERMOSTATS | PROTECTORS | WDG RTDs | BRG RTDs | THERMISTORS | CONTROL | SPACE | HEATERS |
| | TSTATS (N/C) | NOT | NONE | NONE | NONE | FALSE | NONE | VOLTS |
| * | | | | | NVERTER TORQUE: NV. HP SPEED RANG | | | |
| Ν | | | | E | NCODER: PROVISIC | NS ONLY | | |
| 0 | | | | | IORTHSTAR IONE NONE | ST56 PPR | | |
| т | | | | E | RAKE: NONE | NONE | | |
| Е | | | | | NONE P/N NON | | | |
| s | | | | | FT-LB NONE | / NONE | Hz | |

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