

**CERTIFICATION DATA SHEET**

**Model#:** 143THEN8034 CB  
**CONN. DIAGRAM:** A-EE7308T  
**OUTLINE:** B-104881-750

**WINDING#:** ZT492 F 3  
**ASSEMBLY:** F1/F2 CAPABLE

**TYPICAL MOTOR PERFORMANCE DATA**

| HP | KW   | SYNC. RPM | F.L. RPM | FRAME | ENCLOSURE | KVA CODE | DESIGN |
|----|------|-----------|----------|-------|-----------|----------|--------|
| 1  | 0.75 | 1800      | 1756     | 143TC | EPNV      | M        | INV    |

| PH | Hz | VOLTS   | FL AMPS | START TYPE    | DUTY       | INSL | S.F | AMB°C | ELEVATION |
|----|----|---------|---------|---------------|------------|------|-----|-------|-----------|
| 3  | 60 | 230/460 | 3/1.5   | INVERTER ONLY | CONTINUOUS | F3   | 1.0 | 40    | 3300      |

| FULL LOAD EFF: 85.5 | 3/4 LOAD EFF: 86.5 | 1/2 LOAD EFF: 85.5 | GTD. EFF | ELEC. TYPE       | NO LOAD AMPS |
|---------------------|--------------------|--------------------|----------|------------------|--------------|
| FULL LOAD PF: 72    | 3/4 LOAD PF: 67    | 1/2 LOAD PF: 53.5  | 82.5     | SQ CAGE INV DUTY | 1.7 / .9     |

| F.L. TORQUE | LOCKED ROTOR AMPS | L.R. TORQUE    | B.D. TORQUE  | F.L. RISE°C |
|-------------|-------------------|----------------|--------------|-------------|
| 3 LB-FT     | 27 / 13.5         | 10.8 LB-FT 360 | 14 LB-FT 467 | 40          |

| SOUND PRESSURE @ 3 FT. | SOUND POWER | ROTOR WK^2  | MAX. WK^2 | SAFE STALL TIME | STARTS / HOUR | APPROX. MOTOR WGT |
|------------------------|-------------|-------------|-----------|-----------------|---------------|-------------------|
| 62 dBA                 | 72 dBA      | 0.1 LB-FT^2 | 0 LB-FT^2 | 10 SEC.         | 0             | 55 LBS.           |

**EQUIVALENT WYE CKT.PARAMETERS (OHMS PER PHASE)**

| R1    | R2     | X1     | X2     | XM     |
|-------|--------|--------|--------|--------|
| 8.094 | 5.4812 | 11.644 | 10.366 | 301.04 |

| RM    | ZREF | XR  | TD     | TD0  |
|-------|------|-----|--------|------|
| 12070 | 284  | 1.7 | 0.0075 | 0.15 |

**\*\*\* SUPPLEMENTAL INFORMATION \*\*\***

| DE BRACKET TYPE | ODE BRACKET TYPE | MOUNT TYPE | ORIENTATION | SEVERE DUTY | HAZARDOUS LOCATION                     | DRIP COVER | SCREENS | PAINT         |
|-----------------|------------------|------------|-------------|-------------|--|------------|---------|---------------|
| C-FACE          | ENCODER          | RIGID      | HORIZONTAL  | TRUE        | EXP PROOF CL I GR C&D CL II GR F&G T3C | FALSE      | NONE    | BLUE (POWDER) |

| BEARINGS |      | GREASE     | SHAFT TYPE | SPECIAL DE | SPECIAL ODE | SHAFT MATERIAL           | FRAME MATERIAL |
|----------|------|------------|------------|------------|-------------|--------------------------|----------------|
| DE       | OPE  |            |            |            |             |                          |                |
| BALL     | BALL | POLYREX EM | T          | NONE       | NONE        | 1144 STRESSPROOF (C-223) | CAST IRON      |
| 6205     | 6205 |            |            |            |             |                          |                |

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

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|---|
| INVERTER TORQUE: CONSTANT 2000:1<br>INV. HP SPEED RANGE: 2.0 X BASE SPEED |
| ENCODER: REGAL SUPPLIED - REGAL MOUNT<br>BEI H38<br>NPS HOLE 1024 PPR     |
| BRAKE: NONE NONE<br>NONE P/N NONE   |

|            |      |        |         |
|------------|------|--------|---------|
| NONE       | NONE |        |         |
| NONE FT-LB |      | NONE V | NONE Hz |

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\*\* Subject to change without notice.