

CERTIFICATION DATA SHEET

Model#: 405THFS8046 BR
CONN. DIAGRAM: A-EE7308AD
OUTLINE: B-SS518552-1675

WINDING#: T4054115 R1 1
ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

| HP | KW | SYNC. RPM | F.L. RPM | FRAME | ENCLOSURE | KVA CODE | DESIGN |
|-----|----|-----------|----------|-------|------------|----------|--------|
| 100 | 75 | 1800 | 1785 | 405TC | TEBC-AXIAL | J | INV |

| PH | Hz | VOLTS | FL AMPS | START TYPE | DUTY | INSL | S.F | AMB°C | ELEVATION |
|----|----|---------|---------|---------------|------------|------|-----|-------|-----------|
| 3 | 60 | 230/460 | 230/115 | INVERTER ONLY | CONTINUOUS | H1 | 1.0 | 40 | 3300 |

| FULL LOAD EFF: 94.5 | 3/4 LOAD EFF: 94.1 | 1/2 LOAD EFF: 93 | GTD. EFF | ELEC. TYPE | NO LOAD AMPS |
|---------------------|--------------------|------------------|----------|------------------|--------------|
| FULL LOAD PF: 86.5 | 3/4 LOAD PF: 83 | 1/2 LOAD PF: 75 | 93 | SQ CAGE INV DUTY | 76 / 38 |

| F.L. TORQUE | LOCKED ROTOR AMPS | L.R. TORQUE | B.D. TORQUE | F.L. RISE°C |
|-------------|-------------------|---------------|---------------|-------------|
| 295 LB-FT | 1800 / 900 | 585 LB-FT 198 | 900 LB-FT 305 | 60 |

| SOUND PRESSURE @ 3 FT. | SOUND POWER | ROTOR WK^2 | MAX. WK^2 | SAFE STALL TIME | STARTS / HOUR | APPROX. MOTOR WGT |
|------------------------|-------------|------------|-----------|-----------------|---------------|-------------------|
| 85 dBA | 95 dBA | 27 LB-FT^2 | - LB-FT^2 | - SEC. | - | 1450 LBS. |

EQUIVALENT WYE CKT.PARAMETERS (OHMS PER PHASE)

| R1 | R2 | X1 | X2 | XM |
|---------|----------|----------|----------|-------|
| 0.03408 | 0.021016 | 0.236288 | 0.219248 | 6.816 |

| RM | ZREF | XR | TD | TD0 |
|--------|------|-----|--------|-------|
| 332.28 | 2.84 | 5.7 | 0.0347 | 0.895 |

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

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

| BEARINGS | | GREASE | SHAFT TYPE | SPECIAL DE | SPECIAL ODE | SHAFT MATERIAL | FRAME MATERIAL |
|----------|------|------------|------------|------------|-------------|-------------------------|----------------|
| DE | OPE | POLYREX EM | T | NONE | NONE | 1045 HOT ROLLED (C-204) | CAST IRON |
| BALL | BALL | | | | | | |
| 6316 | 6313 | | | | | | |

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

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| INVERTER TORQUE: CONSTANT 2000:1 INV. HP SPEED RANGE: 1.5 X BASE SPEED |
| ENCODER: PROVISIONS ONLY NORTHSTAR ST56 NONE NONE PPR |
| BRAKE: NONE NONE NONE P/N NONE NONE NONE NONE FT-LB NONE V NONE Hz |

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** Subject to change without notice.