

TECO Westinghouse

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|------------------------------------|--------------------------------|-------------------------------|
| ISSUED February 15, 2007 | PERFORMANCE DATA | ENCLOSURE TEFC |
| TYPE AEHH8N | 3-PHASE INDUCTION MOTOR | CATALOG# EP0504S-50 |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|-----------|-------------|----------|--------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 50 | 37.3 | 4 | 326TS | 190/380 | 50 | 40°C | F | C | CONT. | 1.0 |

TYPICAL PERFORMANCE

| FULL LOAD RPM | EFFICIENCY | | | | POWER FACTOR | | | MAXIMUM POWER FACTOR CORRECTION |
|---------------|-------------|-------------|-------------|------------|--------------|-------------|-------------|---------------------------------|
| | FULL LOAD | | 3/4 LOAD % | 1/2 LOAD % | F. L. % | 3/4 LOAD % | 1/2 LOAD % | |
| | MIN. % | NOM. % | | | | | | |
| 1470 | 92.4 | 93.6 | 94.5 | 95 | 86.5 | 87.5 | 85.5 | 9.96 KVAR |

CURRENTS

| NO LOAD | | FULL LOAD | | | LOCKED ROTOR | | | NEMA KVA CODE LETTER |
|--------------|--|--------------|---------------|----------|--------------|---------------|---------------|----------------------|
| AT | | AT | AT | AT | AT | AT | | |
| 109 VOLT | | 380 VOLT | 190 VOLT | 380 VOLT | 190 VOLT | 380 VOLT | | |
| 25.00 | | 12.50 | 140.00 | | 70.00 | 964.00 | 482.00 | G |

TORQUE

INERTIA

ACCEL TIME

| FULL LOAD lb-ft | LOCKED ROTOR %FLT | PULL UP %FLT | BREAK DOWN %FLT | ROTOR WR ² lb-ft ² | NEMA LOAD WK ² lb-ft ² | MAX ALLOWABLE WK ² lb-ft ² | NEMA LOAD WK ² Sec | MAX ALLOWABLE WK ² Sec |
|-----------------|-------------------|--------------|-----------------|--|--|--|-------------------------------|-----------------------------------|
| 178.6 | 135 | 120 | 184 | 10.123 | 361.245 | 522.8571429 | 6.46 | 9.27 |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD | HOT | COLD | HOT | 76 |
|-----------|-----------|----------|----------|----|
| 17 | 12 | 2 | 1 | |

| | | | | |
|-----------|------------------|-------------|------------------------|-------------------|
| APPROVED: | M. PRATER | DRAWING NO. | 31057EP0504S-50 | REVISION 0 |
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