

TECO Westinghouse

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|-----------------------------------|--------------------------------|------------------------------|
| ISSUED October 19, 2007 | PERFORMANCE DATA | ENCLOSURE TEFC |
| TYPE AEHH8B | 3-PHASE INDUCTION MOTOR | CATALOG# HB4506-50 |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|------------|--------------|----------|--------------|------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 450 | 335.7 | 6 | 5808B | 380 | 50 | 40°C | F | B | CONT. | 1.00 |

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. % | | | | | | |
| 987 | 94.6 | 95.4 | 95.0 | 93.2 | 87.8 | 85.8 | 81.8 | 84 KVAR |

CURRENTS

| NO LOAD | FULL LOAD | LOCKED ROTOR | NEMA KVA CODE LETTER |
|---------------|---------------|----------------|----------------------|
| AT | AT | AT | |
| 380 | 380 | 380 | |
| VOLT | VOLT | VOLT | |
| 105.00 | 609.00 | 3250.00 | 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 |
|-----------------|-------------------|--------------|-----------------|--|--|--|-------------------------------|-----------------------------------|
| | | | | | | | | |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| SAFE STALL TIME IN SECONDS | | ALLOWABLE STARTS PER HOUR | | SOUND PRESSURE LEVEL @ 3 FT dB(A) |
|----------------------------|-----------|---------------------------|----------|-----------------------------------|
| COLD | HOT | COLD | HOT | |
| 24 | 18 | 2 | 1 | 78 |

| | | | | |
|-----------|------------------|-------------|--------------------|-------------------|
| APPROVED: | M. PRATER | DRAWING NO. | 31057HB4506 | REVISION 0 |
|-----------|------------------|-------------|--------------------|-------------------|