

TECO Westinghouse

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|-----------------------------------|--------------------------------|------------------------------|
| ISSUED January 10, 2006 | PERFORMANCE DATA | ENCLOSURE TEFC |
| TYPE AEHH8B | 3-PHASE INDUCTION MOTOR | CATALOG# HB0014-50 |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|----------|------------|----------|-------------|------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 1 | 0.7 | 4 | 143T | 380 | 50 | 40°C | F | C | 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. % | | | | | | |
| 1435 | 81.5 | 84 | 85.5 | 84 | 83.5 | 76.5 | 63.5 | 1 KVAR |

CURRENTS

| NO LOAD | FULL LOAD | LOCKED ROTOR | NEMA KVA CODE LETTER |
|-------------|-------------|--------------|----------------------|
| AT | AT | AT | |
| 380 VOLT | 380 VOLT | 380 VOLT | |
| 0.82 | 1.62 | 20.00 | |

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 |
|-----------------|-------------------|--------------|-----------------|--|--|--|-------------------------------|-----------------------------------|
| 3.659 | 225 | 195 | 295 | 0.086 | 9.03667 | 36.15714286 | 4.86 | 19.30 |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD | HOT | COLD | HOT | |
|-----------|-----------|----------|----------|--|
| 40 | 28 | 2 | 1 | |

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| APPROVED: | M. PRATER | DRAWING NO. | 31057HB0014 | REVISION 0 |
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