

TECO Westinghouse

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|------------------------------------|--------------------------------|------------------------------|
| ISSUED December 16, 2005 | PERFORMANCE DATA | ENCLOSURE TEFC |
| TYPE AEHH | 3-PHASE INDUCTION MOTOR | CATALOG# HH1004-50 |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|------------|-------------|----------|-------------|------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 100 | 74.6 | 4 | 405T | 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. % | | | | | | |
| 1475 | 93.6 | 94.5 | 95.4 | 95.8 | 88.5 | 89 | 87 | 16 KVAR |

CURRENTS

| NO LOAD | FULL LOAD | LOCKED ROTOR | NEMA KVA CODE LETTER |
|--------------|---------------|---------------|----------------------|
| AT | AT | AT | |
| 380 VOLT | 380 VOLT | 380 VOLT | |
| 19.70 | 136.00 | 965.00 | |

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 |
|-----------------|-------------------|--------------|-----------------|--|--|--|-------------------------------|-----------------------------------|
| 356 | 185 | 135 | 205 | 26.637 | 687.415 | 1087.142857 | 5.31 | 8.29 |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD | HOT | COLD | HOT | 82 |
|-----------|-----------|----------|----------|----|
| 17 | 12 | 2 | 1 | |

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| APPROVED: | M. PRATER | DRAWING NO. | 31057HH1004 | REVISION 0 |
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