

TECO Westinghouse

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|---|-------------------------|---|-----------------------|--|---|---|--|--|-------------------------------|-------------------|
| ISSUED October 23, 2008 | | PERFORMANCE DATA 3-PHASE INDUCTION MOTOR | | | | | | | ENCLOSURE TEFC | |
| TYPE AEHH8BCF | | | | | | | | | CATALOG# HB1004C-50 | |
| NAMEPLATE INFORMATION | | | | | | | | | | |
| OUTPUT HP KW | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
| 100 74.6 | | 4 | 405TC | 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 380 VOLT | | | AT 380 VOLT | | | AT 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 | | | | | | | | | | |
| COLD | | HOT | | COLD | | HOT | | SOUND PRESSURE LEVEL @ 3 FT dB(A) | | |
| 17 | | 12 | | 2 | | 1 | | | | |
| 82 | | | | | | | | | | |
| APPROVED: M. PRATER DRAWING NO. 31057HB1004C REVISION 0 | | | | | | | | | | |