

TECO Westinghouse

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|---------------------------------|--------------------------------|------------------------------|
| ISSUED April 13, 2006 | PERFORMANCE DATA | ENCLOSURE TEFC |
| TYPE AEHH8N | 3-PHASE INDUCTION MOTOR | CATALOG# EP5004-50 |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|------------|--------------|----------|--------------|------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 500 | 373.0 | 4 | 5011B | 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. % | | | | | | |
| 1484 | 95 | 95.8 | 95.4 | 93.6 | 89.8 | 88.8 | 83.8 | 80 KVAR |

CURRENTS

| NO LOAD | FULL LOAD | LOCKED ROTOR | NEMA KVA CODE LETTER |
|---------------|---------------|----------------|----------------------|
| AT | AT | AT | |
| 380 VOLT | 380 VOLT | 380 VOLT | |
| 100.00 | 659.00 | 3625.00 | G |

TORQUE

INERTIA

ACCEL TIME

| FULL LOAD lb-ft | LOCKED ROTOR %FLT | PULL UP %FLT | BREAK DOWN %FLT | ROTOR | NEMA | MAX | NEMA | MAX |
|-----------------|-------------------|--------------|-----------------|------------------------------------|---|--|--------------------------|-------------------------------|
| | | | | WR ² lb-ft ² | LOAD WK ² lb-ft ² | ALLOWABLE WK ² lb-ft ² | LOAD WK ² Sec | ALLOWABLE WK ² Sec |
| 1769 | 80 | 80 | 176 | 210 | 2955 | 5910 | 6.56 | 12.69 |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD | | HOT | | |
|-----------|-----------|----------|----------|--|
| 26 | 19 | 2 | 1 | |

| | | | | |
|-----------|------------------|-------------|--------------------|-------------------|
| APPROVED: | M. PRATER | DRAWING NO. | 31057EP5004 | REVISION 0 |
|-----------|------------------|-------------|--------------------|-------------------|