

TECO Westinghouse

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| ISSUED June 15, 2006 | PERFORMANCE DATA | ENCLOSURE TEFC |
| TYPE AEHE | 3-PHASE INDUCTION MOTOR | CATALOG# E7002-50 |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|------------|--------------|----------|--------------|------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 700 | 522.2 | 2 | 5810A | 380 | 50 | 40°C | F | B | CONT. | 1.00 |

TYPICAL PERFORMANCE

| FULL LOAD RPM | EFFICIENCY | | | | POWER FACTOR | | |
|---------------|------------|--------------|-------------|-----------|--------------|-------------|-----------|
| | FULL LOAD | | 3/4 LOAD | 1/2 LOAD | F. L. | 3/4 LOAD | 1/2 LOAD |
| | MIN. % | NOM. % | % | % | % | % | % |
| 2970 | 95 | 94.06 | 94.8 | 94 | 90.5 | 88.5 | 74 |

CURRENTS

| NO LOAD | | FULL LOAD | | LOCKED ROTOR | | NEMA KVA CODE LETTER |
|--------------|---------------|--------------|---------------|--------------|----------------|----------------------|
| AT 190 VOLTS | AT 380 VOLTS | AT 190 VOLTS | AT 380 VOLTS | AT 190 VOLTS | AT 380 VOLTS | |
| — | 158.00 | — | 922.83 | — | 5520.00 | |

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 |
|-----------------|-------------------|--------------|-----------------|--|--|--|-------------------------------|-----------------------------------|
| 1237.37 | 70 | 70 | 190 | 175 | 800.00 | 800.00 | 5.63 | 5.63 |

| SAFE STALL TIME IN SECONDS | | ALLOWABLE STARTS PER HOUR | | SOUND PRESSURE LEVEL @ 3 FT dB(A) |
|----------------------------|-----------|---------------------------|----------|-----------------------------------|
| COLD | HOT | COLD | HOT | |
| 25 | 19 | 2 | 1 | |

| | | | | |
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| APPROVED: | M. PRATER | DRAWING NO. | 31057E7002-50 | REVISION 0 |
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