

TECO Westinghouse

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|-------------------------------------|--------------------------------|-------------------------------|
| ISSUED September 14, 2006 | PERFORMANCE DATA | ENCLOSURE TEFC |
| TYPE AEHH8NCF | 3-PHASE INDUCTION MOTOR | CATALOG# EP0254C-50 |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|-----------|-------------|----------|--------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 25 | 18.7 | 4 | 284TC | 190/380 | 50 | 40°C | F | C | CONT. | 1.0 |

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. % | | | | | | |
| 1460 | 91 | 92.4 | 93.6 | 94.1 | 91 | 91 | 88.5 | 4.39 KVAR |

CURRENTS

| NO LOAD | | FULL LOAD | | | LOCKED ROTOR | | | NEMA KVA CODE LETTER |
|--------------|--|-------------|--------------|----------|--------------|---------------|---------------|----------------------|
| AT | | AT | AT | AT | AT | AT | | |
| 109 VOLT | | 380 VOLT | 190 VOLT | 380 VOLT | 190 VOLT | 380 VOLT | | |
| 11.02 | | 5.51 | 67.40 | | 33.70 | 486.00 | 243.00 | G |

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 |
|-----------------|-------------------|--------------|-----------------|--|--|--|-------------------------------|-----------------------------------|
| 89.9 | 160 | 130 | 200 | 4.586 | 188.908 | 314.2857143 | 6.00 | 9.89 |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| SAFE STALL TIME IN SECONDS | | ALLOWABLE STARTS PER HOUR | | SOUND PRESSURE LEVEL @ 3 FT dB(A) |
|----------------------------|-----------|---------------------------|----------|-----------------------------------|
| COLD | HOT | COLD | HOT | |
| 17 | 12 | 2 | 1 | 68 |

| | | | | | |
|-----------|------------------|-------------|------------------------|----------|----------|
| APPROVED: | M. PRATER | DRAWING NO. | 31057EP0254C-50 | REVISION | 0 |
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