

TECO Westinghouse

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|-------------------------------------|--------------------------------|-------------------------------|
| ISSUED September 14, 2006 | PERFORMANCE DATA | ENCLOSURE TEFC |
| TYPE AEHH8NCF | 3-PHASE INDUCTION MOTOR | CATALOG# EP0304C-50 |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|-----------|-------------|----------|--------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 30 | 22.4 | 4 | 286TC | 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 | 91.7 | 93 | 94.1 | 94.1 | 91 | 90.5 | 87.5 | 5.55 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 | | |
| 13.92 | | 6.96 | 80.40 | | 40.20 | 578.00 | 289.00 | 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 |
|-----------------|-------------------|--------------|-----------------|--|--|--|-------------------------------|-----------------------------------|
| 107.9 | 170 | 140 | 205 | 5.274 | 224.114 | 338.5714286 | 5.73 | 8.59 |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD | HOT | COLD | HOT | 70 |
|-----------|-----------|----------|----------|----|
| 17 | 12 | 2 | 1 | |

| | | | | |
|-----------|------------------|-------------|------------------------|-------------------|
| APPROVED: | M. PRATER | DRAWING NO. | 31057EP0304C-50 | REVISION 0 |
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