

TECO Westinghouse

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|---------------------------------|--------------------------------|--------------------------------|
| ISSUED March 18, 2011 | PERFORMANCE DATA | ENCLOSURE TEFC |
| TYPE AEUH8NDC | 3-PHASE INDUCTION MOTOR | CATALOG# EPV1/54C-50 |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|------------|------------|----------|--------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 1.5 | 1.1 | 4 | 145TC | 190/380 | 50 | 40°C | F | B | 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. % | | | | | | |
| 1425 | 81.5 | 84 | 85.5 | 85.5 | 84.5 | 78.5 | 66.5 | 0.88 KVAR |

CURRENTS

| NO LOAD | | | FULL LOAD | | | LOCKED ROTOR | | | NEMA KVA CODE LETTER |
|-------------|--|-------------|-------------|--|-------------|--------------|--|--------------|----------------------|
| AT | | AT | AT | | AT | AT | | AT | |
| 190 VOLT | | 380 VOLT | 190 VOLT | | 380 VOLT | 190 VOLT | | 380 VOLT | |
| 2.22 | | 1.11 | 4.80 | | 2.40 | 54.00 | | 27.00 | N |

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 |
|-----------------|-------------------|--------------|-----------------|--|--|--|-------------------------------|-----------------------------------|
| 5.527 | 210 | 175 | 265 | 0.093 | 13.2708 | 48.57142857 | 5.10 | 18.59 |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD | HOT | COLD | HOT | |
|-----------|-----------|----------|----------|-----------|
| 31 | 22 | 2 | 1 | 50 |

| | | | | | |
|-----------|------------------|-------------|-------------------------|----------|----------|
| APPROVED: | M. PRATER | DRAWING NO. | 31057EPV1/54C-50 | REVISION | 0 |
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