

TECO Westinghouse

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| ISSUED September 15, 2006 | PERFORMANCE DATA | ENCLOSURE TEFC |
| TYPE AEUHXF | 3-PHASE INDUCTION MOTOR | CATALOG# XV0502C-50 |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|-----------|--------------|----------|---------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 50 | 37.30 | 2 | 326TSC | 190/380 | 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. % | % | % | % | % | % |
| 2935 | 90.2 | 91.7 | 93 | 93 | 90 | 89.5 | 89.5 |

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 | |
| 18.22 | 9.11 | 137.40 | 68.70 | 964.00 | 482.00 | |

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 |
|-----------------|-------------------|--------------|-----------------|--|--|--|-------------------------------|-----------------------------------|
| 89.45 | 120 | 100 | 210 | 4.488 | 76.13 | 125.71 | 5.31 | 8.58 |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

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

| | | | | |
|-----------|------------------|-------------|------------------------|-------------------|
| APPROVED: | M. PRATER | DRAWING NO. | 31057XV0502C-50 | REVISION 0 |
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