

TECO Westinghouse

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|---------------------------|--------------------------------|---------------------------|
| ISSUED 12/27/13 | PERFORMANCE DATA | ENCLOSURE TEFC |
| TYPE AEHH8N | 3-PHASE INDUCTION MOTOR | CATALOG# EP4006 |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|------------|------------|----------|--------------|------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 400 | 298 | 6 | 5011B | 460 | 60 | 40°C | F | B | CONT. | 1.15 |

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. % | | | | | | |
| 1185 | 95 | 95.8 | 95.4 | 93.6 | 87 | 85 | 81 | 92 KVAR |

CURRENTS

| NO LOAD | FULL LOAD | LOCKED ROTOR | NEMA KVA CODE LETTER |
|------------|------------|--------------|----------------------|
| 116 | 449 | 2900 | 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 |
|-----------------|-------------------|--------------|-----------------|--|--|--|-------------------------------|-----------------------------------|
| 1772 | 100 | 100 | 220 | 285 | 4199 | 8398 | 6.08 | 11.78 |

| SAFE STALL TIME IN SECONDS | | ALLOWABLE STARTS PER HOUR | | SOUND PRESSURE LEVEL @ 3 FT dB(A) |
|----------------------------|-----------|---------------------------|----------|-----------------------------------|
| COLD | HOT | COLD | HOT | |
| 24 | 18 | 2 | 1 | |

| | | | | |
|-----------|------------------|-------------|--------------------|-------------------|
| APPROVED: | M. PRATER | DRAWING NO. | 3A057EP4006 | REVISION 0 |
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