

TECO Westinghouse

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|--------------------------------|--------------------------------|---------------------------|
| ISSUED Sept. 5, 2011 | PERFORMANCE DATA | ENCLOSURE TEFC |
| TYPE AEEAGD | 3-PHASE INDUCTION MOTOR | CATALOG# CD0508 |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|-----------|-----------|----------|-------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 50 | 37 | 8 | 404T | 230/460 | 60 | 40°C | F | C | 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. % | | | | | | |
| 885 | 91.7 | 93 | 93.6 | 93 | 80.5 | 77 | 67.5 | 14 KVAR |

CURRENTS

| NO LOAD | | | FULL LOAD | | | LOCKED ROTOR | | | NEMA KVA CODE LETTER |
|--------------|--------------|--------------|---------------|---------------|--------------|---------------|---------------|---------------|----------------------|
| AT | AT | AT | AT | AT | AT | AT | AT | AT | |
| 208 VOLT | 230 VOLT | 460 VOLT | 208 VOLT | 230 VOLT | 460 VOLT | 208 VOLT | 230 VOLT | 460 VOLT | |
| 27.81 | 34.00 | 17.00 | 138.22 | 125.00 | 62.50 | 655.65 | 725.00 | 362.50 | 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 |
|-----------------|-------------------|--------------|-----------------|--|--|--|-------------------------------|-----------------------------------|
| 296.6 | 200 | 175 | 230 | 31.465 | 620 | 1203 | 3.18 | 6.03 |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD | HOT | COLD | HOT | |
|-----------|-----------|----------|----------|--|
| 33 | 23 | 2 | 1 | |

| | | | | |
|-----------|------------------|-------------|--------------------|-------------------|
| APPROVED: | M. PRATER | DRAWING NO. | 31057CD0508 | REVISION 0 |
|-----------|------------------|-------------|--------------------|-------------------|