

TECO Westinghouse

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|--------------------------------|--------------------------------|---------------------------|
| ISSUED June 15, 2007 | PERFORMANCE DATA | ENCLOSURE TEFC |
| TYPE AEHGK | 3-PHASE INDUCTION MOTOR | CATALOG# KG4002 |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|------------|------------|----------|--------------|------------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 400 | 298 | 2 | 5011A | 2300/4160 | 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. % | | | | | | |
| 3580 | 94.5 | 95.4 | 95 | 93.6 | 91 | 90.5 | 85.8 | 50 KVAR |

CURRENTS

| NO LOAD | | FULL LOAD | | LOCKED ROTOR | | NEMA KVA CODE LETTER |
|--------------|-------------|--------------|--------------|---------------|---------------|----------------------|
| AT | AT | AT | AT | AT | AT | |
| 2300 VOLT | 4160 VOLT | 2300 VOLT | 4160 VOLT | 2300 VOLT | 4160 VOLT | |
| 15.00 | 8.29 | 86.30 | 47.70 | 627.00 | 347.00 | 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 |
|-----------------|-------------------|--------------|-----------------|------------------------------------------|----------------------------------------------|--------------------------------------------------|-------------------------------|-----------------------------------|
| 585.00 | 90 | 90 | 230 | 69 | 315 | 472 | 4.72 | 6.65 |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD | HOT | COLD | HOT | 85 |
|-----------|-----------|----------|----------|----|
| 28 | 25 | 2 | 1 | |

| | | | | |
|-----------|------------------|-------------|--------------------|---------------|
| APPROVED: | M. PRATER | DRAWING NO. | 3A057KG4002 | REV. 1 |
|-----------|------------------|-------------|--------------------|---------------|