

TECO Westinghouse

| | | |
|---------------------------|--------------------------------|-----------------------------|
| ISSUED 02/03/12 | PERFORMANCE DATA | ENCLOSURE TEFC |
| TYPE AEEAGD | 3-PHASE INDUCTION MOTOR | CATALOG# CD2504RZ |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|------------|------------|----------|--------------|------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 250 | 187 | 4 | 505UZ | 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. % | | | | | | |
| 1775 | 93.0 | 94.1 | 92.4 | 91.0 | 88.0 | 85.0 | 79.5 | 56 KVAR |

CURRENTS

| NO LOAD | FULL LOAD | LOCKED ROTOR | NEMA KVA CODE LETTER |
|-----------|------------|--------------|----------------------|
| 70 | 283 | 1825 | 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 |
|-----------------|-------------------|--------------|-----------------|--|--|--|-------------------------------|-----------------------------------|
| 739 | 200 | 160 | 250 | 100 | 1017 | 2034 | 4.18 | 7.99 |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD | HOT | COLD | HOT | 90 |
|-----------|-----------|----------|----------|----|
| 20 | 15 | 1 | 2 | |

| | | | | |
|-----------|------------------|-------------|----------------------|-------------------|
| APPROVED: | M. PRATER | DRAWING NO. | 3A057CD2504RZ | REVISION 0 |
|-----------|------------------|-------------|----------------------|-------------------|