

TECO Westinghouse

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|----------------------------------|---|------------------------------|
| ISSUED August 25, 2017 | PERFORMANCE DATA 3-PHASE INDUCTION MOTOR | ENCLOSURE TEFC |
| TYPE AEHCEC | | CATALOG# VSKTP3004 |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|------------|------------|----------|-------------|------------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 300 | 224 | 4 | 5009 | 2300/4000 | 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. % | | | | | | |
| 1785 | 94.5 | 95.4 | 95.2 | 94.5 | 85.7 | 81.5 | 71.9 | 86 KVAR |

CURRENTS

| NO LOAD | | FULL LOAD | | LOCKED ROTOR | | NEMA KVA CODE LETTER |
|-------------|-------------|-------------|-------------|--------------|------------|----------------------|
| AT | AT | AT | AT | AT | AT | |
| 2300 VOLT | 4000 VOLT | 2300 VOLT | 4000 VOLT | 2300 VOLT | 4000 VOLT | |
| 21.5 | 12.4 | 68.6 | 39.4 | 474 | 272 | 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 |
|-----------------|-------------------|--------------|-----------------|--|--|--|-------------------------------|-----------------------------------|
| 880 | 80 | 70 | 210 | 130 | 1197 | 1796 | 5.89 | 8.55 |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD | HOT | COLD | HOT | 85 |
|-----------|-----------|----------|----------|----|
| 32 | 29 | 2 | 1 | |

APPROVED:

M. PRATER

DRAWING NO.

31059VSKTP3004

REV. **0**