

TECO Westinghouse

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| ISSUED 10/8/2018 | PERFORMANCE DATA 3-PHASE INDUCTION MOTOR | ENCLOSURE TEFC |
| TYPE AEHHSY | | CATALOG# EPY3004 |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTS | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|------------|------------|----------|--------------|------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 300 | 224 | 4 | 5007B | 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 | FULL LOAD | 3/4 LOAD | 1/2 LOAD | |
| | MIN% | NOM% | % | % | % | % | % | |
| 1785 | 96.2 | 95.4 | 95.8 | 93.8 | 90.0 | 89.0 | 84.0 | 79.67 KVAR |

CURRENTS

| NO LOAD | FULL LOAD | LOCKED ROTOR | NEMA KVA CODE LETTER |
|------------|------------|--------------|----------------------|
| AT | AT | AT | |
| 460 VOLT | 460 VOLT | 460 VOLT | |
| 100 | 324 | 2200 | |

TORQUE

INERTIA

ACCEL TIME

| FULL LOAD lb-ft | LOCKED ROTOR %FLT | PULL UP %FLT | BREAK DOWN %FLT | ROTOR | NEMA | MAX ALLOWABLE WK ² lb-ft ² | NEMA | MAX ALLOWABLE WK ² Sec. |
|--------------------|----------------------|-----------------|--------------------|---------------------------------------|---|--|---------------------------------|--|
| | | | | WR ² lb-ft ² | LOAD WK ² lb-ft ² | | LOAD WK ² Sec. | |
| 881.5 | 100 | 100 | 230 | 117 | 1200 | 2400.0 | 5.25 | 10.03 |

| SAFE STALL TIME IN SECONDS | | ALLOWABLE STARTS PER HOUR | | SOUND PRESSURE LEVEL @ 3 FT dB(A) |
|----------------------------|-----------|---------------------------|----------|-----------------------------------|
| COLD | HOT | COLD | HOT | |
| 16 | 12 | 2 | 1 | 81 |

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|------------------|------------------|--------------------|---------------------|---------------|
| APPROVED: | M. PRATER | DRAWING NO. | 31057EPY3004 | REV. 0 |
|------------------|------------------|--------------------|---------------------|---------------|