

TECO Westinghouse

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| ISSUED 12/3/2018 | PERFORMANCE DATA 3-PHASE INDUCTION MOTOR | ENCLOSURE TEFC |
| TYPE AEHHSY | | CATALOG# EPY3006 |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTS | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|------------|------------|----------|--------------|------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 300 | 224 | 6 | 449TY | 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% | % | % | % | % | % | |
| 1188 | 90.0 | 95.8 | 95.4 | 94.5 | 84.5 | 82.0 | 74.5 | 85.25 KVAR |

| CURRENTS | | | NEMA KVA CODE LETTER |
|-------------------|-------------------|-------------------|----------------------|
| NO LOAD | FULL LOAD | LOCKED ROTOR | |
| AT 460 VOLT | AT 460 VOLT | AT 460 VOLT | |
| 107 | 347 | 2200 | |

| TORQUE | | | | INERTIA | | | ACCEL TIME | |
|---------------|--------------|-----------|------------|---------------------------------------|---------------------------------------|---------------------------------------|-------------------------|-------------------------|
| FULL LOAD | LOCKED ROTOR | PULL UP | BREAK DOWN | ROTOR | NEMA LOAD | MAX ALLOWABLE | NEMA LOAD | MAX ALLOWABLE |
| lb-ft | %FLT | %FLT | %FLT | WR ² lb-ft ² | WK ² lb-ft ² | WK ² lb-ft ² | WK ² Sec. | WK ² Sec. |
| 1326.3 | 110 | 90 | 210 | 162 | 3239 | 6478.0 | 6.25 | 12.20 |

| SAFE STALL TIME IN SECONDS | | ALLOWABLE STARTS PER HOUR | | SOUND PRESSURE LEVEL @ 3 FT dB(A) |
|----------------------------|-----------|---------------------------|----------|-----------------------------------|
| COLD | HOT | COLD | HOT | |
| 23 | 17 | 2 | 1 | |

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|-----------|------------------|-------------|---------------------|---------------|
| APPROVED: | M. PRATER | DRAWING NO. | 31057EPY3006 | REV. 0 |
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