

TECO Westinghouse

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| ISSUED 10/31/18 | PERFORMANCE DATA 3-PHASE INDUCTION MOTOR | ENCLOSURE TEFC |
| TYPE AEEHNH | | CATALOG# VHTP4506 |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|------------|------------|----------|-------------|------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 450 | 336 | 6 | 5808 | 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 | F. L. | 3/4 LOAD | 1/2 LOAD | |
| | MIN. % | NOM. % | | | | | | |
| 1190 | 95.0 | 95.8 | 95.7 | 95.3 | 80.2 | 75.2 | 65.2 | 120 KVAR |

| CURRENTS | | | NEMA KVA CODE LETTER |
|--------------|------------|--------------|----------------------|
| NO LOAD | FULL LOAD | LOCKED ROTOR | |
| 150.7 | 547 | 3250 | 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 |
| 1986.5 | 120 | 120 | 200 | 329 | 4666 | 6066 | 6.20 | 7.94 |

| SAFE STALL TIME IN SECONDS | | ALLOWABLE STARTS PER HOUR | | SOUND PRESSURE LEVEL @ 3 FT dB(A) |
|----------------------------|-----------|---------------------------|----------|-----------------------------------|
| COLD | HOT | COLD | HOT | |
| 18 | 13 | 2 | 1 | |

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| APPROVED: | M. PRATER | DRAWING NO. | 31057VHTP4506 | REVISION 1 |
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