

TECO Westinghouse

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| ISSUED 8/15/2014 | PERFORMANCE DATA 3-PHASE INDUCTION MOTOR | ENCLOSURE TEFC |
| TYPE AEHH8N | | CATALOG# EP2506C |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|------------|--------------|----------|--------------|------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 250 | 186.5 | 6 | 449TC | 460 | 60 | 40°C | F | B | CONT. | 1.15 |

VARIABLE FREQUENCY DRIVE SERVICE

| | | | | | | | | |
|-----------------|-------------------|----------------|-------------------|--|---------------|--------------|--------------|----------------|
| VARIABLE TORQUE | | | | OHMS/PHASE EQUIVALENT WYE CIRCUIT (AT RATED OPERATING TEMPERATURE 25°C) | | | | |
| HZ | HP | RPM | TORQUE (lb-ft) | R1 | R2 | X1 | X2 | X _m |
| 3~60 | 0.0313~250 | 60~1200 | 2.739~1104 | 0.0247 | 0.0204 | 0.188 | 0.447 | 7.7 |

| CONSTANT TORQUE | | | | CONSTANT HORSEPOWER | | | |
|-----------------|---------------|-----------------|----------------|---------------------|------------|------------------|-----------------|
| HZ | HP | RPM | TORQUE (lb-ft) | HZ | HP | RPM | TORQUE (lb-ft) |
| 6~60 | 25~250 | 120~1200 | 1104 | 60~90 | 250 | 1200~1800 | 1104~736 |

TYPICAL PERFORMANCE

| FULL LOAD RPM | EFFICIENCY | | | | POWER FACTOR | | | SOUND PRESSURE LEVEL @ 3 FT Db(A) |
|---------------|------------|-------------|-------------|-------------|--------------|------------|-------------|-----------------------------------|
| | FULL LOAD | | 3/4 LOAD % | 1/2 LOAD % | FULL LOAD % | 3/4 LOAD % | 1/2 LOAD % | |
| | MIN.% | NOM.% | | | | | | |
| 1188 | 95 | 95.8 | 95.4 | 94.5 | 84.5 | 82 | 74.5 | 79 |

| CURRENTS | | | | | | NEMA KVA CODE LETTER | SAFE STALL TIME IN SECONDS | |
|-------------|--|---------------|--|--------------|--|----------------------|----------------------------|-----------|
| NO LOAD | | FULL LOAD | | LOCKED ROTOR | | | COLD | HOT |
| AT 460 VOLT | | AT 460 VOLT | | AT 460 VOLT | | | | |
| 76.9 | | 289.00 | | 1825 | | G | 16 | 12 |

| TORQUE | | | | INERTIA | | | ACCEL TIME (DOL) | | ALLOWABLE STARTS PER HOUR | |
|-------------------|-------------------|--------------|-----------------|---|---|---|-------------------------------|-----------------------------------|---------------------------|----------|
| 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 | COLD | HOT |
| ##### | 110 | 90 | 210 | 140 | 2744 | 6860 | 6.36 | 15.45 | 2 | 1 |

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| APPROVED: | M. PRATER | DRAWING NO. | 31057EP2506C | REVISION: | 1 |
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