

TECO Westinghouse

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| ISSUED 8/29/2014 | PERFORMANCE DATA 3-PHASE INDUCTION MOTOR | ENCLOSURE TEFC |
| TYPE AEHH8P | | CATALOG# NP0306 |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|-----------|-------------|----------|-------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 30 | 22.4 | 6 | 326T | 230/460 | 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 | 0.0038~30 | 60~1200 | 0.332~134.1 | 0.1129 | 0.2135 | 0.6729 | 1.1569 | 22.143 |

| CONSTANT TORQUE | | | | CONSTANT HORSEPOWER | | | |
|-----------------|-------------|-----------------|-------------------|---------------------|-----------|------------------|-------------------|
| HZ | HP | RPM | TORQUE (lb-ft) | HZ | HP | RPM | TORQUE (lb-ft) |
| 6~60 | 3~30 | 120~1200 | 134.1 | 60~90 | 30 | 1200~1800 | 134.1~89.4 |

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.% | | | | | | |
| 1175 | 91.7 | 93 | 93.6 | 93.6 | 81.5 | 78.5 | 71 | 72 |

| CURRENTS | | | | | | | | | NEMA KVA CODE LETTER | SAFE STALL TIME IN SECONDS | |
|--------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|-------------|----------------------|----------------------------|-----------|
| NO LOAD | | | FULL LOAD | | | LOCKED ROTOR | | | | COLD | HOT |
| AT 208 VOLT | AT 230 VOLT | AT 460 VOLT | AT 208 VOLT | AT 230 VOLT | AT 460 VOLT | AT 208 VOLT | AT 230 VOLT | AT 460 VOLT | | | |
| 20.60 | 23.20 | 11.6 | 82.00 | 75.00 | 37.10 | 394.3 | 436.0 | 218 | G | 17 | 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 |
| 134.10 | 240 | 2000 | 250 | 11.72 | 384 | 636 | 5.59 | 9.15 | 2 | 1 |

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| APPROVED: | M. PRATER | DRAWING NO. | 31057NP0306 | REVISION: | 1 |
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