

TECO Westinghouse

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| ISSUED 8/28/2014 | PERFORMANCE DATA 3-PHASE INDUCTION MOTOR | ENCLOSURE TEFC |
| TYPE AEHH8B | | CATALOG# HB1508 |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|------------|--------------|----------|-------------|------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 150 | 111.9 | 8 | 449T | 460 | 60 | 50°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 | 0.0188-150 | 45-900 | 2.21-887 | 0.0598 | 0.0456 | 0.4404 | 0.8292 | 3.6785 |

| CONSTANT TORQUE | | | | CONSTANT HORSEPOWER | | | |
|-----------------|---------------|---------------|-------------------|---------------------|------------|-----------------|-------------------|
| HZ | HP | RPM | TORQUE (lb-ft) | HZ | HP | RPM | TORQUE (lb-ft) |
| 6-60 | 15-150 | 90-900 | 887 | 60-75 | 150 | 900-1125 | 887-710 |

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.% | | | | | | |
| 888 | 92.9 | 93.6 | 93.4 | 92.1 | 80.0 | 77.0 | 69.0 | 74 |

| CURRENTS | | | NEMA KVA CODE LETTER | SAFE STALL TIME IN SECONDS | |
|-------------|--|-------------|----------------------|----------------------------|---------------------|
| NO LOAD | | FULL LOAD | | LOCKED ROTOR | |
| AT 460 VOLT | | AT 460 VOLT | | AT 460 VOLT | |
| 72.2 | | 188 | 1085 | G | 27 18 |

| 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 |
| 887 | 150 | 125 | 200 | 166 | 3456 | 8640 | 7.06 | 17.17 | 2 | 1 |

| | | | | | |
|-----------|------------------|-------------|--------------------|-----------|----------|
| APPROVED: | M. PRATER | DRAWING NO. | 3A057HB1508 | REVISION: | 0 |
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