

TECO Westinghouse

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|----------------------------|---|---------------------------|
| ISSUED 8/15/2014 | PERFORMANCE DATA 3-PHASE INDUCTION MOTOR | ENCLOSURE TEFC |
| TYPE AEHH8N | | CATALOG# EP1/56 |

NAMEPLATE INFORMATION

| OUTPUT HP | OUTPUT KW | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|--------------|--------------|----------|---------------|----------------|-----------|------------------|---------------|----------------|----------------|-------------------|
| 1.5 | 1.1 | 6 | 182T | 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 | 0.0002~1.5 | 60~1200 | 0.017~6.731 | 2.8805 | 3.8064 | 10.662 | 14.806 | 144.74 |

| CONSTANT TORQUE | | | | CONSTANT HORSEPOWER | | | |
|-----------------|----------------|-----------------|-------------------|---------------------|------------|------------------|--------------------|
| HZ | HP | RPM | TORQUE (lb-ft) | HZ | HP | RPM | TORQUE (lb-ft) |
| 6~60 | .15~1.5 | 120~1200 | 6.731 | 60~120 | 1.5 | 1200~2400 | 6.731~3.366 |

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.% | | | | | | |
| 1170 | 85.5 | 87.5 | 85.5 | 82.5 | 63.5 | 55 | 42.5 | 52 |

| 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 | | | |
| 2.78 | 3.42 | 1.71 | 5.60 | 5.06 | 2.53 | 36.2 | 40.0 | 20 | M | 97 | 68 |

| 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 |
| 6.73 | 210 | 190 | 350 | 0.313 | 23 | 204 | 5.03 | 44.07 | 2 | 1 |

| | | | | | |
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| APPROVED: | M. PRATER | DRAWING NO. | 31057EP1/56 | REVISION: | 1 |
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