

TECO Westinghouse

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| ISSUED 8/15/2014 | PERFORMANCE DATA 3-PHASE INDUCTION MOTOR | ENCLOSURE TEFC |
| TYPE AEHH8N | | CATALOG# EP0056C |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|----------|------------|----------|--------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 5 | 3.7 | 6 | 215TC | 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 | 0.0006~5 | 60~1200 | 0.053~22.44 | 1.0045 | 1.3637 | 3.7091 | 4.983 | 88.667 |

| CONSTANT TORQUE | | | | CONSTANT HORSEPOWER | | | |
|-----------------|-------------|-----------------|----------------|---------------------|----------|------------------|--------------------|
| HZ | HP | RPM | TORQUE (lb-ft) | HZ | HP | RPM | TORQUE (lb-ft) |
| 6~60 | .5~5 | 120~1200 | 22.44 | 60~120 | 5 | 1200~2400 | 22.44~11.22 |

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 | 89.5 | 91 | 91 | 89.5 | 82.5 | 77 | 65.5 | 55 |

| 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 | | | |
| 5.27 | 5.76 | 2.88 | 13.80 | 12.48 | 6.24 | 83.2 | 92.0 | 46 | J | 68 | 48 |

| 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 |
| 22.44 | 190 | 160 | 300 | 1.224 | 71 | 416 | 5.32 | 30.71 | 2 | 1 |

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| APPROVED: | M. PRATER | DRAWING NO. | 31057EP0056C | REVISION: | 1 |
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