

TECO Westinghouse

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| ISSUED 1/26/2015 | PERFORMANCE DATA 3-PHASE INDUCTION MOTOR | ENCLOSURE TEFC |
| TYPE AEHH8P-SGR | | CATALOG# NP1/52G |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|------------|------------|----------|-------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 1.5 | 1.1 | 2 | 143T | 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 | 180~3600 | 0.006~2.273 | 4.91 | 5.5067 | 7.7182 | 10.21 | 279.4 |

| CONSTANT TORQUE | | | | CONSTANT HORSEPOWER | | | |
|-----------------|----------------|-----------------|----------------|---------------------|------------|------------------|--------------------|
| HZ | HP | RPM | TORQUE (lb-ft) | HZ | HP | RPM | TORQUE (lb-ft) |
| 6~60 | .15~1.5 | 360~3600 | 2.273 | 60~120 | 1.5 | 3600~7200 | 2.273~1.137 |

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.% | | | | | | |
| 3465 | 81.5 | 84 | 84 | 81.5 | 83.5 | 77 | 65 | 60 |

| 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 | | | |
| 1.81 | 1.86 | 0.93 | 4.42 | 4.00 | 2.00 | 36.2 | 40.0 | 20 | M | 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 |
| 2.27 | 340 | 280 | 350 | 0.052 | 1.8 | 6.7 | 3.01 | 10.96 | 2 | 1 |

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| APPROVED: | M. PRATER | DRAWING NO. | 31057NP1/52G | REVISION: | 1 |
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