

TECO Westinghouse

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|----------------------------|---|-----------------------------|
| ISSUED 8/29/2014 | PERFORMANCE DATA 3-PHASE INDUCTION MOTOR | ENCLOSURE TEFC |
| TYPE AEUH8NDC | | CATALOG# EPV0024C |

NAMEPLATE INFORMATION

| OUTPUT HP | OUTPUT KW | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|--------------|--------------|----------|---------------|----------------|-----------|------------------|---------------|----------------|----------------|-------------------|
| 2 | 1.5 | 4 | 145TC | 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 | 0.0003~2 | 90~1800 | 0.0175~6.035 | 3.9555 | 4.3639 | 10.417 | 6.5877 | 170.99 |

| CONSTANT TORQUE | | | | CONSTANT HORSEPOWER | | | |
|-----------------|-------------|-----------------|-------------------|---------------------|----------|------------------|---------------------|
| HZ | HP | RPM | TORQUE (lb-ft) | HZ | HP | RPM | TORQUE (lb-ft) |
| 6~60 | .2~2 | 180~1800 | 6.035 | 60~120 | 2 | 1800~3600 | 6.035~3.0175 |

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.% | | | | | | |
| 1740 | 84 | 86.5 | 84 | 84 | 78 | 70 | 57 | 51 |

| 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 | | | | |
| 2.55 | 2.92 | 1.46 | 6.15 | 5.56 | 2.78 | 45.2 | 50.0 | 25 | L | 43 | 30 | |

| 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 |
| 6.04 | 270 | 220 | 330 | 0.108 | 11 | 51 | 3.83 | 17.61 | 2 | 1 |

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| APPROVED: | M. PRATER | DRAWING NO. | 31057EPV0024C | REVISION: | 1 |
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