

TECO Westinghouse

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| ISSUED 8/29/2014 | PERFORMANCE DATA 3-PHASE INDUCTION MOTOR | ENCLOSURE TEFC |
| TYPE AEUH8BDC | | CATALOG# HBV0752C |

NAMEPLATE INFORMATION

| OUTPUT HP | OUTPUT KW | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|--------------|--------------|----------|---------------|------------|-----------|------------------|---------------|----------------|----------------|-------------------|
| 75 | 56.0 | 2 | 365TSC | 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 | 0.009~75 | 180~3600 | 0.263~110.8 | 0.0277 | 0.0639 | 0.2691 | 0.3003 | 17.664 |

| CONSTANT TORQUE | | | | CONSTANT HORSEPOWER | | | |
|-----------------|---------------|-----------------|-------------------|---------------------|-----------|-------------|-------------------|
| HZ | HP | RPM | TORQUE (lb-ft) | HZ | HP | RPM | TORQUE (lb-ft) |
| 6~60 | 7.5~75 | 360~3600 | 110.8 | 60 | 75 | 3600 | 110.8 |

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.% | | | | | | |
| 3555 | 93.6 | 94.5 | 95 | 95 | 93 | 92.5 | 89 | 83 |

| CURRENTS | | | | | | NEMA KVA CODE LETTER | SAFE STALL TIME IN SECONDS | |
|-------------------|--|-------------------|--|-------------------|--|-------------------------------|----------------------------------|-----------|
| NO LOAD | | FULL LOAD | | LOCKED ROTOR | | | COLD | HOT |
| AT 460 VOLT | | AT 460 VOLT | | AT 460 VOLT | | | | |
| 14.8 | | 79.90 | | 543 | | G | 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 |
| 110.80 | 145 | 130 | 250 | 9.056 | 71 | 164 | 4.39 | 9.49 | 2 | 1 |

| | | | | | |
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| APPROVED: | M. PRATER | DRAWING NO. | 31057HBV0752C | REVISION: | 1 |
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