

TECO Westinghouse

| | | |
|--------------------------------|--------------------------------|-------------------------------------|
| ISSUED April 6, 2011 | PERFORMANCE DATA | ENCLOSURE EXPLOSION PROOF |
| TYPE AEHHXU | 3-PHASE INDUCTION MOTOR | CATALOG# XP1006R |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|------------|-------------|----------|-------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 100 | 74.6 | 6 | 444T | 230/460 | 60 | 40°C | F | B | CONT. | 1.15 |

TYPICAL PERFORMANCE

| FULL LOAD RPM | EFFICIENCY | | | | POWER FACTOR | | | MAXIMUM POWER FACTOR CORRECTION |
|---------------|-------------|-----------|-------------|-------------|--------------|------------|------------|---------------------------------|
| | FULL LOAD | | 3/4 LOAD % | 1/2 LOAD % | F. L. % | 3/4 LOAD % | 1/2 LOAD % | |
| | MIN. % | NOM. % | | | | | | |
| 1180 | 94.1 | 95 | 94.5 | 93.6 | 83 | 81 | 74 | 38.2 KVAR |

CURRENTS

| NO LOAD | | | FULL LOAD | | | LOCKED ROTOR | | | NEMA KVA CODE LETTER |
|---------------|--------------|--------------|---------------|---------------|---------------|----------------|----------------|---------------|----------------------|
| AT | AT | AT | AT | AT | AT | AT | AT | AT | |
| 208 VOLT | 230 VOLT | 460 VOLT | 208 VOLT | 230 VOLT | 460 VOLT | 208 VOLT | 230 VOLT | 460 VOLT | |
| 106.15 | 96.00 | 48.00 | 260.96 | 236.00 | 118.00 | 1603.37 | 1450.00 | 725.00 | G |

TORQUE

INERTIA

ACCEL TIME

| 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 |
|-----------------|-------------------|--------------|-----------------|--|--|--|-------------------------------|-----------------------------------|
| 445 | 130 | 104 | 210 | 50 | 1181 | 2812.00 | 6.42 | 14.93 |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD | HOT | COLD | HOT | 80 |
|-----------|-----------|----------|----------|----|
| 37 | 15 | 2 | 1 | |

| | | | | |
|-----------|------------------|-------------|---------------------|-------------------|
| APPROVED: | M. PRATER | DRAWING NO. | 3A057XP1006R | REVISION 0 |
|-----------|------------------|-------------|---------------------|-------------------|