

TECO Westinghouse

| | | |
|--------------------------------|--------------------------------|------------------------------|
| ISSUED April 5, 2006 | PERFORMANCE DATA | ENCLOSURE TEFC |
| TYPE AEHH8N | 3-PHASE INDUCTION MOTOR | CATALOG# EP0602-50 |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|-----------|-------------|----------|--------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 60 | 44.8 | 2 | 364TS | 190/380 | 50 | 40°C | F | B | CONT. | 1.0 |

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. % | | | | | | |
| 2940 | 91.7 | 93 | 93.6 | 93 | 94 | 93.5 | 91 | 7.25 KVAR |

CURRENTS

| NO LOAD | | FULL LOAD | | | LOCKED ROTOR | | | NEMA KVA CODE LETTER |
|--------------|--|-------------|---------------|----------|--------------|----------------|---------------|----------------------|
| AT | | AT | AT | AT | AT | AT | | |
| 109 VOLT | | 380 VOLT | 190 VOLT | 380 VOLT | 190 VOLT | 380 VOLT | | |
| 18.20 | | 9.10 | 155.60 | | 77.80 | 1156.00 | 578.00 | 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 |
|-----------------|-------------------|--------------|-----------------|--|--|--|-------------------------------|-----------------------------------|
| 107.1 | 140 | 120 | 235 | 7.379 | 90.1119 | 204.2857143 | 4.80 | 10.43 |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| | | | | |
|-----------|-----------|----------|----------|----|
| COLD | HOT | COLD | HOT | 82 |
| 17 | 12 | 2 | 1 | |

| | | | | |
|-----------|------------------|-------------|-----------------------|-------------------|
| APPROVED: | M. PRATER | DRAWING NO. | 31057EP0602-50 | REVISION 0 |
|-----------|------------------|-------------|-----------------------|-------------------|