

TECO Westinghouse

| | | |
|------------------------------------|--------------------------------|------------------------------|
| ISSUED December 16, 2005 | PERFORMANCE DATA | ENCLOSURE TEFC |
| TYPE AEHH | 3-PHASE INDUCTION MOTOR | CATALOG# HH0304-50 |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|-----------|-------------|----------|-------------|------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 30 | 22.4 | 4 | 286T | 380 | 50 | 40°C | F | C | CONT. | 1.00 |

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. % | | | | | | |
| 1460 | 91.7 | 93 | 94.1 | 94.1 | 91 | 90.5 | 87.5 | 6 KVAR |

CURRENTS

| NO LOAD | FULL LOAD | LOCKED ROTOR | NEMA KVA CODE LETTER |
|-------------|--------------|---------------|----------------------|
| AT | AT | AT | |
| 380 VOLT | 380 VOLT | 380 VOLT | |
| 6.96 | 40.20 | 289.00 | G |

TORQUE

INERTIA

ACCEL TIME

| FULL LOAD lb-ft | LOCKED ROTOR %FLT | PULL UP %FLT | BREAK DOWN %FLT | ROTOR | NEMA | MAX | NEMA | MAX |
|-----------------|-------------------|--------------|-----------------|------------------------------------|---|--|--------------------------|-------------------------------|
| | | | | WR ² lb-ft ² | LOAD WK ² lb-ft ² | ALLOWABLE WK ² lb-ft ² | LOAD WK ² Sec | ALLOWABLE WK ² Sec |
| 107.9 | 170 | 140 | 205 | 5.274 | 224.114 | 338.5714286 | 5.73 | 8.59 |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

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

| | | | | |
|-----------|------------------|-------------|--------------------|-------------------|
| APPROVED: | M. PRATER | DRAWING NO. | 31057HH0304 | REVISION 0 |
|-----------|------------------|-------------|--------------------|-------------------|