

TECO Westinghouse

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|------------------------------|--------------------------------|----------------------------|
| ISSUED May 3, 2011 | PERFORMANCE DATA | ENCLOSURE TEFC |
| TYPE AEHH8PCF | 3-PHASE INDUCTION MOTOR | CATALOG# NP0302C |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|-----------|-------------|----------|---------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 30 | 22.4 | 2 | 286TSC | 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. % | | | | | | |
| 2925 | 89.5 | 91 | 91.7 | 91 | 91.5 | 90 | 90 | 5.47 KVAR |

CURRENTS

| NO LOAD | | FULL LOAD | | | LOCKED ROTOR | | | NEMA KVA CODE LETTER |
|--------------|--|-------------|--------------|----------|--------------|---------------|--|----------------------|
| AT | | AT | AT | AT | AT | AT | | |
| 190 VOLT | | 380 VOLT | 190 VOLT | 380 VOLT | 190 VOLT | 380 VOLT | | |
| 13.72 | | 6.86 | 81.60 | | 40.80 | 578.00 | | H |

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 |
|-----------------|-------------------|--------------|-----------------|--|--|--|-------------------------------|-----------------------------------|
| 53.85 | 135 | 110 | 205 | 2.831 | 47.3678 | 104.2857143 | 5.39 | 11.51 |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD | HOT | COLD | HOT | |
|-----------|-----------|----------|----------|-----------|
| 24 | 17 | 2 | 1 | 77 |

| | | | | |
|-----------|------------------|-------------|------------------------|-------------------|
| APPROVED: | M. PRATER | DRAWING NO. | 31057NP0302C-50 | REVISION 0 |
|-----------|------------------|-------------|------------------------|-------------------|