

TECO Westinghouse

| | | |
|-----------------------------------|---|---------------------------|
| ISSUED November 3, 2015 | PERFORMANCE DATA 3-PHASE INDUCTION MOTOR | ENCLOSURE TEFC |
| TYPE AEEAFP | | CATALOG# QT0106 |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|-----------|------------|----------|-------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 10 | 7.5 | 6 | 256T | 230/460 | 60 | 40°C | F | D | 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. % | | | | | | |
| 1110 | 82.1 | 84.0 | 85.5 | 86.0 | 84.0 | 78.0 | 67.0 | 5.0 KVAR |

CURRENTS

| NO LOAD | | FULL LOAD | | | LOCKED ROTOR | | | NEMA KVA CODE LETTER |
|-------------|--|------------|-------------|-------------|--------------|-----------|----------|----------------------|
| AT | | AT | AT | AT | AT | AT | | |
| 230 VOLT | | 460 VOLT | 230 VOLT | 460 VOLT | 230 VOLT | 460 VOLT | | |
| 12.7 | | 6.3 | 26.6 | 13.3 | 162 | 81 | 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 |
|-----------------|-------------------|--------------|-----------------|--|--|--|-------------------------------|-----------------------------------|
| 47.2 | 300 | 290 | 300 | 2.03 | 137 | 212 | 3.97 | 6.13 |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

COLD

HOT

COLD

HOT

17

12

2

1

65

APPROVED:

M. PRATER

DRAWING NO.

31045QT0106

REVISION **0**