

TECO Westinghouse

| | | |
|-----------------------------------|--------------------------------|-----------------------------|
| ISSUED January 20, 2017 | PERFORMANCE DATA | ENCLOSURE TEFC |
| TYPE AEEHED | 3-PHASE INDUCTION MOTOR | CATALOG# VSTP0404 |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|-----------|-------------|----------|--------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 40 | 29.8 | 6 | 324VP | 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. % | | | | | | |
| 1770 | 93.0 | 94.1 | 94.5 | 94.5 | 86.0 | 84.5 | 78.5 | 8.4 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 | |
| 25.9 | 21.2 | 10.6 | 102.3 | 92.6 | 46.3 | 641.3 | 580.0 | 290.0 | 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 |
|-----------------|-------------------|--------------|-----------------|--|--|--|-------------------------------|-----------------------------------|
| 118.65 | 205 | 170 | 220 | 8.624 | 188.8 | 375 | 4.90 | 9.53 |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

COLD

HOT

COLD

HOT

25

18

2

1

APPROVED:

M. PRATER

DRAWING NO.

31057VSTP0404

REVISION **0**