

TECO Westinghouse

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|-----------------------------------|-----------------------------|----------------------------|
| ISSUED February 8, 2013 | PERFORMANCE DATA | ENCLOSURE WP1 |
| TYPE AMRCHN | | CATALOG# VHP0254 |
| 3-PHASE INDUCTION MOTOR | | |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|-----------|-------------|----------|--------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 25 | 18.7 | 4 | 284TP | 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. % | | | | | | |
| 1765 | 92.4 | 93.6 | 93.5 | 93.0 | 85.0 | 82.0 | 74.0 | 7.2 KVAR |

CURRENTS

| NO LOAD | | | | FULL LOAD | | | | LOCKED ROTOR | | NEMA KVA CODE LETTER |
|--------------|--|-------------|--|-------------|-------------|--------------|--------------|--------------|----------|----------------------|
| AT | | AT | | AT | | AT | | AT | | |
| 230 VOLT | | 460 VOLT | | 230 VOLT | 460 VOLT | 230 VOLT | 460 VOLT | 230 VOLT | 460 VOLT | |
| 18.04 | | 9.02 | | 58.8 | 29.4 | 365.0 | 182.5 | | | 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 |
|-----------------|-------------------|--------------|-----------------|--|--|--|-------------------------------|-----------------------------------|
| 74.36 | 210 | 165 | 235 | 3.71 | 122 | 179 | 4.74 | 6.90 |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

DOWNTHRUST L10:8800 HOURS

COLD
17

HOT
12

COLD
2

HOT
1

72.4

3350

APPROVED:

M. PRATER

DRAWING NO.

31057VHP0254

REVISION **0**