

TECO Westinghouse

| | | |
|---------------------------|--------------------------------|----------------------------|
| ISSUED 07/21/08 | PERFORMANCE DATA | ENCLOSURE TEFC |
| TYPE AEEANEJM | 3-PHASE INDUCTION MOTOR | CATALOG# JMN7/52 |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|------------|-------------|----------|--------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 7.5 | 5.60 | 2 | 213JM | 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. % | | | | | | |
| 3500 | 86.5 | 88.5 | 88.5 | 87.5 | 87.0 | 84.5 | 77.0 | 2 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 | |
| 6.33 | 5.72 | 2.86 | 20.13 | 18.20 | 9.10 | 140.43 | 127.00 | 63.50 | 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 |
|-----------------|-------------------|--------------|-----------------|--|--|--|-------------------------------|-----------------------------------|
| 11.25 | 230 | 200 | 300 | 0.34 | 8.3 | 16 | 3.59 | 6.78 |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| | | | | |
|-----------|-----------|----------|----------|----|
| COLD | HOT | COLD | HOT | 84 |
| 17 | 12 | 2 | 1 | |

| | | | | |
|-----------|------------------|-------------|---------------------|-------------------|
| APPROVED: | M. PRATER | DRAWING NO. | 31057JMN7/52 | REVISION 0 |
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