

TECO Westinghouse

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|-----------------------------------|--------------------------------|---------------------------|
| ISSUED October 10, 2019 | PERFORMANCE DATA | ENCLOSURE TEFC |
| TYPE AESV3W | 3-PHASE INDUCTION MOTOR | CATALOG# MP0202 |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|-----------|-------------|----------|-------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 20 | 14.9 | 2 | 160M | 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. % | | | | | | |
| 3550 | 89.7 | 91.0 | 91.1 | 90.1 | 92.5 | 90.5 | 86.0 | 4.2 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 | |
| 10.6 | 5.3 | 44.8 | 22.4 | 412 | 206 | K |

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 |
|-----------------|-------------------|--------------|-----------------|--|--|--|-------------------------------|-----------------------------------|
| 40.4 | 245 | 220 | 330 | 0.205 | 18.5 | 36.0 | 2.0 | 3.9 |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD | HOT | COLD | HOT | |
|-----------|----------|----------|----------|--|
| 17 | 8 | 2 | 1 | |

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|-----------|--------------|-------------|--------------------|-------------------|
| APPROVED: | K. Lo | DRAWING NO. | 31057MP0202 | REVISION 0 |
|-----------|--------------|-------------|--------------------|-------------------|