

SD36100

SEVERE DUTY – INVERTER RATED (10:1 VT; 5:1 CT)

Energy Efficient – Three Phase – TEFC - AC Motor



DIMENSIONS – INCHES

| | | | | | | | | | | |
|------|-------|------|------|-------|-------|-------|------|------|------|-------|
| A | B | C | D | E | 2F1 | 2F2 | G | H | J | O |
| 20 | 17.1 | 37.0 | 10 | 8 | 12.25 | 13.75 | 1.18 | 0.81 | 3.15 | 20.2 |
| P | R | S | T | U | ES | AA | AB | BA | N-W | Mount |
| 19.2 | 1.845 | 0.5 | 2.91 | 2.125 | 2.78 | 3 | 18.5 | 6.62 | 4.25 | F1 |

PERFORMANCE DATA

Three Phase – 60Hz - 208-230/460V – NEMA Design B - Max. Ambient: 40° C

| HP | Speed | Frame | NEMA Code | Efficiency (%) | | | Power Factor (%) | | | Torque (ft-lb) | | |
|--------------|-------|------------|-------------|------------------|----------------|----------------|------------------|-------|-------|----------------|------|------|
| | | | | 100% | 75% | 50% | 100% | 75% | 50% | FLT | BDT% | LRT% |
| 100 | 3565 | 405TS | G | 94.0 | 94.5 | 94.3 | 0.916 | 0.921 | 0.885 | 147.32 | 253 | 202 |
| Amps (460V) | | DE Bearing | ODE Bearing | Insulation Class | Enclosure Type | Service Factor | Weight (lbs) | | | | | |
| FLA | LRA | | | | | | | | | | | |
| 109.8 | 590.4 | 6314 | 6314 | F | TEFC | 1.15 | 1263 | | | | | |





50Hz AND 60Hz DATA FOR 3 PHASE AC INDUCTION MOTOR AS IT APPEARS ON THE NAMEPLATE.

SEVERE DUTY – INVERTER RATED (10:1 VT; 5:1 CT)

| | | | | | | | |
|---|-------------------------|--------------|---------|-------------------------|---------|--------------------------|---------------|
| CAT. NO: H36100 | | FRAME: 405TS | | ENCL: TEFC | | PHASE: 3 | |
| SHAFT END BRG: 6314 | | | | OPP/END BRG: 6314 | | | |
| MAX. AMB: 40° C | | INS CLASS: F | | RATING: CONT. | | MOTOR WEIGHT: 1263LBS | |
| USABLE ON 208V 60HZ AT: 242.8 MAX. AMPS | | | | | | SER: | |
| 60 HERTZ DATA | HP: 100 RPM: 3565 | | | HP: 100 RPM: 2960 | | | 50 HERTZ DATA |
| | VOLTAGE: 230/460V | | | VOLTAGE: 190/380V | | | |
| | F. L. AMPS: 219.6/109.8 | | | F. L. AMPS: 268.4/134.2 | | | |
| | S.F. AMPS: 254.4/127.2 | | | S.F. AMPS: 268.4/134.2 | | | |
| | S.F. 1.15 | DESIGN: B | CODE: G | S.F. 1.0 | DESIGN: | CODE: H | |
| | NEMA NOM. EFF: 94.0% | | | NEMA NOM. EFF: 92.4% | | | |
| | NOM. P. F.: 0.916 | | | NOM. P. F.: 0.919 | | | |
| | NEMA MIN. EFF.: 92.4% | | | NEMA MIN. EFF.: 91.0% | | | |
| | MAX. KVAR: 16.5 | | | MAX. KVAR: 12.9 | | | |

Note: F.L. = Full Load P.F. = Power Factor S.F. = Service Factor



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