

SD1230C

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

Energy Efficient – Three Phase – TEFC - AC Motor



DIMENSIONS – INCHES

| MOUNTING | | | | | A | B | C | D | G | J | P | L | BC | AH | AB | AA |
|----------|------|--------|----------|------|--------|------|------|--------|------|-----------------|------|-------|-------|------|------|----|
| E | 2F1 | 2F2 | H | BA | | | | | | | | | | | | |
| 6.25 | 10.5 | 12 | 0.66 | 5.25 | 16 | 15.1 | 33.3 | 8 | 1.11 | 2.75 | 15.8 | 18.5 | +0.25 | 5.00 | 14.8 | 2 |
| KEY | | | KEYSET R | | FLANGE | | | | | SHAFT EXTENSION | | | | | | |
| WIDTH | | LENGTH | | | AK | AJ | BF | | BB | BD | N-W | U | | | | |
| 0.500 | | 3.91 | | | 1.845 | 12.5 | 11 | 5/8-11 | 0.25 | 14 | 5.25 | 2.125 | | | | |

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% |
| 30 | 1180 | 326TC | G | 92.2 | 93.6 | 93.3 | 0.855 | 0.832 | 0.755 | 133.53 | 245 | 200 |
| Amps (460V) | | DE Bearing | ODE Bearing | Insulation Class | Enclosure Type | Service Factor | Weight (lbs) | | | | | |
| FLA | LRA | | | | | | | | | | | |
| 35.8 | 203.0 | 6312 | 6312 | F | TEFC | 1.15 | 675 | | | | | |



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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: H1230C | | FRAME: 326TC | | ENCL: TEFC | | PHASE: 3 | |
| SHAFT END BRG: 6312 | | | | OPP/END BRG: 6312 | | | |
| MAX. AMB: 40° C | | INS CLASS: F | | RATING: CONT. | | MOTOR WEIGHT: 675LBS | |
| USABLE ON 208V 60HZ AT: 79.2 MAX. AMPS | | | | | | SER: | |
| 60 HERTZ DATA | HP: 30 RPM: 1180 | | | HP: 30 RPM: 980 | | | 50 HERTZ DATA |
| | VOLTAGE: 230/460V | | | VOLTAGE: 190/380V | | | |
| | F. L. AMPS: 71.6/35.8 | | | F. L. AMPS: 85.4/42.7 | | | |
| | S.F. AMPS: 81.6/40.8 | | | S.F. AMPS: 85.4/42.7 | | | |
| | S.F. 1.15 | DESIGN: B | CODE: G | S.F. 1.0 | DESIGN: | CODE: H | |
| | NEMA NOM. EFF: 92.2% | | | NEMA NOM. EFF: 90.2% | | | |
| | NOM. P. F.: 0.855 | | | NOM. P. F.: 0.868 | | | |
| | NEMA MIN. EFF.: 90.2% | | | NEMA MIN. EFF.: 88.5% | | | |
| | MAX. KVAR: 9.08 | | | MAX. KVAR: 7.35 | | | |

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



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