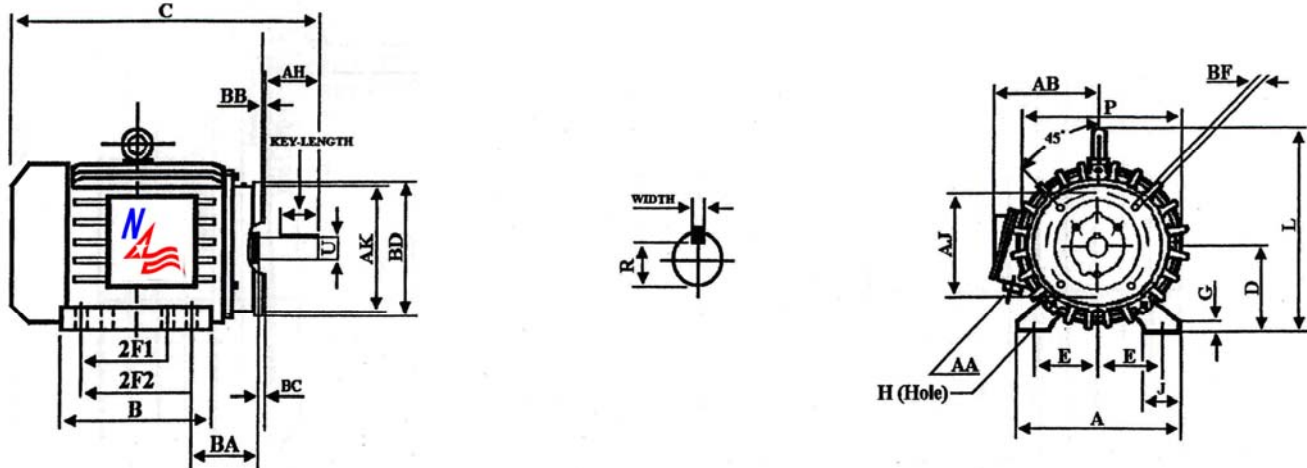


SD1275C

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 | 20 | 17.1 | 40.0 | 10 | 1.18 | 3.15 | 19.2 | 23.11 | +0.25 | 7.00 | 18.5 | 3 |
| KEY | | | KEYSET R | | FLANGE | | | | | SHAFT EXTENSION | | | | | | |
| WIDTH | | LENGTH | | AK | AJ | BF | | BB | BD | N-W | U | | | | | |
| 0.750 | | 5.65 | | 2.45 | 12.5 | 11 | 5/8-11 | | 0.25 | 15.5 | 7.25 | 2.875 | | | | |

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% |
| 75 | 1185 | 405TC | G | 94.1 | 95.1 | 94.9 | 0.886 | 0.871 | 0.813 | 332.41 | 253 | 200 |
| Amps (460V) | | DE Bearing | ODE Bearing | Insulation Class | Enclosure Type | Service Factor | Weight (lbs) | | | | | |
| FLA | LRA | | | | | | | | | | | |
| 83.2 | 497.3 | 6316 | 6314 | F | TEFC | 1.15 | 1279 | | | | | |



North American Electric, Inc. 350 Vaiden Drive, Hernando, MS 38632

Toll Free: 1-800-884-0405 Phone: 662-429-8049 Fax: 662-429-8546

www.northamericanelectric-inc.com



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: H1275C | | FRAME: 405TC | | ENCL: TEFC | | PHASE: 3 | |
| SHAFT END BRG: 6316 | | | | OPP/END BRG: 6314 | | | |
| MAX. AMB: 40° C | | INS CLASS: F | | RATING: CONT. | | MOTOR WEIGHT: 1279LBS | |
| USABLE ON 208V 60HZ AT: 184.0 MAX. AMPS | | | | | | SER: | |
| 60 HERTZ DATA | HP: 75 RPM: 1185 | | | HP: 75 RPM: 985 | | | 50 HERTZ DATA |
| | VOLTAGE: 230/460V | | | VOLTAGE: 190/380V | | | |
| | F. L. AMPS: 166.4/83.2 | | | F. L. AMPS: 202.4/101.2 | | | |
| | S.F. AMPS: 193.2/96.6 | | | S.F. AMPS: 202.4/101.2 | | | |
| | S.F. 1.15 | DESIGN: B | CODE: G | S.F. 1.0 | DESIGN: | CODE: H | |
| | NEMA NOM. EFF: 94.1% | | | NEMA NOM. EFF: 92.4% | | | |
| | NOM. P. F.: 0.886 | | | NOM. P. F.: 0.894 | | | |
| | NEMA MIN. EFF.: 92.4% | | | NEMA MIN. EFF.: 91.0% | | | |
| | MAX. KVAR: 17.6 | | | MAX. KVAR: 12.3 | | | |

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



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