

EFFECTIVE:  
09-MAY-11

# HORIZONTAL MOTORS

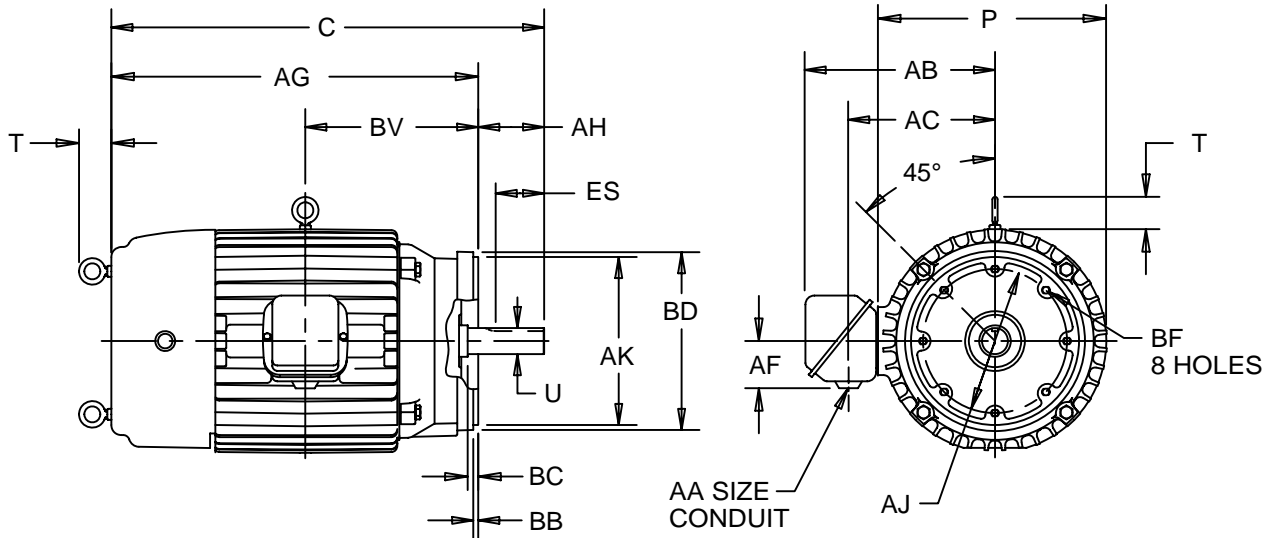
AUTOMOTIVE DUTY WITH NEMA "C" BRACKET

PRINT:  
07-2559

SUPERSEDES:  
12-MAR-03

FRAME: 404, 405UC  
BASIC TYPE: JAD

SHEET:  
1 OF 1



ALL DIMENSIONS ARE IN INCHES AND MILLIMETERS

| UNITS | C     | P <sup>4</sup> | T    | U<br>-.001 | AA        | AB    | AC    | AF   | AG    | AH   |
|-------|-------|----------------|------|------------|-----------|-------|-------|------|-------|------|
| IN    | 38.13 | 20.88          | 2.94 | 2.375      | 2 1/2 NPT | 17.75 | 13.44 | 4.19 | 31.25 | 6.88 |
| MM    | 969   | 530            | 75   | 60.33      |           | 451   | 341   | 106  | 794   | 175  |

| UNITS | AJ     | AK<br>-.005 | BB<br>MIN | BC  | BD<br>MAX | BF <sup>2</sup> | BV    | ES<br>MIN | SQ<br>KEY |
|-------|--------|-------------|-----------|-----|-----------|-----------------|-------|-----------|-----------|
| IN    | 11.000 | 12.500      | .25       | .25 | 15.50     | 5/8-11 X .94    | 13.75 | 5.69      | .625      |
| MM    | 279.40 | 317.50      | 6         | 6   | 394       |                 | 349   | 145       | 15.88     |

| TOLERANCES                                  |             |
|---|-------------|
| FACE RUNOUT                                 | .007 T.I.R. |
| PERMISSIBLE ECCENTRICITY OF MOUNTING RABBET | .007 T.I.R. |
| PERMISSIBLE SHAFT RUNOUT                    | .003 T.I.R. |

- 1: ALL ROUGH DIMENSIONS MAY VARY BY .25" DUE TO CASTING AND/OR FABRICATION VARIATIONS.
- 2: TAP SIZE AND BOLT PENETRATION ALLOWANCE.
- 3: ALL TAPPED HOLES ARE UNIFIED NATIONAL COARSE, RIGHT HAND THREAD.
- 4: LARGEST MOTOR WIDTH.

- 5: CONDUIT BOX MAY BE LOCATED ON EITHER SIDE OF MOTOR. CONDUIT OPENINGS MAY BE LOCATED IN STEPS OF 90 DEGREES REGARDLESS OF LOCATION. STANDARD AS SHOWN WITH CONDUIT OPENING DOWN.
- 6: TOLERANCES SHOWN ARE IN INCHES ONLY.
- 7: THIS UNIT MAY HAVE HORIZONTAL LIFTING, VERTICAL LIFTING OR BOTH.

07-2559/A

**Nidec Motor Corporation**  
St. Louis, Missouri

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