

EFFECTIVE:
30-MAR-11

HORIZONTAL MOTORS

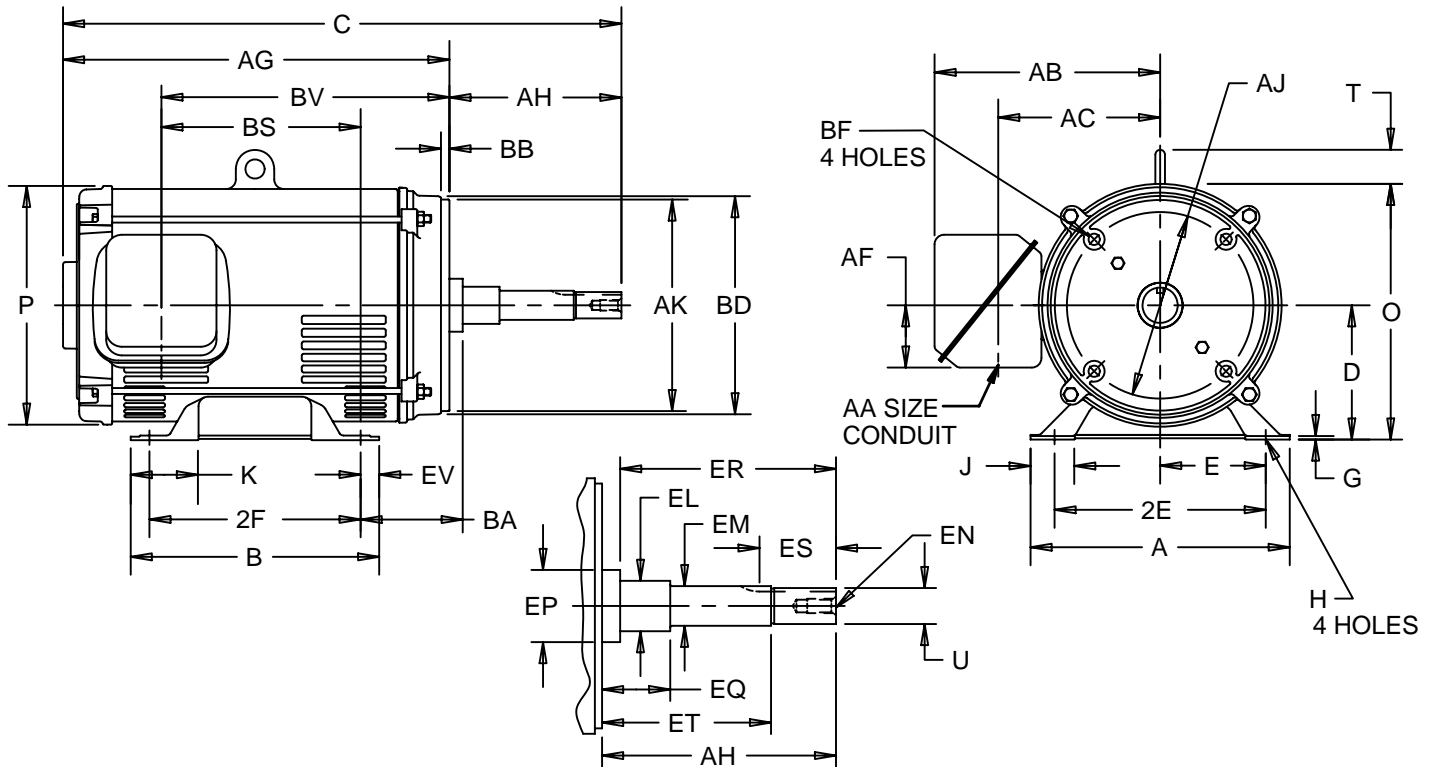
ODP- CLOSE COUPLED PUMP-WORLD MOTOR

PRINT:
07-2021

SUPERSEDES:
27-OCT-97

FRAME: 280-320JP
BASIC TYPE: D

SHEET:
1 OF 1



ALL DIMENSIONS ARE IN INCHES

| BASIC FRAME | A | D -.06 | E | 2E ±.03 | G | H +.05 | J | K | O | P ² | T | U -.0005 | AA |
|-------------|-------|-----------|------|------------|-----|-----------|------|------|-------|----------------|------|-------------|------|
| 280 | 13.50 | 7.00 | 5.50 | 11.00 | .19 | .53 | 2.31 | 3.53 | 13.19 | 12.44 | 2.22 | 1.2495 | 2.00 |
| 320 | 15.00 | 8.00 | 6.25 | 12.50 | .25 | .66 | 2.31 | 3.53 | 15.13 | 14.19 | 2.38 | 1.2495 | 2.00 |

| BASIC FRAME | AB | AC | AF | AH ±.031 | AJ | AK -.005 | BA | BB ±.031 | BD MAX | BF ³ | EL -.002 |
|-------------|-------|------|------|-------------|-------|-------------|------|-------------|-----------|-----------------|-------------|
| 280 | 11.75 | 8.44 | 3.25 | 8.125 | 11.00 | 12.500 | 4.75 | .281 | 14.00 | 5/8-11 X .94 | 1.750 |
| 320 | 12.81 | 9.31 | 3.25 | 8.125 | 11.00 | 12.500 | 5.25 | .281 | 14.00 | 5/8-11 X .94 | 1.750 |

| BASIC FRAME | EM -.0005 | EN ³ | EP MIN | EQ ±.015 | ER MIN | ES MIN | ET ±.020 | EV | SQ KEY |
|-------------|--------------|-----------------|-----------|-------------|-----------|-----------|-------------|------|-----------|
| 280 | 1.3750 | 1/2-13 X 1.00 | 2.13 | 2.375 | 8.13 | 2.53 | 5.875 | .97 | .25 |
| 320 | 1.3750 | 1/2-13 X 1.00 | 2.13 | 2.375 | 8.13 | 2.53 | 5.875 | 1.00 | .25 |

| FRAME | B | C | 2F ±.03 | AG | BS | BV |
|-------|-------|-------|------------|-------|-------|-------|
| 284 | 12.94 | 28.63 | 9.50 | 20.50 | 10.38 | 15.38 |
| 286 | 12.94 | 28.63 | 11.00 | 20.50 | 10.38 | 15.38 |
| 324 | 13.94 | 30.38 | 10.50 | 22.25 | 11.50 | 17.00 |
| 326 | 13.94 | 30.38 | 12.00 | 22.25 | 11.50 | 17.00 |

- 1: ALL ROUGH CASTING DIMENSIONS MAY VARY BY .25" DUE TO CASTING AND/OR FABRICATION VARIATIONS.
- 2: LARGEST MOTOR WIDTH.
- 3: TAP SIZE AND BOLT PENETRATION ALLOWANCE.
- 4: CONDUIT BOX MAY BE LOCATED ON EITHER SIDE AND CONDUIT OPENING MAY BE LOCATED IN STEPS OF 90 DEGREES REGARDLESS OF LOCATION. STANDARD AS SHOWN WITH CONDUIT OPENING DOWN.

| TOLERANCES | |
|---|-------------|
| FACE RUNOUT | .006 T.I.R. |
| PERMISSIBLE ECCENTRICITY OF MOUNTING RABBET | .006 T.I.R. |
| PERMISSIBLE SHAFT RUNOUT | .003 T.I.R. |

07-2021/A

Nidec Motor Corporation
St. Louis, Missouri

INFORMATION DISCLOSED ON THIS DOCUMENT IS CONSIDERED PROPRIETARY AND SHALL NOT BE REPRODUCED OR DISCLOSED WITHOUT WRITTEN CONSENT OF NIDEC MOTOR CORPORATION



ISSUED BY
R. KING
APPROVED BY
K. POTTER

IHP_DP_NMCA (MAR-2011) SOLIDEDGE