|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| \\ape-deb\Data\Website APE\2021\Key Product Catalog\IMO Pumps\IMO-logo 2020.jpg | **CIG Gear Pump – Single Pump Dimensions** | | | | | | | | | | | | | | | | | | | | |
| Pump Series | | **CIG-2** | | | | **CIG-3** | | | **CIG-4** | | | **CIG-5** | | | **CIG-6** | | | **CIG-8** | | | |
| Frame Size | | **2** | | | | **3** | | | **4** | | | **5** | | | **6** | | | **8** | | | |
| Pump Type | | 21 | 22 | | 23 | 31 | 32 | 33 | 41 | 42 | 43 | 51 | 52 | 53 | 61 | 62 | 63 | 81 | 82 | 83 | |
| Dimensional Drawing | | A | B | | C | A | B | C | A | B | C | A | B | C | A | B**B** | **C** | A | B | C | |
| Suction Port \*2  SAE 4-Bolt (in.) | | 1” | | | | 1 ¼” | | | 1 ½ “ | | | 2” | | | 2 ½” | | | 3” | | | |
| **Pressure** Port\*2  SAE 4-Bolt (in.) | | ½” | | | | ¾” | | | 1” | | | 1 ¼” | | | 1 ½” | | | 2” | | | |
| **PUMP BODY:** | | | | | | | | | | | | | | | | | | | | | |
| **A** (in.) | | 4.65 | | | | 5.19 | | | 6.69 | | | 8.34 | | | 10.51 | | | 12.99 | | | |
| **B** (SAE) | | 3.937 | | \*1 | | 4.173 | | | 5.748 | | | 7.125 | | | 9.015 | | | 11.024 | | | \*1 |
| **C** (in.) | | .355 | | | | .433 | | | .551 | | | .709 | | | .866 | | | 1.024 | | | |
| **I** (in.) | | 1.735 | | | | 1.968 | | | 2.677 | | | 3.622 | | | 3.622 | | | 4.606 | | | |
| **K** (in.) | | 2.994 | | | | 3.462 | | | 4.409 | | | 5.670 | | | 6.024 | | | 7.560 | | | |
| **L** (in.) | | 6.50 | | | 7.88 | 7.72 | | 9.49 | 9.49 | | 11.69 | 11.81 | | 14.57 | 13.54 | | 17.08 | 16.77 | | 21.34 | |
| **M** (in.) | | 0 | 2.08 | | 3.47 | 0 | 2.48 | 4.25 | 0 | 2.99 | 5.12 | 0 | 3.62 | 6.38 | 0 | 4.33 | 7.87 | 0 | 5.55 | 10.07 | |
| **N** (SAE) | | 2.480  2.478 | | | \*1 | 3.250  3.248 | | (SAE A) | 4.000  3.998 | | (SAE B) | 5.000  4998 | | (SAEC) | 6.000  5.998 | | (SAE D) | 7.874  7.872 | | \*1 | |
| **O** (in.) | | .47 | | | | .47 | | | .63 | | | .79 | | | .95 | | | 1.18 | | | |
| **T** (in.) | | 3.74 | | | | 4.53 | | | 5.70 | | | 7.09 | | | 8.82 | | | 10.87 | | | |
| **V** (in.) | | .236 | | | | .236 | | | .275 | | | .275 | | | .275 | | | .354 | | | |
| **Z** (in.) | | 1.97 | | | | 2.36 | | | 2.95 | | | 3.66 | | | 4.53 | | | 5.55 | | | |
| **SHAFT:** | | | | | | | | | | | | | | | | | | | | | |
| **D** (in.) | | .7874 | | | | .9850 | | | 1.2598 | | | 1.5748 | | | 1.9585 | | | 2.5590 | | | |
| ***D*** *(TOL)* | | +.0035  -.0016 | | | +.009  -.004 | +.0035  -.0016 | | +.009  -.004 | +.00043  -.00020 | | +.011  -.005 | +.00043  -.00020 | | +.011  -.005 | +.00043  -.00020 | | +.011  -.005 | +.00047  -.00027 | | +.012  -.007 | |
| **E** (in.) | | 1.417 | | | | 1.653 | | | 2.283 | | | 3.228 | | | 3.228 | | | 4.134 | | | |
| **F** (in.) | | .236 | | | | .315 | | | .394 | | | .472 | | | .551 | | | .708 | | | |
| **G** (in.) | | .886 | | | | 1.102 | | | 1.376 | | | 1.693 | | | 2.106 | | | 2.716 | | | |
| **WEIGHT:** | | | | | | | | | | | | | | | | | | | | | |
| (lbs.) | | 15 | 15 | | 19 | 25 | 25 | 33 | 47 | 47 | 62 | 90 | 90 | 117 | 165 | 165 | 227 | 320 | 320 | 440 | |

\*1 There is no SAE standard on this dimension for pump frame sizes 2 and 8

\*2 SAE 4-Bolt Port Pads have UNC (inch) bolt threads as follows: *Flange connections with bolts are available on request*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Port Size: | ½” | ¾” | 1” | 1 ¼” | 1 ½” |
| Bolt Threads: | 5/16”-18x1½” | 3/8”-18x1½” | 3/8”-16x1¾” | 7/16”-14x2” | ½ “-13x2¼” |
| Port Size: | 2” | 2 ½” | 3” | 3 ½” | 4” |
| Bolt Threads: | ½”-13x2½” | ½”-13x2 ¾” | 5/8”-11x3” | 5/8”-11x2½” | 5/8”-11x2¾” |

|  |  |  |
| --- | --- | --- |
| **Dimensional**  **Drawing A**  **CIG X1** | **Dimensional**  **Drawing B**  **CIG X2** | **Dimensional**  **Drawing C**  **CIG X3** |
|  | | |