



| Size | ROTOR DIA x LG. | CU. FT./REV. AS | DIMENSIONS |       |       |       |       |       |       |     |      |      |             |       |       |       |           |       |       |      |      | WEIGHT |          |       |       |     |
|------|-----------------|-----------------|------------|-------|-------|-------|-------|-------|-------|-----|------|------|-------------|-------|-------|-------|-----------|-------|-------|------|------|--------|----------|-------|-------|-----|
|      |                 |                 | A          | A1    | A2    | B     | C     | D     | E     | F   | G    | H    | J           | K     | L     | M     | N         | Q     | R     | S    | T    | U      | V        | X     | Y     | C/S |
| 4    | 6x4             | .050            | 11.38      | 5.88  | 5.50  | 20.75 | 11.69 | 7.81  | 8.69  | .31 | 1.44 | 1.25 | 38x.19x2.62 | 9.00  | 7.50  | 4.00  | (8) .75   | 7.50  | 4.00  | .62  | 3.12 | N/A    | (8) .56  | 13.31 | 20.38 | 225 |
| 5    | 8x5             | .118            | 14.00      | 7.38  | 6.62  | 21.62 | 12.06 | 8.31  | 9.06  | .44 | 1.44 | 1.25 | 38x.19x2.62 | 10.00 | 8.50  | 5.00  | (8) .88   | 8.50  | 5.00  | .62  | 3.62 | N/A    | (8) .56  | 14.31 | 20.38 | 290 |
| 6    | 10x6            | .228            | 16.76      | 8.88  | 7.88  | 23.50 | 13.00 | 9.25  | 10.00 | .44 | 1.94 | 1.75 | 50x.25x2.62 | 11.00 | 9.50  | 6.00  | (8) .88   | 9.50  | 6.00  | .62  | 4.12 | N/A    | (8) .56  | 15.38 | 20.38 | 350 |
| 8    | 12x8            | .425            | 19.76      | 10.88 | 8.88  | 25.50 | 14.00 | 10.25 | 11.00 | .44 | 1.94 | 1.75 | 50x.25x2.62 | 13.50 | 11.75 | 8.00  | (8) .88   | 11.50 | 8.00  | .62  | 5.12 | 2.56   | (16) .56 | 16.38 | 25.00 | 445 |
| 10   | 15x10           | .867            | 24.00      | 13.38 | 10.62 | 27.81 | 15.06 | 11.25 | 12.06 | .44 | 2.19 | 2.00 | 50x.25x2.62 | 16.00 | 14.25 | 10.00 | (12) 1.00 | 14.75 | 10.00 | 1.00 | 6.38 | 3.19   | (16) .56 | 18.00 | 20.38 | 580 |
| 12   | 17x12           | 1.372           | 26.63      | 15.38 | 11.25 | 31.00 | 17.06 | 12.44 | 13.31 | .56 | 2.44 | 2.25 | 62x.31x3.38 | 19.00 | 17.00 | 12.00 | (12) 1.00 | 16.75 | 12.00 | 1.00 | 7.38 | 3.69   | (16) .56 | 19.00 | 21.38 | 730 |

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTIFICATION

- NOTES:**
1. VALVE HOUSINGS ARE FABRICATED OF STEEL OR STAINLESS STEEL. ALL ROTORS ARE FABRICATED OF STEEL OR STAINLESS STEEL.
  2. VALVE HOUSINGS ARE AVAILABLE WITH A SQUARE OR ROUND INLET AND OUTLET. ROUND FLANGES MATCH 150# ANSI DRILLING.
  3. STANDARD HOUSINGS ARE DESIGNED FOR 15 PSI (MAX) INTERNAL & DIFFERENTIAL @ 250 DEGREES F.
  4. END PLATE O-RINGS ARE OPTIONAL AND WILL BE FURNISHED ONLY WHEN SPECIFIED.
  5. AIR PURGE CONNECTIONS 1/8" NPT WITH BRASS LANTERN RINGS ARE OPTIONAL AND WILL BE FURNISHED ONLY WHEN SPECIFIED.

| GENERAL TOLERANCES                                   |  |
|--|--|
| UNLESS OTHERWISE SPECIFIED THE FOLLOWING SHALL APPLY |  |
| MACHINING - .XX= .02 .XXX= .005 ANGLE= .50°          |  |
| SURFACE ROUGHNESS HEIGHT 63 MICRONS OR LESS          |  |
| FABRICATION - UNDER 6 6 TO 24 24 TO 60 OVER 60       |  |
| ± .06 ± .12 ± .19 ± .25                              |  |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES  |  |

| REV. NO.  | DESCRIPTION          | DATE | BY   |
|---|----------------------|------|------|
| REVISIONS   |                      |      |      |
| CUSTOMER  |                      |      |      |
| CUST. NO.   |                      |      |      |
| YOUNG ORDER NO.   |                      |      |      |
| TITLE   |                      |      |      |
| <b>THE YOUNG INDUSTRIES, INC.</b><br>MUNCY, PENNSYLVANIA 17756<br>TELEPHONE: 570-546-3165 |                      |      |      |
| DRAWN BY: BMF   | DATE DRAWN: 10/29/18 |      |      |
| CHECKED BY:   | SCALE: 1:4           |      |      |
| DRAWING NUMBER  | S-4-8255             |      | REV: |