

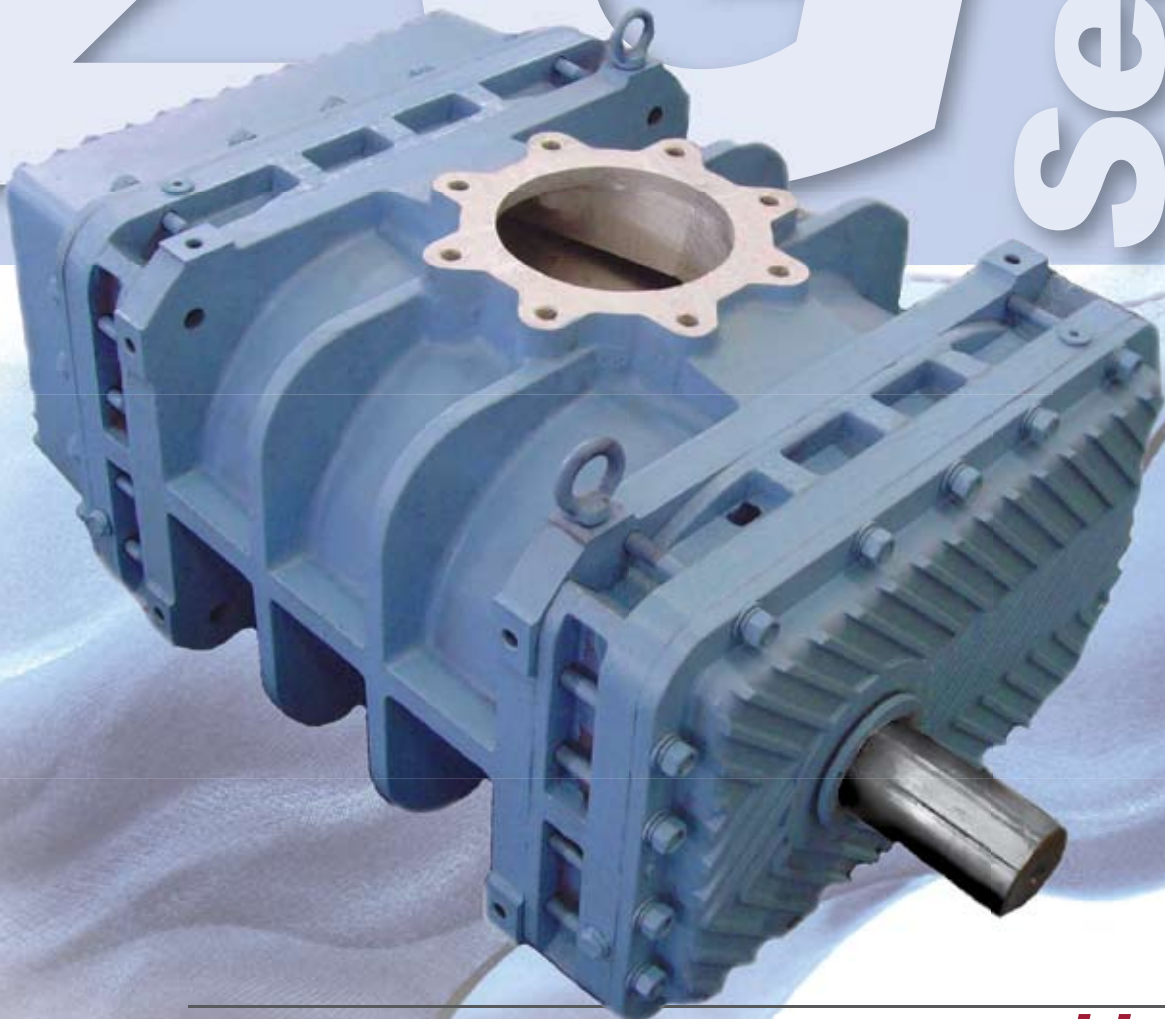


EurusBlower



ZG Series

*Three-lobe Positive Displacement Blower
& Vacuum Pumps*



ZG Series

www.eurusblower.com

Shandong Zhangqiu Blower Co., Ltd.

est. 1968

est. 2008



EurusBlower

EurusBlower

Over 30 Years Experience

Shandong Zhangqiu Blower Co., Ltd., was founded in 1968 on the principles of providing quality, value and dependability. After 20 years of establishing a solid foundation in China, they began to export their blowers in the late 1990's. The company quickly became known as a leader in blower technology across international markets.

In 2008, Shandong Zhangqiu Blower Co., Ltd. decided to take its 30-plus years of experience and establish **Eurus Blower** in southeastern Virginia—one of the fastest growing industrial areas on the east coast of the United States.

- **Quality**
- **Value**
- **Dependability**



Eurus Blower: Built For Long Life

- Heavy duty, oversized bearings designed for longer L10 life in industrial applications.

- Dual-splash aluminum tank design ensures gear and bearing longevity.

- One piece integrated ductile iron rotors and shafts, large shaft diameters, one piece high strength housing, and one piece end plates reduce torsion and vibration.

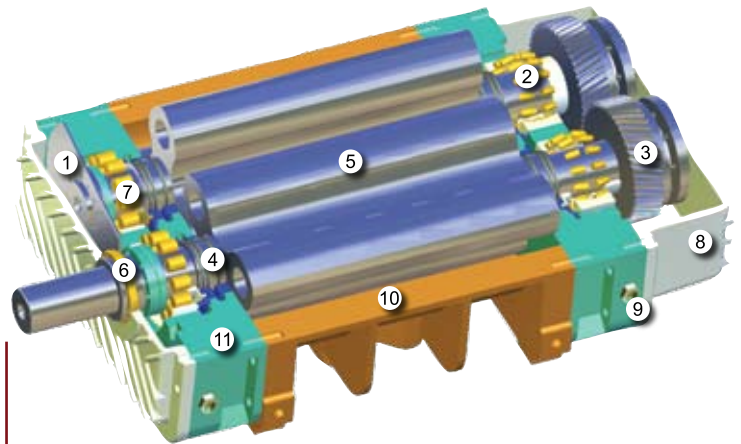
- Housings are designed for horizontal or vertical mounting configurations.

- Multi-piston ring air and oil seals minimize maintenance costs and ensure delivery without oil and air cross contamination.

- Viton lip oil seals with o-rings prevent oil leakage.

- Wearable shaft sleeves prevent oil leakage past drive shaft and extends shaft life.

- The innovative Tri-Lobe rotor profile and advanced housing design reduce noise and vibration on ZG models.



1. Taper-lock Shaft Mounting



2. Oversized Bearings



3. Precision Helical Timing Gears



4. Multi-piston Ring Oil/Air Seals



5. Ductile Iron Rotor



6. Viton Oil Seals on Wearable Shaft Sleeves

7. Roller Drive Bearing

8. Aluminum Oil Covers

9. Oil Sight Glasses

10. Cast Iron Housing

11. High Strength End Plate

Capacity Data: ZG Models 50, 65, 80, 100

| MODEL | SPEED | Theoretical Capacity CFM | 2PSI | | 3PSI | | 4PSI | | 5PSI | | 6PSI | | 7PSI | | 8PSI | | 9PSI | | 10PSI | | 12PSI | | 14PSI | | 15PSI | | |
|--------------|-------|--------------------------|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|-------|-----|-------|------|-------|------|-------|------|--|
| | RPM | | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | |
| ZG 50 | 1450 | 60 | 36 | 1.1 | 27 | 1.4 | 20 | 1.5 | 16 | 1.8 | 13 | 2.1 | 9 | 2.4 | | | | | | | | | | | | | |
| | 2000 | 82 | 58 | 1.6 | 49 | 1.9 | 44 | 2.2 | 40 | 2.6 | 35 | 3.0 | 31 | 3.3 | 33 | 3.7 | 20 | 4.1 | 22 | 4.4 | | | | | | | |
| | 2500 | 103 | 79 | 1.9 | 70 | 2.4 | 65 | 2.7 | 61 | 3.2 | 56 | 3.7 | 52 | 4.1 | 54 | 4.6 | 41 | 5.0 | 43 | 5.4 | | | | | | | |
| | 3000 | 124 | 99 | 2.1 | 90 | 2.6 | 86 | 3.2 | 82 | 3.8 | 77 | 4.4 | 73 | 4.9 | 75 | 5.4 | 62 | 5.9 | 63 | 6.4 | 57 | 7.6 | | | | | |
| | 3500 | 144 | 120 | 2.4 | 111 | 3.1 | 106 | 3.7 | 102 | 4.4 | 97 | 4.9 | 93 | 5.6 | 95 | 6.2 | 82 | 6.9 | 84 | 7.5 | 78 | 8.8 | 75 | 10.1 | 72 | 10.7 | |
| | 4000 | 165 | 141 | 2.7 | 132 | 3.5 | 127 | 4.2 | 123 | 5.0 | 118 | 5.6 | 114 | 6.4 | 116 | 7.1 | 103 | 7.9 | 104 | 8.5 | 99 | 10.0 | 96 | 11.4 | 93 | 12.1 | |
| | 4500 | 185 | 161 | 3.1 | 152 | 3.9 | 148 | 4.8 | 144 | 5.5 | 138 | 6.4 | 135 | 7.2 | 137 | 8.0 | 123 | 8.8 | 124 | 9.5 | 119 | 11.2 | 117 | 12.8 | 114 | 13.6 | |
| 5000 | 206 | 182 | 3.4 | 172 | 4.3 | 168 | 5.3 | 164 | 6.1 | 159 | 7.1 | 155 | 8.0 | 157 | 8.8 | 144 | 9.7 | 146 | 10.6 | 139 | 12.3 | 136 | 14.2 | 134 | 15.1 | | |

| MODEL | SPEED | Theoretical Capacity CFM | 2PSI | | 3PSI | | 4PSI | | 5PSI | | 6PSI | | 7PSI | | 8PSI | | 9PSI | | 10PSI | | 12PSI | | 14PSI | | 15PSI | | |
|--------------|-------|--------------------------|------|-----|------|-----|------|-----|------|-----|------|------|------|------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|--|
| | RPM | | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | |
| ZG 65 | 2000 | 138 | 104 | 2.3 | 98 | 2.9 | 77 | 3.5 | 70 | 4.1 | 61 | 4.7 | 55 | 5.3 | 50 | 5.9 | 44 | 6.5 | 41 | 7.1 | | | | | | | |
| | 2500 | 173 | 140 | 2.9 | 134 | 3.6 | 112 | 4.4 | 105 | 5.1 | 96 | 5.9 | 90 | 6.6 | 85 | 7.4 | 79 | 8.1 | 76 | 8.9 | 69 | 10.4 | | | | | |
| | 3000 | 208 | 175 | 3.4 | 169 | 4.3 | 146 | 5.3 | 139 | 6.2 | 130 | 7.0 | 124 | 8.0 | 119 | 8.9 | 114 | 9.8 | 111 | 10.7 | 103 | 12.6 | 100 | 14.3 | 97 | 15.2 | |
| | 3500 | 243 | 211 | 4.1 | 205 | 5.1 | 181 | 6.2 | 174 | 7.2 | 165 | 8.2 | 159 | 9.3 | 154 | 10.3 | 149 | 11.4 | 145 | 12.5 | 138 | 14.6 | 135 | 16.7 | 131 | 17.7 | |
| | 4000 | 277 | 246 | 4.6 | 241 | 5.8 | 216 | 7.1 | 208 | 8.2 | 200 | 9.4 | 193 | 10.6 | 189 | 11.8 | 183 | 13.1 | 180 | 14.2 | 172 | 16.6 | 170 | 19.0 | 166 | 20.3 | |
| | 4500 | 312 | 282 | 5.2 | 276 | 6.5 | 250 | 7.8 | 243 | 9.3 | 234 | 10.6 | 228 | 11.9 | 223 | 13.4 | 218 | 14.7 | 214 | 16.0 | 207 | 18.7 | 204 | 21.4 | 200 | 22.8 | |
| 5000 | 347 | 317 | 5.7 | 312 | 7.2 | 285 | 8.7 | 278 | 10.2 | 269 | 11.7 | 263 | 13.3 | 258 | 14.8 | 253 | 16.3 | 249 | 17.7 | 242 | 20.8 | 239 | 23.8 | 235 | 25.3 | | |

| MODEL | SPEED | Theoretical Capacity CFM | 2PSI | | 3PSI | | 4PSI | | 5PSI | | 6PSI | | 7PSI | | 8PSI | | 9PSI | | 10PSI | | 12PSI | | 14PSI | | 15PSI | | |
|--------------|-------|--------------------------|------|-----|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|--|
| | RPM | | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | |
| ZG 80 | 2000 | 257 | 204 | 3.8 | 193 | 4.9 | 184 | 6.0 | 176 | 7.1 | 170 | 8.2 | 165 | 9.3 | 167 | 10.4 | 154 | 11.5 | 152 | 12.6 | | | | | | | |
| | 2300 | 296 | 243 | 4.3 | 232 | 5.6 | 224 | 6.9 | 216 | 8.2 | 210 | 9.4 | 205 | 10.7 | 207 | 12.1 | 194 | 13.4 | 191 | 14.6 | 184 | 17.2 | | | | | |
| | 2500 | 321 | 270 | 4.7 | 259 | 6.1 | 251 | 7.5 | 243 | 8.8 | 237 | 10.3 | 232 | 11.7 | 234 | 13.1 | 221 | 14.5 | 218 | 15.8 | 210 | 18.7 | 207 | 21.6 | 203 | 23.0 | |
| | 2800 | 357 | 310 | 5.3 | 298 | 6.8 | 290 | 8.4 | 282 | 9.9 | 277 | 11.6 | 272 | 13.1 | 274 | 14.6 | 261 | 16.2 | 258 | 17.7 | 251 | 20.9 | 246 | 23.9 | 242 | 25.5 | |
| | 3000 | 385 | 335 | 5.8 | 325 | 7.5 | 317 | 9.1 | 309 | 10.8 | 303 | 12.5 | 298 | 14.2 | 300 | 15.9 | 288 | 17.6 | 285 | 19.2 | 277 | 22.6 | 273 | 25.9 | 269 | 27.6 | |
| | 3300 | 424 | 373 | 6.4 | 365 | 8.2 | 355 | 10.1 | 347 | 11.9 | 343 | 13.8 | 338 | 15.6 | 340 | 17.5 | 328 | 19.4 | 325 | 21.1 | 317 | 24.8 | 313 | 28.6 | 309 | 30.4 | |
| | 3500 | 448 | 398 | 6.8 | 390 | 8.8 | 380 | 10.6 | 372 | 12.6 | 369 | 14.6 | 365 | 16.6 | 367 | 18.6 | 354 | 20.5 | 351 | 22.3 | 344 | 26.4 | 339 | 30.3 | 336 | 32.2 | |
| | 3800 | 487 | 441 | 7.3 | 429 | 9.5 | 422 | 11.7 | 414 | 13.7 | 408 | 15.9 | 404 | 18.0 | 406 | 20.1 | 392 | 22.2 | 392 | 24.3 | 382 | 28.6 | 380 | 32.8 | 376 | 34.9 | |
| 4000 | 512 | 466 | 7.6 | 458 | 9.9 | 450 | 12.2 | 443 | 14.4 | 436 | 16.6 | 428 | 18.8 | 430 | 21.1 | 422 | 23.3 | 416 | 25.5 | 410 | 30.0 | 407 | 34.5 | 403 | 36.7 | | |

| MODEL | SPEED | Theoretical Capacity CFM | 2PSI | | 3PSI | | 4PSI | | 5PSI | | 6PSI | | 7PSI | | 8PSI | | 9PSI | | 10PSI | | 12PSI | | 14PSI | | 15PSI | | |
|---------------|-------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|--|
| | RPM | | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | |
| ZG 100 | 2000 | 385 | 310 | 5.3 | 296 | 7.0 | 283 | 8.5 | 271 | 10.3 | 262 | 12.0 | 254 | 13.6 | 257 | 15.4 | 239 | 17.0 | 234 | 18.7 | 222 | 22.0 | | | | | |
| | 2300 | 441 | 370 | 6.2 | 355 | 8.1 | 342 | 10.0 | 330 | 12.0 | 322 | 13.8 | 314 | 15.8 | 317 | 17.8 | 299 | 19.7 | 294 | 21.5 | 283 | 25.5 | | | | | |
| | 2500 | 480 | 409 | 6.7 | 393 | 8.8 | 381 | 11.0 | 369 | 13.1 | 361 | 15.1 | 354 | 17.2 | 357 | 19.3 | 340 | 21.4 | 334 | 23.5 | 323 | 27.7 | 316 | 31.9 | 310 | 34.0 | |
| | 2800 | 540 | 469 | 7.7 | 454 | 10.0 | 441 | 12.4 | 429 | 14.8 | 421 | 17.1 | 414 | 19.5 | 417 | 21.8 | 399 | 24.2 | 395 | 26.4 | 384 | 31.2 | 376 | 36.0 | 370 | 38.3 | |
| | 3000 | 579 | 508 | 8.3 | 496 | 10.9 | 483 | 13.3 | 472 | 15.8 | 463 | 18.4 | 453 | 20.9 | 456 | 23.5 | 441 | 26.0 | 434 | 28.4 | 423 | 33.5 | 414 | 38.6 | 409 | 41.1 | |
| | 3300 | 636 | 568 | 9.1 | 552 | 11.8 | 543 | 14.6 | 532 | 17.4 | 523 | 20.1 | 517 | 22.9 | 520 | 25.6 | 501 | 28.4 | 494 | 31.1 | 483 | 36.8 | 478 | 42.3 | 472 | 45.1 | |
| | 3500 | 674 | 608 | 9.5 | 595 | 12.4 | 582 | 15.5 | 571 | 18.4 | 562 | 21.3 | 555 | 24.2 | 558 | 27.2 | 540 | 30.1 | 536 | 32.9 | 522 | 39.0 | 517 | 44.8 | 511 | 47.8 | |
| | 3800 | 731 | 668 | 10.3 | 651 | 13.5 | 642 | 16.6 | 631 | 19.8 | 622 | 23.0 | 615 | 26.2 | 618 | 29.5 | 600 | 32.6 | 596 | 35.7 | 586 | 42.2 | 577 | 48.5 | 571 | 51.7 | |
| 4000 | 770 | 707 | 10.7 | 694 | 14.1 | 681 | 17.5 | 670 | 20.8 | 661 | 24.2 | 654 | 27.6 | 657 | 31.0 | 643 | 34.3 | 635 | 37.4 | 625 | 44.4 | 616 | 51.0 | 610 | 54.4 | | |

Notes: Pressure ratings based on inlet air at standard pressure of 14.7 psia, standard temperature of 68°F, and specific gravity of 1.0

Capacity Data: ZG Models 125, 150, 200, 250

| MODEL | SPEED | Theoretical Capacity CFM | 2PSI | | 3PSI | | 4PSI | | 5PSI | | 6PSI | | 7PSI | | 8PSI | | 9PSI | | 10PSI | | 12PSI | | 14PSI | | 15PSI | |
|---------------|-------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|
| | RPM | | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP |
| ZG 125 | 1450 | 558 | 457 | 7.3 | 438 | 9.8 | 421 | 12.4 | 405 | 15.0 | 395 | 16.8 | 386 | 19.2 | 380 | 22.5 | 370 | 24.9 | 364 | 27.3 | 347 | 32.6 | 342 | 37.5 | 334 | 39.9 |
| | 1750 | 671 | 575 | 8.4 | 555 | 11.3 | 541 | 14.4 | 526 | 17.5 | 515 | 20.4 | 506 | 23.3 | 497 | 26.4 | 486 | 29.3 | 480 | 32.3 | 468 | 38.5 | 461 | 44.3 | 453 | 47.2 |
| | 2000 | 770 | 674 | 9.5 | 654 | 12.9 | 640 | 16.4 | 625 | 19.8 | 614 | 23.4 | 605 | 26.8 | 596 | 30.2 | 585 | 33.5 | 579 | 37.0 | 567 | 44.0 | 560 | 50.8 | 552 | 54.1 |
| | 2300 | 883 | 790 | 11.0 | 770 | 14.8 | 756 | 18.8 | 741 | 22.7 | 730 | 26.7 | 721 | 30.6 | 712 | 34.6 | 701 | 38.5 | 699 | 42.4 | 684 | 50.5 | 680 | 58.2 | 673 | 62.0 |
| | 2600 | 999 | 908 | 12.4 | 887 | 16.8 | 873 | 21.3 | 858 | 25.7 | 847 | 30.3 | 838 | 34.7 | 831 | 39.2 | 821 | 43.5 | 816 | 48.0 | 804 | 57.1 | 796 | 65.8 | 789 | 70.2 |
| | 2800 | 1077 | 984 | 13.4 | 968 | 18.1 | 950 | 22.9 | 935 | 27.8 | 928 | 32.6 | 919 | 37.3 | 909 | 42.2 | 899 | 46.9 | 897 | 51.7 | 881 | 61.5 | 874 | 71.0 | 867 | 75.7 |
| | 3000 | 1155 | 1062 | 14.3 | 1046 | 19.3 | 1032 | 24.6 | 1017 | 29.8 | 1006 | 35.0 | 997 | 40.0 | 990 | 45.3 | 980 | 50.3 | 975 | 55.5 | 963 | 66.0 | 955 | 76.1 | 948 | 81.2 |

| MODEL | SPEED | Theoretical Capacity CFM | 2PSI | | 3PSI | | 4PSI | | 5PSI | | 6PSI | | 7PSI | | 8PSI | | 9PSI | | 10PSI | | 12PSI | | 14PSI | | 15PSI | |
|---------------|-------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|------|-------|-------|-------|------|
| | RPM | | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP |
| ZG 150 | 1450 | 893 | 747 | 10.9 | 719 | 14.8 | 695 | 18.8 | 672 | 22.8 | 658 | 26.8 | 645 | 30.7 | 633 | 34.7 | 618 | 38.6 | 610 | 42.7 | 592 | 50.7 | 585 | 58.5 | 575 | 62.4 |
| | 1750 | 1077 | 935 | 12.9 | 906 | 17.6 | 885 | 22.5 | 863 | 27.2 | 849 | 32.1 | 835 | 36.8 | 827 | 41.7 | 812 | 46.4 | 804 | 51.2 | 783 | 60.9 | 775 | 70.3 | 765 | 75.0 |
| | 2000 | 1232 | 1094 | 14.7 | 1066 | 20.0 | 1044 | 25.6 | 1022 | 31.1 | 1007 | 36.7 | 998 | 42.1 | 986 | 47.6 | 971 | 53.0 | 963 | 58.5 | 945 | 69.6 | 938 | 80.3 | 928 | 85.7 |
| | 2300 | 1416 | 1282 | 16.7 | 1257 | 22.8 | 1238 | 29.2 | 1217 | 35.6 | 1202 | 42.0 | 1188 | 48.2 | 1180 | 54.5 | 1165 | 60.6 | 1157 | 67.0 | 1141 | 79.6 | 1132 | 92.1 | 1122 | 98.3 |
| | 2600 | 1600 | 1474 | 18.7 | 1447 | 25.7 | 1428 | 32.9 | 1408 | 40.0 | 1392 | 47.2 | 1383 | 54.1 | 1370 | 61.4 | 1356 | 68.4 | 1348 | 75.4 | 1331 | 89.8 | 1323 | 103.5 | 1313 | 111 |
| | 2800 | 1723 | 1602 | 20.1 | 1574 | 27.6 | 1555 | 35.3 | 1536 | 43.0 | 1520 | 50.7 | 1510 | 58.3 | 1501 | 66.1 | 1488 | 73.6 | 1479 | 81.2 | 1462 | 97.1 | 1453 | 111.3 | 1444 | 119 |
| | 3000 | 1847 | 1725 | 21.4 | 1702 | 29.5 | 1682 | 37.7 | 1663 | 46.0 | 1651 | 54.4 | 1637 | 62.5 | 1628 | 70.8 | 1615 | 78.8 | 1606 | 87.0 | 1589 | 104 | 1580 | 120.2 | 1571 | 128 |

| MODEL | SPEED | Theoretical Capacity CFM | 2PSI | | 3PSI | | 4PSI | | 5PSI | | 6PSI | | 7PSI | | 8PSI | | 9PSI | | 10PSI | | 12PSI | | 14PSI | | 15PSI | |
|---------------|-------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|------|-------|-------|-------|-----|
| | RPM | | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP |
| ZG 200 | 970 | 1554 | 1327 | 18.2 | 1285 | 25.0 | 1245 | 31.9 | 1210 | 39.0 | 1187 | 46.0 | 1165 | 52.8 | 1143 | 59.9 | 1182 | 66.7 | 1104 | 73.7 | 1071 | 87.7 | 1056 | 101.5 | 1038 | 108 |
| | 1250 | 2002 | 1785 | 23.4 | 1741 | 32.1 | 1704 | 41.2 | 1669 | 50.2 | 1643 | 59.3 | 1624 | 68.1 | 1606 | 77.0 | 1582 | 85.7 | 1567 | 94.7 | 1535 | 113 | 1515 | 130.1 | 1498 | 139 |
| | 1450 | 2323 | 2109 | 26.8 | 2066 | 36.9 | 2032 | 47.4 | 1998 | 57.9 | 1972 | 68.4 | 1952 | 78.5 | 1934 | 89.0 | 1910 | 99.1 | 1895 | 110 | 1863 | 130 | 1844 | 150.8 | 1827 | 161 |
| | 1600 | 2564 | 2354 | 29.4 | 2309 | 40.5 | 2276 | 52.1 | 2242 | 63.7 | 2220 | 75.3 | 2196 | 86.4 | 2177 | 98.0 | 2154 | 109 | 2142 | 121 | 2110 | 144 | 2091 | 166.5 | 2074 | 178 |
| | 1750 | 2804 | 2599 | 32.0 | 2553 | 44.2 | 2520 | 56.9 | 2487 | 69.6 | 2463 | 82.2 | 2443 | 94.4 | 2424 | 107 | 2401 | 119 | 2386 | 132 | 2357 | 156 | 2338 | 182.3 | 2321 | 195 |
| | 1900 | 3044 | 2842 | 34.7 | 2800 | 48.0 | 2767 | 61.7 | 2734 | 75.5 | 2710 | 89.3 | 2690 | 103 | 2671 | 116 | 2648 | 130 | 2633 | 143 | 2605 | 171 | 2585 | 198.1 | 2569 | 212 |
| | 2050 | 3284 | 3082 | 37.3 | 3045 | 51.6 | 3010 | 66.4 | 2977 | 81.3 | 2954 | 96.2 | 2934 | 111 | 2918 | 125 | 2896 | 140 | 2880 | 155 | 2848 | 185 | 2832 | 212.8 | 2816 | 227 |

| MODEL | SPEED | Theoretical Capacity CFM | 2PSI | | 3PSI | | 4PSI | | 5PSI | | 6PSI | | 7PSI | | 8PSI | | 9PSI | | 10PSI | | 12PSI | | 14PSI | | 15PSI | |
|---------------|-------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|-----|-------|-----|-------|-----|
| | RPM | | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP |
| ZG 250 | 970 | 1981 | 1716 | 22.5 | 1669 | 31.2 | 1628 | 40.0 | 1587 | 49.0 | 1560 | 57.8 | 1539 | 66.5 | 1519 | 75.4 | 1491 | 84.1 | 1481 | 92.8 | | | | | | |
| | 1250 | 2553 | 2298 | 28.9 | 2248 | 40.0 | 2211 | 51.5 | 2171 | 63.1 | 2146 | 74.6 | 2125 | 85.8 | 2104 | 97.2 | 2077 | 108 | 2068 | 120 | | | | | | |
| | 1450 | 2959 | 2712 | 33.1 | 2665 | 46.1 | 2628 | 59.4 | 2586 | 72.9 | 2563 | 86.2 | 2542 | 99.2 | 2525 | 113 | 2499 | 126 | 2485 | 139 | | | | | | |
| | 1600 | 3266 | 3023 | 36.6 | 2976 | 50.8 | 2941 | 65.6 | 2903 | 80.4 | 2876 | 95.4 | 2856 | 110 | 2839 | 124 | 2813 | 139 | 2799 | 154 | | | | | | |
| | 1750 | 3566 | 3336 | 39.9 | 3291 | 55.5 | 3252 | 71.7 | 3215 | 88.0 | 3189 | 104 | 3170 | 120 | 3152 | 137 | 3127 | 152 | 3113 | 168 | | | | | | |
| | 1900 | 3884 | 3632 | 43.4 | 3601 | 60.4 | 3566 | 78.1 | 3529 | 95.9 | 3503 | 114 | 3485 | 131 | 3466 | 148 | 3441 | 165 | 3428 | 183 | | | | | | |
| | 2050 | 4202 | 3950 | 47.0 | 3911 | 65.3 | 3877 | 84.5 | 3839 | 104 | 3818 | 123 | 3795 | 142 | 3782 | 161 | 3756 | 179 | 3742 | 198 | | | | | | |

Notes: Pressure ratings based on inlet air at standard pressure of 14.7 psia, standard temperature of 68°F and specific gravity of 1.0

Capacity Data: ZG Models 50V, 65V, 80V, 100V

| MODEL | SPEED | Theoretical Capacity CFM | 3"Hg | | 6"Hg | | 9"Hg | | 12"Hg | | 15"Hg | |
|----------------|-------|--------------------------|------|-----|------|------|------|------|-------|------|-------|------|
| | RPM | | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP |
| ZG 50V | 2000 | 82 | 60 | 1.4 | 42 | 1.9 | 30 | 2.3 | | | | |
| | 2500 | 103 | 80 | 1.6 | 63 | 2.3 | 50 | 2.9 | 40 | 3.6 | | |
| | 3000 | 124 | 101 | 1.9 | 84 | 2.6 | 71 | 3.4 | 61 | 4.3 | | |
| | 3500 | 144 | 122 | 2.2 | 104 | 3.0 | 92 | 4.0 | 82 | 5.0 | | |
| | 4000 | 165 | 143 | 2.5 | 125 | 3.4 | 113 | 4.5 | 102 | 5.6 | 86 | 6.6 |
| | 4500 | 185 | 163 | 2.7 | 145 | 3.8 | 133 | 5.1 | 123 | 6.2 | 107 | 7.5 |
| | 5000 | 206 | 184 | 3.0 | 166 | 4.3 | 154 | 5.6 | 143 | 6.9 | 127 | 8.3 |
| ZG 65V | 2500 | 173 | 137 | 2.5 | 113 | 3.6 | 95 | 4.7 | 79 | 5.8 | | |
| | 3000 | 208 | 172 | 3.0 | 147 | 4.3 | 129 | 5.6 | 113 | 7.0 | | |
| | 3500 | 243 | 206 | 3.4 | 182 | 5.1 | 164 | 6.6 | 148 | 8.1 | | |
| | 4000 | 277 | 241 | 4.0 | 217 | 5.8 | 199 | 7.6 | 183 | 9.2 | 170 | 11.0 |
| | 4500 | 312 | 275 | 4.4 | 251 | 6.4 | 233 | 8.4 | 217 | 10.5 | 204 | 12.4 |
| | 5000 | 347 | 310 | 4.9 | 286 | 7.1 | 268 | 9.4 | 252 | 11.6 | 239 | 13.8 |
| ZG 80V | 2000 | 257 | 210 | 3.1 | 187 | 4.8 | 167 | 6.5 | 147 | 8.1 | | |
| | 2300 | 296 | 249 | 3.7 | 227 | 5.5 | 207 | 7.4 | 188 | 9.4 | | |
| | 2500 | 321 | 275 | 4.0 | 254 | 6.0 | 234 | 8.1 | 215 | 10.1 | 193 | 12.2 |
| | 2800 | 360 | 315 | 4.5 | 293 | 6.7 | 274 | 9.1 | 254 | 11.3 | 233 | 13.7 |
| | 3000 | 385 | 341 | 4.9 | 320 | 7.4 | 301 | 9.8 | 281 | 12.3 | 260 | 14.8 |
| | 3300 | 424 | 381 | 5.5 | 360 | 8.1 | 341 | 10.9 | 322 | 13.5 | 300 | 16.3 |
| | 3500 | 448 | 406 | 5.7 | 385 | 8.7 | 367 | 11.4 | 348 | 14.4 | 327 | 17.3 |
| | 3800 | 487 | 445 | 6.3 | 427 | 9.3 | 409 | 12.5 | 387 | 15.6 | 369 | 18.8 |
| | 4000 | 516 | 473 | 6.6 | 452 | 9.8 | 434 | 13.1 | 416 | 16.4 | 393 | 19.6 |
| ZG 100V | 2000 | 385 | 319 | 4.4 | 287 | 6.9 | 259 | 9.2 | 229 | 11.7 | | |
| | 2300 | 445 | 378 | 5.1 | 347 | 8.0 | 319 | 10.8 | 290 | 13.7 | | |
| | 2500 | 480 | 417 | 5.6 | 388 | 8.7 | 359 | 11.9 | 331 | 14.9 | 299 | 18.0 |
| | 2800 | 540 | 477 | 6.4 | 448 | 9.9 | 419 | 13.4 | 390 | 16.8 | 361 | 20.3 |
| | 3000 | 579 | 515 | 7.0 | 487 | 10.7 | 458 | 14.3 | 433 | 18.1 | 399 | 21.8 |
| | 3300 | 636 | 575 | 7.5 | 547 | 11.7 | 518 | 15.7 | 493 | 19.9 | 463 | 23.9 |
| | 3500 | 674 | 614 | 7.9 | 586 | 12.2 | 561 | 16.7 | 532 | 21.0 | 502 | 25.3 |
| | 3800 | 731 | 674 | 8.6 | 646 | 13.3 | 621 | 17.9 | 592 | 22.7 | 562 | 27.4 |
| | 4000 | 770 | 713 | 9.0 | 685 | 13.9 | 659 | 18.9 | 634 | 23.8 | 604 | 28.8 |



Capacity Data: ZG Models 125V, 150V, 200V, 250V

| MODEL | SPEED | Theoretical Capacity CFM | 3"Hg | | 6"Hg | | 9"Hg | | 12"Hg | | 15"Hg | |
|----------------|-------|--------------------------|------|------|------|------|------|------|-------|------|-------|------|
| | RPM | | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP |
| ZG 125V | 1450 | 558 | 469 | 5.6 | 427 | 9.6 | 391 | 13.4 | 354 | 17.1 | | |
| | 1750 | 674 | 586 | 6.7 | 547 | 11.2 | 511 | 15.6 | 471 | 20.1 | 430 | 24.4 |
| | 2000 | 770 | 685 | 7.7 | 642 | 12.7 | 606 | 17.8 | 570 | 22.8 | 529 | 28.0 |
| | 2300 | 883 | 801 | 8.8 | 762 | 14.6 | 726 | 20.4 | 690 | 26.1 | 649 | 32.0 |
| | 2600 | 999 | 918 | 9.9 | 879 | 16.5 | 843 | 23.1 | 810 | 29.6 | 769 | 36.3 |
| | 2800 | 1077 | 996 | 10.7 | 956 | 17.8 | 924 | 24.9 | 888 | 32.0 | 851 | 39.0 |
| | 3000 | 1155 | 1073 | 11.4 | 1034 | 19.0 | 1002 | 26.7 | 969 | 34.3 | 928 | 41.8 |
| ZG 150V | 1450 | 893 | 762 | 8.7 | 702 | 14.6 | 648 | 20.5 | 593 | 26.3 | | |
| | 1750 | 1077 | 953 | 10.3 | 893 | 17.4 | 842 | 24.5 | 788 | 31.4 | 728 | 38.5 |
| | 2000 | 1232 | 1109 | 11.7 | 1051 | 19.7 | 1001 | 27.8 | 950 | 35.8 | 895 | 44.0 |
| | 2300 | 1416 | 1299 | 13.3 | 1242 | 22.5 | 1195 | 31.8 | 1144 | 41.1 | 1089 | 50.4 |
| | 2600 | 1600 | 1486 | 14.8 | 1433 | 25.3 | 1386 | 35.8 | 1339 | 46.2 | 1283 | 56.7 |
| | 2800 | 1723 | 1613 | 15.9 | 1560 | 27.2 | 1513 | 38.5 | 1470 | 49.7 | 1414 | 61.0 |
| | 3000 | 1847 | 1741 | 16.9 | 1687 | 29.0 | 1644 | 41.1 | 1597 | 53.2 | 1545 | 65.4 |
| ZG 200V | 970 | 1554 | 1352 | 14.3 | 1259 | 24.6 | 1173 | 34.7 | 1086 | 45.0 | | |
| | 1250 | 2002 | 1808 | 18.6 | 1715 | 31.6 | 1632 | 44.8 | 1548 | 58.0 | 1452 | 71.2 |
| | 1450 | 2323 | 2132 | 21.2 | 2043 | 36.3 | 1961 | 51.6 | 1877 | 66.9 | 1785 | 82.2 |
| | 1600 | 2564 | 2376 | 23.1 | 2287 | 39.9 | 2208 | 56.7 | 2124 | 73.7 | 2032 | 90.5 |
| | 1750 | 2800 | 2620 | 25.2 | 2531 | 43.5 | 2451 | 62.0 | 2371 | 80.4 | 2283 | 98.8 |
| | 1900 | 3040 | 2863 | 27.2 | 2774 | 47.2 | 2699 | 67.2 | 2619 | 87.2 | 2530 | 107 |
| | 2050 | 3280 | 3107 | 29.2 | 3021 | 50.8 | 2946 | 72.4 | 2866 | 94.0 | 2777 | 116 |
| ZG 250V | 970 | 1977 | 1747 | 17.7 | 1637 | 30.7 | 1543 | 43.6 | 1449 | 56.6 | 1341 | 69.6 |
| | 1250 | 2549 | 2327 | 22.6 | 2220 | 39.4 | 2130 | 56.2 | 2035 | 73.0 | 1935 | 89.8 |
| | 1450 | 2959 | 2736 | 25.7 | 2636 | 45.3 | 2546 | 64.8 | 2455 | 84.3 | 2355 | 104 |
| | 1600 | 3266 | 3050 | 28.4 | 2951 | 50.0 | 2861 | 71.5 | 2773 | 93.1 | 2673 | 115 |
| | 1750 | 3570 | 3361 | 31.0 | 3261 | 54.6 | 3175 | 78.2 | 3088 | 102 | 2991 | 125 |
| | 1900 | 3877 | 3672 | 33.7 | 3565 | 59.4 | 3489 | 85.1 | 3402 | 111 | 3306 | 137 |
| | 2050 | 4184 | 3983 | 36.3 | 3886 | 64.3 | 3804 | 92.2 | 3720 | 120 | 3624 | 148 |

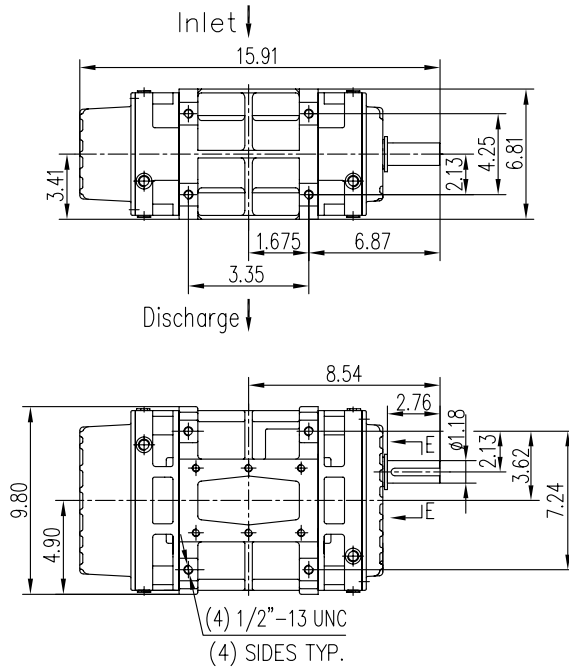
Notes: Vacuum ratings based on inlet air at standard temperature of 68° F, discharge of 30" Hg and specific gravity of 1.0



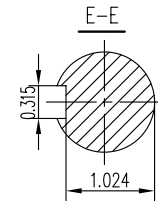
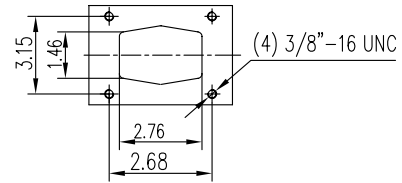
ZG Series Technical Data

ZG-50 Outline Drawing

Unit: inch Weight: 101lb

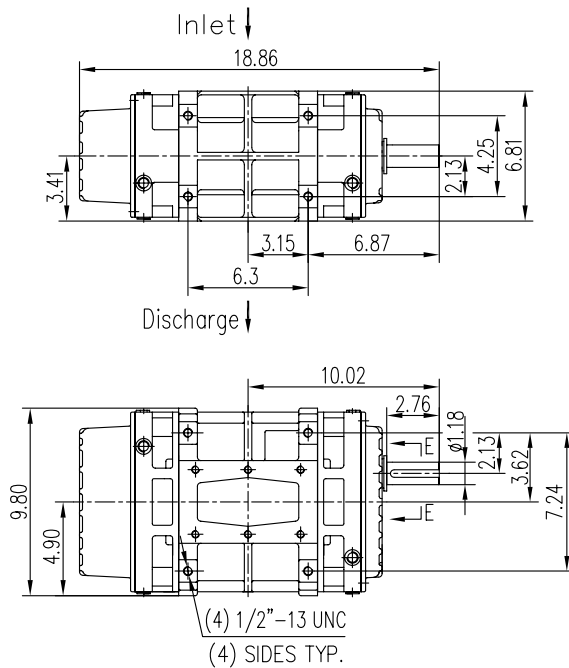


Inlet and Outlet Flange Size

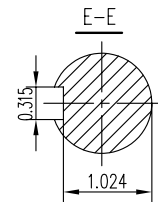
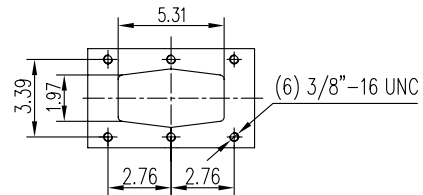


ZG-65 Outline Drawing

Unit: inch Weight: 123lb



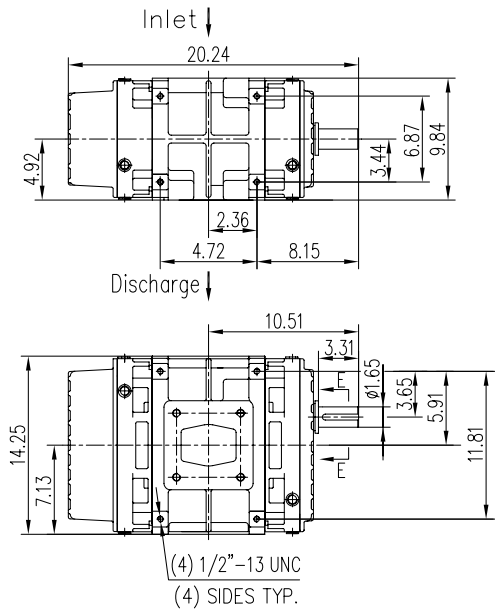
Inlet and Outlet Flange Size



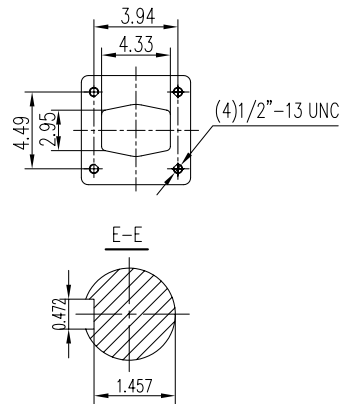
ZG Series Technical Data

ZG-100 Outline Drawing

Unit: inch Weight: 254lb

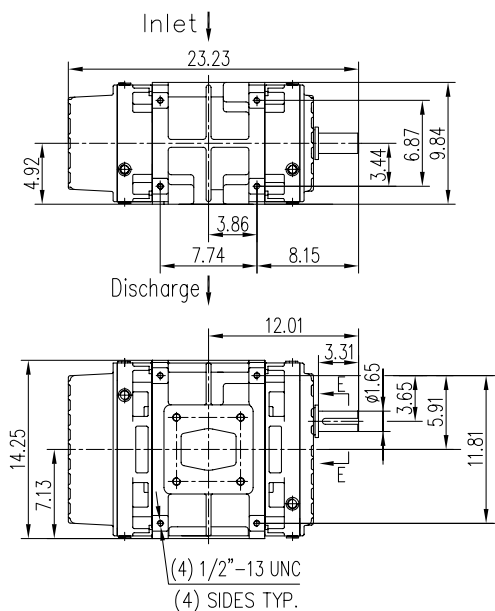


Inlet and Outlet Flange Size

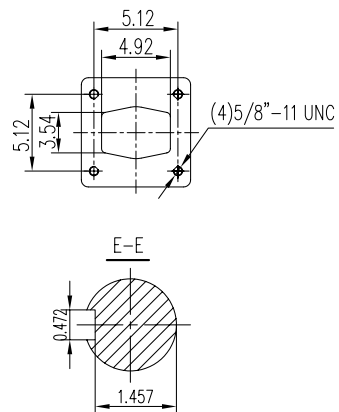


ZG-100 Outline Drawing

Unit: inch Weight: 298lb



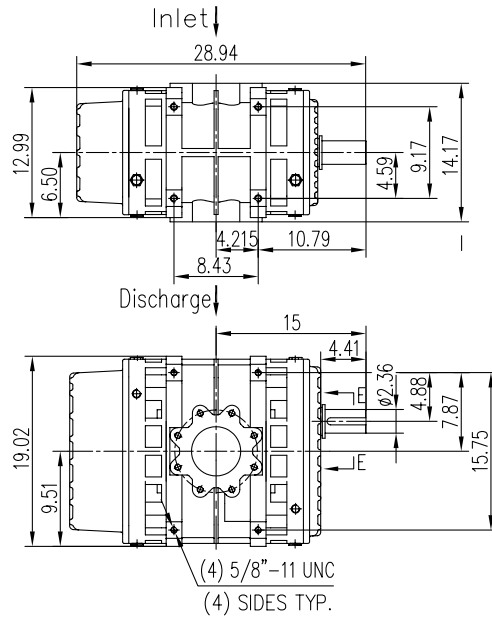
Inlet and Outlet Flange Size



ZG Series Technical Data

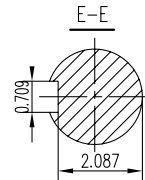
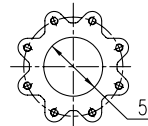
ZG-125 Outline Drawing

Unit: inch Weight: 66lb



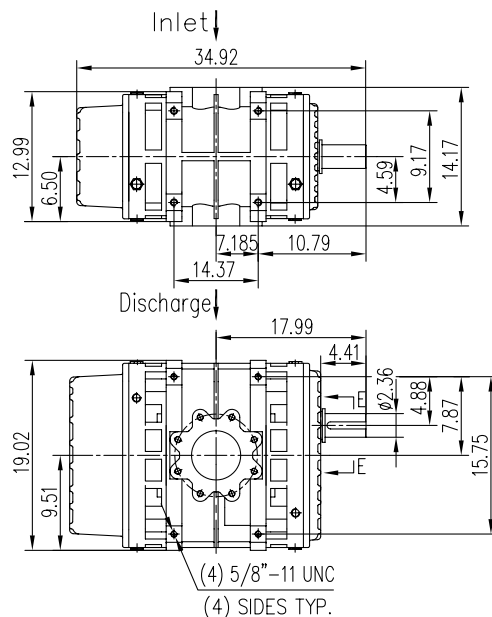
Inlet and Outlet Flange Size

ANSI 150lb



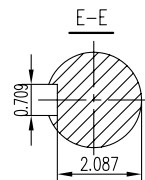
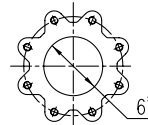
ZG-150 Outline Drawing

Unit: inch Weight: 796lb



Inlet and Outlet Flange Size

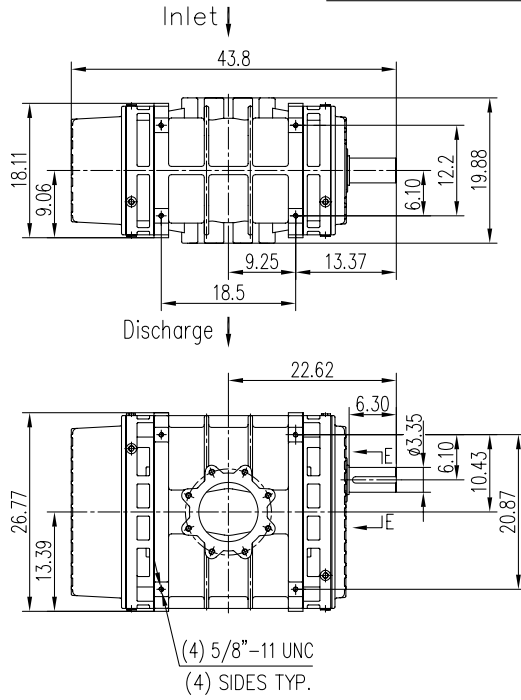
ANSI 150lb



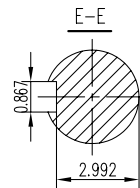
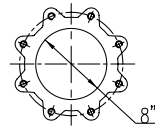
ZG Series Technical Data

ZG-200 Outline Drawing

Unit: inch Weight: 1620lb

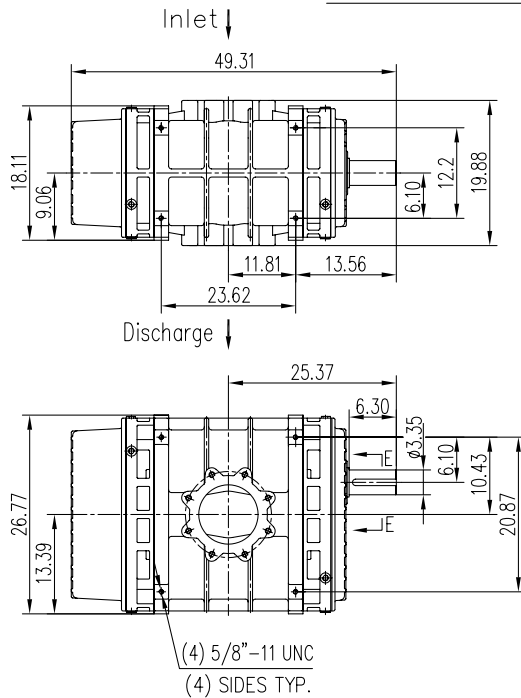


Inlet and Outlet Flange Size
ANSI 150lb

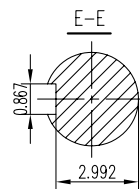
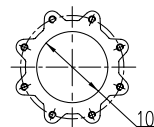


ZG-250 Outline Drawing

Unit: inch Weight: 1907lb



Inlet and Outlet Flange Size
ANSI 150lb





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