



The **BM2 series** motor is a medium, spool valve type motor, that can bear higher pressure than BM1.

### CHARACTERISTIC FEATURES

- It adopts the gerolor design. Has higher efficiency than our BM1 series.
- Credible design for shaft seal , which can bear high pressure and be used in parallel or in series application.
- Direction of shaft speed can be controlled easily and smoothly.
- Best efficacy and economy in medium load applications.

### Main Specifications

| Displacement per revolution | cm <sup>3</sup> (cc) | 50   | 63   | 80   | 100  | 125  | 160  | 200  | 250  | 315  | 400  | 500  |
|-----------------------------|----------------------|------|------|------|------|------|------|------|------|------|------|------|
|                             | in <sup>3</sup>      | 3.0  | 3.8  | 4.8  | 6.1  | 7.6  | 9.7  | 12.2 | 15.2 | 19.2 | 24.4 | 30.4 |
| Flow (GPM)                  | Cont.                | 10.5 | 10.5 | 15.8 | 15.8 | 15.8 | 15.8 | 15.8 | 15.8 | 15.8 | 15.8 | 15.8 |
|                             | Int.                 | 13.2 | 13.2 | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   |
| Speed (RPM)                 | Cont.                | 755  | 630  | 750  | 600  | 475  | 375  | 300  | 240  | 190  | 160  | 110  |
|                             | Int.                 | 970  | 790  | 940  | 750  | 600  | 470  | 375  | 300  | 240  | 200  | 128  |
| Pressure (PSI)              | Cont.                | 2030 | 2030 | 2030 | 2030 | 2030 | 2390 | 1558 | 1595 | 1235 | 1235 | 1160 |
|                             | Int.                 | 2537 | 2537 | 2900 | 2900 | 2900 | 2900 | 2900 | 2900 | 1667 | 1667 | 1305 |
| Torque (in-lbs)             | Cont.                | 884  | 1105 | 1414 | 1759 | 2210 | 2829 | 2917 | 3403 | 3403 | 4287 | 5613 |
|                             | Int.                 | 1105 | 1388 | 1680 | 2122 | 2581 | 3359 | 3960 | 4844 | 4880 | 5923 | 6674 |

- Notes**
1. Continuous: Motor can run continuously at these ratings.
  2. Intermittent: Intermittent operation, 10% of every minute.
  3. A simultaneous maximum rpm and pressure is not recommended.
  4. The optimum operating situation should be at the 1/3 - 2/3 of the continuous operating situation.
  5. Shaft seal maximum pressure of 1085 PSI. Higher pressure shaft seal available on request.

### BM2-50

|            |     | ΔP (PSI) |      |      |      |      |      |      |      |
|------------|-----|----------|------|------|------|------|------|------|------|
|            |     | 725      | 1015 | 1305 | 1450 | 1740 | 2030 | 2320 | 2540 |
| Flow (GPM) | 1   | 309      | 398  | 530  | 583  | 690  | 787  | -    | -    |
|            |     | 72       | 64   | 57   | 56   | 53   | 34   |      |      |
|            | 3   | 318      | 398  | 557  | 601  | 698  | 840  | 937  | 1061 |
|            |     | 210      | 199  | 187  | 184  | 170  | 148  | 125  | 97   |
|            | 4   | 309      | 433  | 575  | 663  | 778  | 884  | 972  | 1061 |
|            |     | 285      | 279  | 267  | 262  | 252  | 232  | 212  | 187  |
|            | 5   | 301      | 398  | 575  | 610  | 751  | 840  | 972  | 1105 |
|            |     | 355      | 354  | 345  | 341  | 326  | 312  | 291  | 260  |
|            | 7   | 301      | 398  | 530  | 610  | 707  | 866  | 964  | 1105 |
|            |     | 503      | 494  | 488  | 477  | 462  | 445  | 419  | 382  |
|            | 8   | 309      | 398  | 530  | 601  | 707  | 840  | 964  | 1105 |
|            |     | 580      | 575  | 566  | 557  | 546  | 536  | 505  | 469  |
| 9          | 283 | 371      | 522  | 583  | 707  | 822  | 946  | 1105 |      |
|            | 647 | 645      | 638  | 637  | 618  | 606  | 582  | 545  |      |
| 11         | 565 | 362      | 513  | 583  | 698  | 813  | 928  | 1078 |      |
|            | 791 | 789      | 784  | 781  | 768  | 755  | 729  | 697  |      |
| 12         | 256 | 354      | 513  | 575  | 690  | 769  | 928  | 1061 |      |
|            | 863 | 863      | 858  | 853  | 843  | 822  | 807  | 789  |      |

Torque 928 In-lbs  
Speed 807 rpm

### BM2-63

|            |    | ΔP (PSI)   |            |            |            |            |             |             |             |
|------------|----|------------|------------|------------|------------|------------|-------------|-------------|-------------|
|            |    | 725        | 1015       | 1305       | 1450       | 1740       | 2030        | 2320        | 2540        |
| Flow (GPM) | 1  | 362<br>58  | 530<br>51  | 672<br>45  | 734<br>44  | 866<br>42  | 990<br>27   | -           | -           |
|            | 3  | 398<br>166 | 539<br>157 | 681<br>148 | 751<br>142 | 893<br>136 | 1043<br>116 | 1167<br>99  | 1326<br>76  |
|            | 4  | 380<br>224 | 539<br>220 | 707<br>211 | 813<br>204 | 972<br>192 | 1105<br>161 | 1220<br>146 | 1326<br>131 |
|            | 5  | 380<br>279 | 504<br>278 | 725<br>273 | 769<br>269 | 928<br>257 | 1061<br>232 | 1140<br>211 | 1344<br>185 |
|            | 7  | 424<br>397 | 495<br>390 | 672<br>385 | 760<br>376 | 884<br>331 | 1078<br>348 | 1149<br>270 | 1353<br>217 |
|            | 8  | 389<br>458 | 495<br>454 | 654<br>447 | 751<br>435 | 884<br>431 | 1061<br>423 | 1202<br>399 | 1388<br>370 |
|            | 9  | 354<br>511 | 469<br>509 | 654<br>503 | 734<br>502 | 884<br>488 | 1034<br>479 | 1185<br>459 | 1379<br>430 |
|            | 11 | 327<br>625 | 460<br>622 | 645<br>618 | 725<br>616 | 866<br>607 | 1017<br>595 | 1167<br>576 | 1353<br>551 |
|            | 12 | 248<br>681 | 424<br>681 | 619<br>677 | 707<br>673 | 822<br>665 | 884<br>649  | 1105<br>638 | 1282<br>623 |

### BM2-80

|            |     | ΔP (PSI) |      |      |      |      |      |      |      |
|------------|-----|----------|------|------|------|------|------|------|------|
|            |     | 725      | 1015 | 1305 | 1450 | 1740 | 2030 | 2320 | 2540 |
| Flow (GPM) | 3   | 495      | 690  | 866  | 946  | 1149 | 1308 | 1503 | 1591 |
|            |     | 131      | 123  | 119  | 114  | 103  | 85   | 60   | 51   |
|            | 5   | 442      | 725  | 928  | 1043 | 1167 | 1414 | 1591 | 1662 |
|            |     | 225      | 222  | 214  | 211  | 197  | 185  | 164  | 153  |
|            | 8   | 424      | 663  | 849  | 1017 | 1149 | 1326 | 1874 | 1680 |
|            |     | 367      | 363  | 359  | 348  | 333  | 323  | 303  | 286  |
|            | 11  | 398      | 636  | 857  | 928  | 1132 | 1317 | 1565 | 1671 |
|            |     | 507      | 502  | 494  | 491  | 479  | 464  | 437  | 426  |
|            | 13  | 371      | 619  | 796  | 866  | 1105 | 1299 | 1512 | 1653 |
|            |     | 605      | 605  | 596  | 589  | 581  | 559  | 538  | 526  |
|            | 16  | 354      | 557  | 751  | 840  | 1043 | 1255 | 1494 | 1635 |
|            |     | 747      | 731  | 727  | 722  | 712  | 694  | 674  | 663  |
|            | 18  | 318      | 513  | 725  | 796  | 990  | 1229 | 1459 | 1582 |
|            |     | 837      | 829  | 818  | 815  | 798  | 788  | 769  | 755  |
| 20         | 256 | 495      | 681  | 751  | 972  | 1176 | 1432 | 1565 |      |
|            | 934 | 924      | 918  | 907  | 894  | 878  | 863  | 845  |      |

### BM2-100

|            |    | ΔP (PSI) |      |      |      |      |      |      |      |
|------------|----|----------|------|------|------|------|------|------|------|
|            |    | 725      | 1015 | 1305 | 1450 | 1740 | 2030 | 2320 | 2540 |
| Flow (GPM) | 3  | 645      | 875  | 1087 | 1229 | 1414 | 1618 | 1856 | 1971 |
|            |    | 112      | 108  | 98   | 97   | 85   | 70   | 59   | 51   |
|            | 5  | 601      | 840  | 1087 | 1264 | 1459 | 1759 | 1945 | 2104 |
|            |    | 188      | 185  | 177  | 172  | 166  | 154  | 142  | 131  |
|            | 8  | 575      | 840  | 1061 | 1238 | 1459 | 1715 | 1945 | 2122 |
|            |    | 302      | 297  | 291  | 288  | 281  | 265  | 251  | 237  |
|            | 11 | 522      | 778  | 1052 | 1193 | 1423 | 1697 | 1927 | 2104 |
|            |    | 416      | 414  | 403  | 401  | 396  | 381  | 364  | 350  |
|            | 13 | 486      | 751  | 1043 | 1105 | 1388 | 1635 | 1918 | 2077 |
|            |    | 491      | 487  | 480  | 476  | 476  | 456  | 444  | 429  |
|            | 16 | 424      | 698  | 972  | 1052 | 1326 | 1591 | 1909 | 2077 |
|            |    | 605      | 601  | 592  | 590  | 584  | 573  | 555  | 541  |
|            | 18 | 380      | 619  | 884  | 990  | 1255 | 1503 | 1768 | 2024 |
|            |    | 680      | 674  | 669  | 665  | 661  | 650  | 628  | 619  |
|            | 20 | 345      | 557  | 866  | 928  | 1238 | 1476 | 1750 | 2007 |
|            |    | 755      | 747  | 744  | 742  | 727  | 722  | 701  | 692  |

CONT.

INT.

All the datas were tested at 50°C with anti-wear hydraulic oil.  
Actual data may vary slightly from different unit in production.

### BM2-125

|            |     | ΔP (PSI) |      |      |      |      |      |      |      |
|------------|-----|----------|------|------|------|------|------|------|------|
|            |     | 725      | 1015 | 1305 | 1450 | 1740 | 2030 | 2320 | 2540 |
| Flow (GPM) | 3   | 796      | 1087 | 1414 | 1547 | 1812 | 2095 | 2290 | 2387 |
|            |     | 82       | 81   | 74   | 72   | 62   | 48   | 25   | 16   |
|            | 5   | 751      | 1052 | 1397 | 1520 | 1839 | 2210 | 2458 | 2581 |
|            |     | 147      | 144  | 142  | 137  | 131  | 115  | 103  | 85   |
|            | 8   | 672      | 955  | 1397 | 1459 | 1821 | 2139 | 2449 | 2572 |
|            |     | 238      | 237  | 235  | 227  | 220  | 208  | 194  | 172  |
|            | 11  | 698      | 928  | 1326 | 1423 | 1812 | 2104 | 2431 | 2555 |
|            |     | 323      | 325  | 322  | 320  | 314  | 310  | 284  | 264  |
|            | 13  | 663      | 840  | 1282 | 1397 | 1733 | 2104 | 2343 | 2519 |
|            |     | 393      | 389  | 387  | 384  | 374  | 362  | 349  | 332  |
|            | 16  | 530      | 840  | 1229 | 1370 | 1618 | 1971 | 2245 | 2246 |
|            |     | 479      | 479  | 474  | 472  | 467  | 454  | 432  | 420  |
|            | 18  | 530      | 734  | 1105 | 1326 | 1574 | 1874 | 2228 | 2316 |
|            |     | 540      | 537  | 535  | 534  | 530  | 524  | 501  | 487  |
| 20         | 486 | 707      | 1078 | 1282 | 1520 | 1812 | 2166 | 2307 |      |
|            | 601 | 599      | 596  | 590  | 587  | 582  | 557  | 542  |      |

Torque 2166 In-lbs  
Speed 557 rpm

### BM2-160

|            |    | ΔP (PSI)    |             |             |             |             |             |             |             |
|------------|----|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|            |    | 725         | 1015        | 1305        | 1450        | 1740        | 2030        | 2320        | 2540        |
| Flow (GPM) | 3  | 1017<br>65  | 1414<br>64  | 1812<br>59  | 1945<br>57  | 2316<br>49  | 2652<br>43  | 3006<br>39  | 3200<br>31  |
|            | 5  | 1017<br>113 | 1414<br>109 | 1821<br>104 | 2033<br>102 | 2343<br>97  | 2829<br>90  | 3138<br>79  | 3359<br>72  |
|            | 8  | 928<br>186  | 1397<br>182 | 1786<br>179 | 1945<br>174 | 2307<br>167 | 2696<br>154 | 3041<br>165 | 3342<br>131 |
|            | 11 | 884<br>257  | 1282<br>255 | 1724<br>248 | 1927<br>246 | 2263<br>239 | 2643<br>226 | 3006<br>207 | 3315<br>193 |
|            | 13 | 813<br>302  | 1255<br>300 | 1662<br>295 | 1848<br>293 | 2210<br>285 | 2608<br>276 | 2970<br>257 | 3235<br>240 |
|            | 16 | 743<br>372  | 1211<br>370 | 1591<br>368 | 1759<br>364 | 2122<br>358 | 2528<br>345 | 2917<br>337 | 3182<br>307 |
|            | 18 | 575<br>424  | 1061<br>423 | 1459<br>419 | 1591<br>416 | 1971<br>404 | 2493<br>391 | 2829<br>327 | 3094<br>356 |
|            | 20 | 530<br>469  | 1034<br>466 | 1397<br>463 | 1547<br>460 | 1945<br>451 | 2404<br>436 | 2776<br>419 | 3023<br>399 |

### BM2-200

|            |    | ΔP (PSI)    |             |             |             |             |             |             |
|------------|----|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|            |    | 725         | 1015        | 1305        | 1523        | 1740        | 2030        | 2538        |
| Flow (GPM) | 3  | 1317<br>57  | 1812<br>55  | 2254<br>51  | 2564<br>49  | 2900<br>45  | 3271<br>34  | 3916<br>26  |
|            | 5  | 1238<br>94  | 1786<br>91  | 2210<br>88  | 2855<br>85  | 2917<br>80  | 3633<br>74  | 3960<br>62  |
|            | 8  | 1149<br>151 | 1697<br>149 | 2139<br>141 | 2714<br>137 | 2873<br>132 | 3324<br>123 | 3934<br>106 |
|            | 11 | 1105<br>208 | 1644<br>204 | 2060<br>201 | 2696<br>196 | 2776<br>188 | 3448<br>177 | 3854<br>155 |
|            | 13 | 1061<br>246 | 1565<br>243 | 1989<br>238 | 2608<br>234 | 2696<br>227 | 3377<br>215 | 3775<br>189 |
|            | 16 | 972<br>303  | 1467<br>298 | 1945<br>293 | 2519<br>291 | 2581<br>285 | 3297<br>271 | 3704<br>238 |
|            | 18 | 866<br>341  | 1326<br>339 | 1812<br>333 | 2157<br>329 | 2458<br>321 | 2917<br>310 | 3624<br>274 |
|            | 20 | 751<br>379  | 1246<br>375 | 1759<br>369 | 2077<br>365 | 2369<br>359 | 2855<br>345 | 3536<br>313 |

### BM2-250

|            |    | ΔP (PSI) |      |      |      |      |      |      |      |
|------------|----|----------|------|------|------|------|------|------|------|
|            |    | 435      | 725  | 1015 | 1160 | 1450 | 1595 | 2030 | 2538 |
| Flow (GPM) | 3  | 1017     | 1609 | 2228 | 2608 | 3094 | 3359 | 4155 | 4729 |
|            |    | 45       | 44   | 43   | 40   | 36   | 34   | 26   | 18   |
|            | 5  | 972      | 1574 | 2228 | 2608 | 3112 | 3403 | 4155 | 4844 |
|            |    | 76       | 75   | 71   | 71   | 65   | 63   | 54   | 45   |
|            | 8  | 884      | 1503 | 2210 | 2519 | 3085 | 3359 | 4146 | 4827 |
|            |    | 121      | 120  | 117  | 116  | 111  | 107  | 96   | 81   |
|            | 11 | 769      | 1406 | 2051 | 2378 | 2917 | 3235 | 4066 | 4685 |
|            |    | 165      | 162  | 161  | 159  | 156  | 153  | 135  | 114  |
|            | 13 | 707      | 1380 | 1909 | 2228 | 2829 | 3112 | 4005 | 4597 |
|            |    | 197      | 195  | 192  | 191  | 159  | 157  | 150  | 145  |
|            | 16 | 663      | 1149 | 1768 | 2077 | 2696 | 3006 | 3828 | 4464 |
|            |    | 242      | 242  | 240  | 238  | 234  | 230  | 212  | 182  |
|            | 18 | 442      | 1034 | 1680 | 1945 | 2564 | 2829 | 3642 | 4376 |
|            |    | 273      | 271  | 271  | 268  | 263  | 260  | 243  | 209  |
|            | 20 | 371      | 928  | 1591 | 1856 | 2475 | 5392 | 3580 | 4296 |
|            |    | 303      | 302  | 301  | 300  | 297  | 291  | 275  | 241  |

CONT.

INT.

All the datas were tested at 50°C with anti-wear hydraulic oil.  
Actual data may vary slightly from different unit in production.

### BM2-315

|            |    | ΔP (PSI)    |             |             |             |             |             |             |
|------------|----|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|            |    | 435         | 725         | 943         | 1160        | 1305        | 1885        | 1958        |
| Flow (GPM) | 3  | 1193<br>36  | 1901<br>32  | 2466<br>30  | 3032<br>28  | 3403<br>27  | 4553<br>26  | 4862<br>25  |
|            | 5  | 1193<br>57  | 1909<br>56  | 3546<br>55  | 3094<br>54  | 3359<br>53  | 4491<br>49  | 4880<br>47  |
|            | 8  | 1105<br>94  | 1812<br>92  | 2431<br>91  | 3006<br>90  | 3315<br>89  | 4367<br>81  | 4800<br>80  |
|            | 11 | 1017<br>127 | 1724<br>125 | 2351<br>124 | 2961<br>123 | 3235<br>122 | 4287<br>109 | 4650<br>108 |
|            | 13 | 796<br>151  | 1503<br>150 | 2228<br>149 | 2829<br>146 | 3112<br>144 | 4190<br>135 | 4517<br>130 |
|            | 16 | 707<br>192  | 1414<br>187 | 2033<br>192 | 2696<br>180 | 2953<br>177 | 4040<br>161 | 4349<br>157 |
|            | 18 | 513<br>216  | 1193<br>214 | 1901<br>210 | 2519<br>206 | 2829<br>200 | 3907<br>185 | 4155<br>175 |
|            | 20 | 486<br>236  | 1105<br>234 | 1812<br>232 | 2378<br>229 | 2723<br>227 | 3766<br>210 | 4146<br>202 |

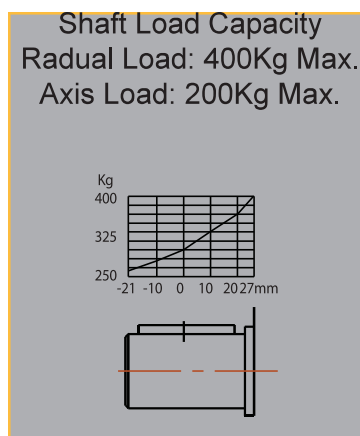
Torque 3766 In-lbs  
Speed 210 rpm

### BM2-400

|            |      | ΔP (PSI) |      |      |      |      |      |      |
|------------|------|----------|------|------|------|------|------|------|
|            |      | 435      | 725  | 943  | 1160 | 1305 | 1885 | 1958 |
| Flow (GPM) | 3    | 1503     | 2228 | 3271 | 3890 | 4287 | 5260 | 5481 |
|            |      | 27       | 26   | 25   | 23   | 22   | 19   | 18   |
|            | 5    | 1503     | 2484 | 3227 | 3854 | 4243 | 5216 | 5437 |
|            |      | 45       | 44   | 43   | 42   | 40   | 38   | 34   |
|            | 8    | 1361     | 2458 | 3138 | 3766 | 4155 | 5127 | 5392 |
|            |      | 73       | 71   | 69   | 67   | 64   | 61   | 60   |
|            | 11   | 1273     | 2413 | 3094 | 3624 | 4119 | 5092 | 5357 |
|            |      | 99       | 98   | 94   | 86   | 83   | 79   | 73   |
|            | 13   | 1211     | 2378 | 3041 | 3589 | 4066 | 5039 | 5304 |
|            |      | 119      | 117  | 114  | 110  | 106  | 99   | 93   |
| 16         | 1193 | 2343     | 2917 | 3448 | 3934 | 4906 | 5923 |      |
|            | 146  | 141      | 135  | 131  | 119  | 111  | 106  |      |
| 18         | 1061 | 2166     | 2785 | 3271 | 3845 | 4818 | 5746 |      |
|            | 165  | 164      | 161  | 156  | 150  | 146  | 141  |      |
| 20         | 1017 | 2077     | 2652 | 3094 | 3757 | 4641 | 5569 |      |
|            | 182  | 178      | 172  | 167  | 164  | 159  | 154  |      |

### BM2-500

|            |      | ΔP (PSI) |      |      |      |      |      |
|------------|------|----------|------|------|------|------|------|
|            |      | 435      | 725  | 943  | 1160 | 1350 | 1885 |
| Flow (GPM) | 3    | 1768     | 3050 | 4084 | 5145 | 5613 | 6674 |
|            |      | 33       | 31   | 30   | 27   | 25   | 23   |
|            | 5    | 1759     | 3006 | 4022 | 5083 | 5525 | 6586 |
|            |      | 37       | 36   | 35   | 34   | 32   | 28   |
|            | 8    | 1680     | 2900 | 3951 | 5003 | 5534 | 6533 |
|            |      | 60       | 59   | 58   | 57   | 55   | 50   |
|            | 11   | 1662     | 2820 | 3863 | 4915 | 5445 | 6444 |
|            |      | 81       | 80   | 79   | 78   | 76   | 73   |
|            | 13   | 1591     | 2740 | 3775 | 4827 | 5357 | 6347 |
|            |      | 95       | 94   | 93   | 93   | 92   | 89   |
| 16         | 1547 | 2652     | 3677 | 3819 | 5277 | 6206 |      |
|            | 119  | 118      | 116  | 115  | 113  | 111  |      |
| 18         | 1503 | 2564     | 3651 | 3722 | 5180 | 6100 |      |
|            | 134  | 133      | 131  | 129  | 128  | 127  |      |
| 20         | 1414 | 2458     | 3554 | 3633 | 5083 | 5994 |      |
|            | 159  | 158      | 156  | 153  | 151  | 150  |      |



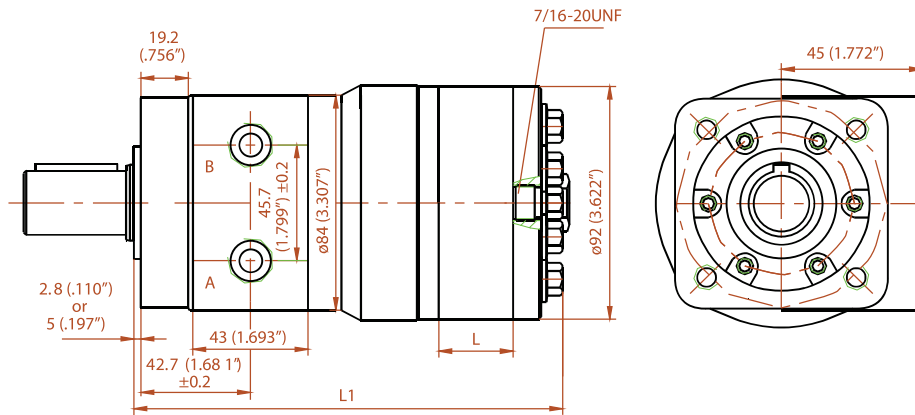
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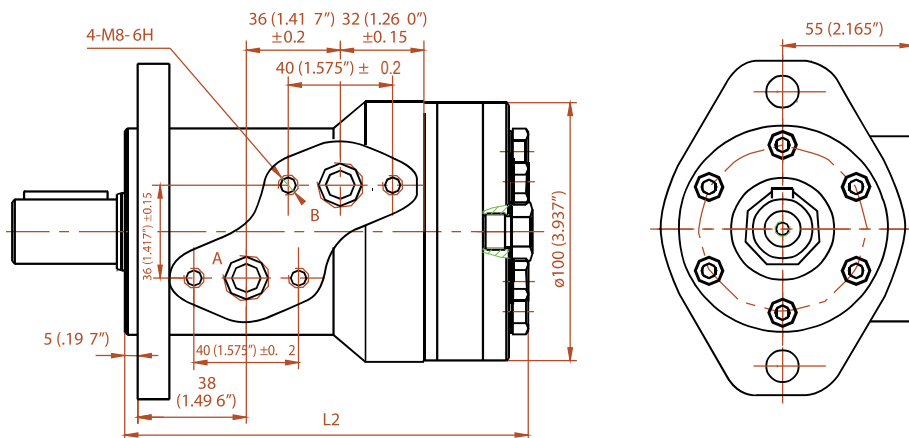
All the datas were tested at 50°C with anti-wear hydraulic oil.  
Actual data may vary slightly from different unit in production.

## CONFIGURATION

## H TYPE



## S TYPE



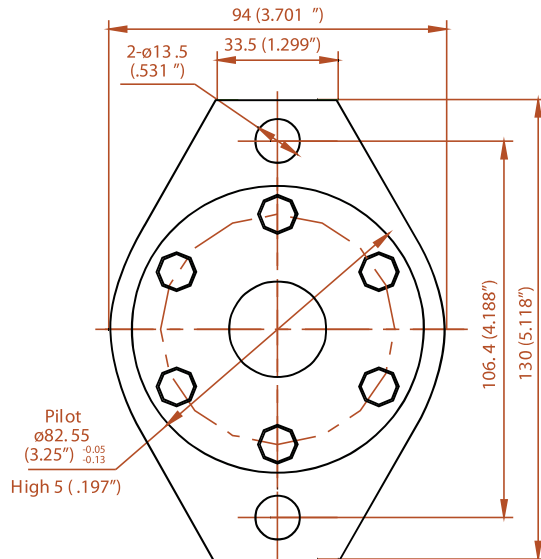
## Displacement

|    | 50  |       | 63    |       | 80    |       | 100   |       | 125 |       | 160 |       | 200 |       | 250 |       | 315 |       | 400 |       | 500 |       |
|----|-----|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|
| L  | 9   | 0.354 | 11.3  | 0.445 | 14.5  | 0.571 | 17.8  | 0.701 | 23  | 0.906 | 29  | 1.142 | 37  | 1.457 | 46  | 1.811 | 57  | 2.244 | 72  | 2.835 | 90  | 3.543 |
| L1 | 146 | 5.748 | 148.3 | 5.839 | 151.5 | 5.965 | 154.8 | 6.094 | 160 | 6.299 | 166 | 6.535 | 174 | 6.850 | 183 | 7.205 | 194 | 7.638 | 209 | 8.228 | 227 | 8.937 |
| L2 | 151 | 5.945 | 153.3 | 6.035 | 156.5 | 6.161 | 159.8 | 6.291 | 165 | 6.496 | 171 | 6.732 | 179 | 7.047 | 188 | 7.402 | 199 | 7.835 | 214 | 8.425 | 232 | 9.134 |

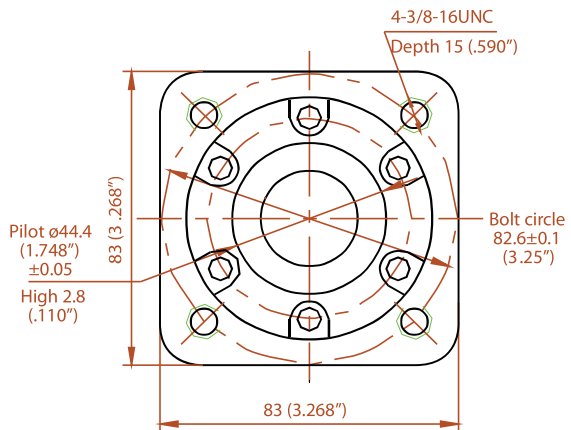
**Other configuration and/or mounting types are available upon request.**

### MOUNTING FLANGE

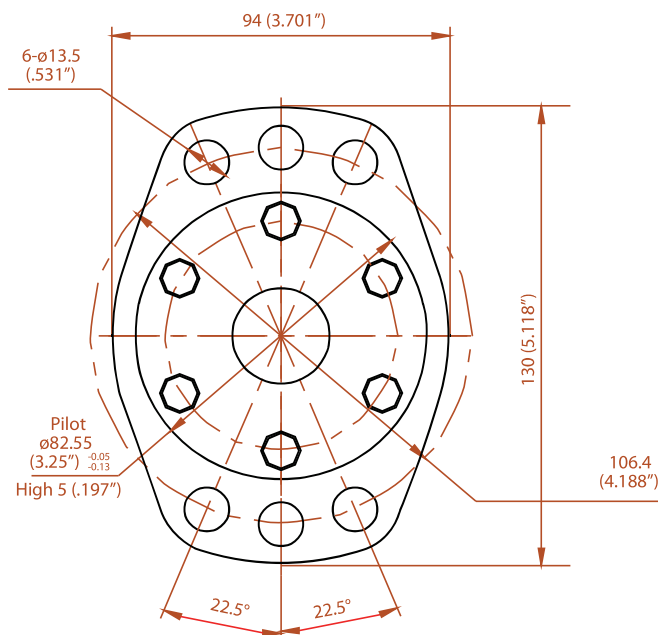
#### FLANGE A



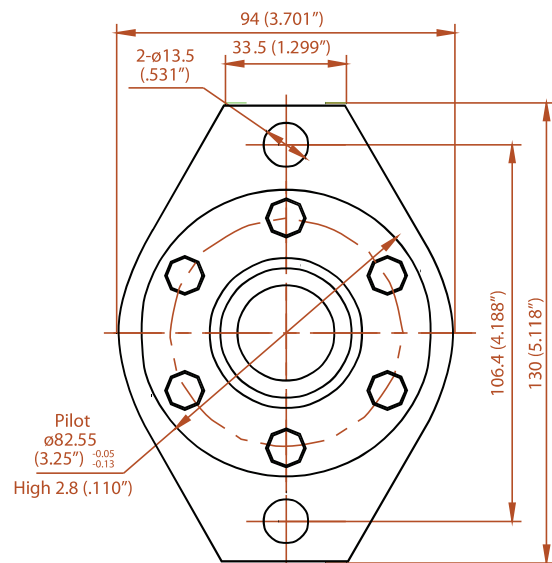
#### FLANGE B



#### FLANGE C



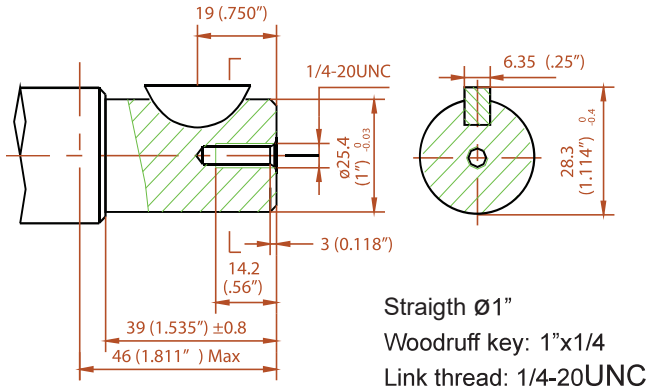
#### FLANGE H



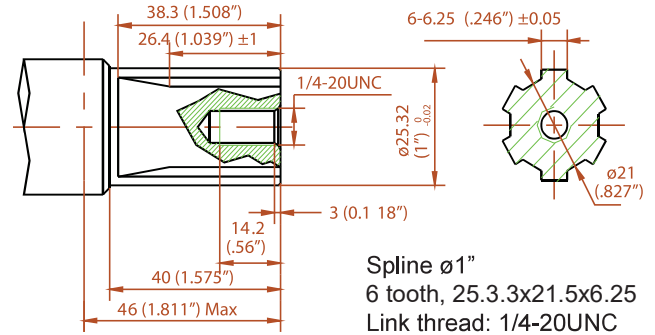
H flange is good for installing on a gearbox, pilot being thinner. 2.8 mm versus 5 mm like the A flange.

### OUTPUT SHAFT

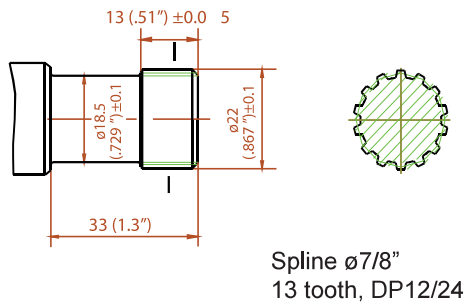
#### SHAFT A



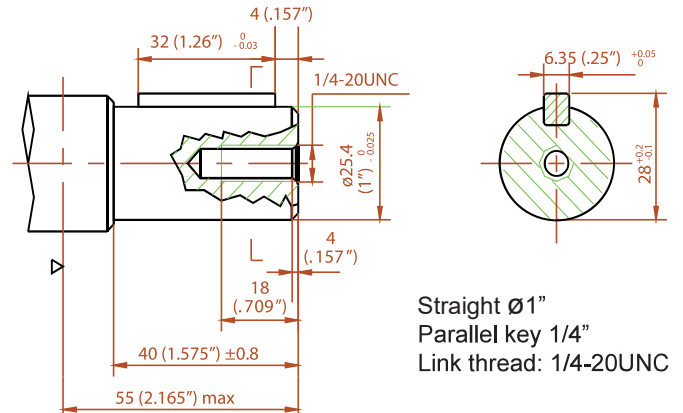
#### SHAFT C



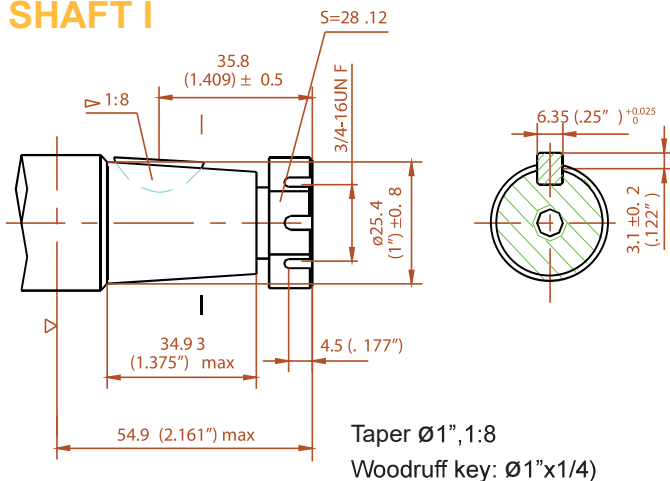
#### SHAFT D



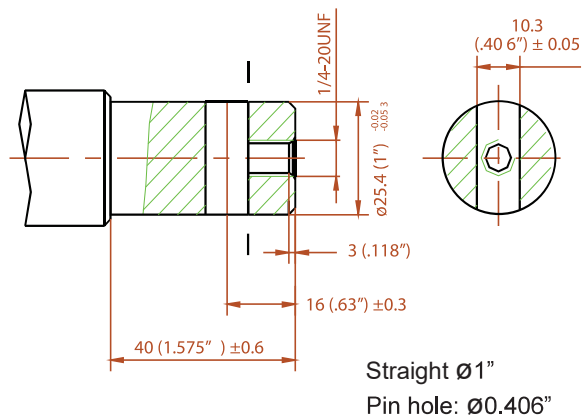
#### SHAFT E



#### SHAFT I



#### SHAFT J



### Choose an option for each category

BM2

|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|

#### CONFIGURATION

H - Parallel ports   S - Staggered ports

#### DISPLACEMENT (CC)

A - 50   B - 63   C - 80   D - 100   E - 125  
F - 160   G - 200   H - 250   I - 315   J - 400   K - 500

#### MOUNTING FLANGE

A - Rhombus, SAE-A 2 bolt (ø3.25" pilot) x 0.197",  
ø0.531" holes (2), 4.188" bolt center  
B - Square, SAE-AA 4 bolt (ø1.748" pilot), 4 x 3/8-16UNC,  
ø3.25" bolt circle  
C - Rhombus, SAE-A 6 bolt (ø3.25" pilot), ø0.531" holes (6),  
ø4.188" bolt circle  
H - Rhombus, SAE-A 2 bolt (ø3.25" pilot) x 0.110",  
ø0.531" holes (2), 4.188" bolt center

#### OUTPUT SHAFT

A - Straight ø1", Woodruff key, 1/4-20UNC link thread  
C - Spline ø1", 6 tooth, 1/4-20UNC link thread  
D - Spline ø7/8", 13 tooth  
E - Straight ø1", Parallel key, 1/4-20 UNC link thread  
I - Taper ø1", 1:8, Woodruff key, 3/4-16UNF link thread  
J - Straight ø1", ø0.406" Pin hole

#### PORTS

C - SAE-10   D - 1/2 NPT

#### LINK THREAD ON PORT SURFACE

A - None   C - 5/16-18UNC

#### DRAIN PORT

A - None   D - SAE-04

#### SPECIAL

A - Standard   B - Radial bearing   C - Add **HPSS** - High pressure shaft seal (2900 PSI)

**Order example: BM2HABCDCCB**

Other configuration and/or mounting types are available upon request.