

Twin screw pump performance chart

For the Screw type Pumps: flow rates in meters cubed per hour at 3.5 barg.

Note that many intervening sizes of pump can be created by varying the screw pitch and the speed of the pumps.

| Pump frame size | 95% of theoretical output litres per rev | 5 centistokes | | 15 centistokes | | 125 centistokes | 2000 centistokes | 25000 centistokes |
|-----------------|--|---------------|----------|--------------------|----------|-----------------|------------------|-------------------|
| | | 2800 rpm | 1450 rpm | 2800 rpm | 1450 rpm | 1450 rpm | 850 rpm | 100 rpm |
| AS080 | 0.186 | 28.31 | 12.43 | 28.90 | 13.03 | 14.62 | 8.78 | 0.21 |
| AS095 | 0.320 | 50.17 | 22.85 | 51.01 | 23.68 | 25.92 | 15.49 | 0.66 |
| AS111 | 0.475 | 75.10 | 34.65 | 76.23 | 35.78 | 38.81 | 23.15 | 1.15 |
| AS121 | 0.760 | 123.40 | 58.73 | 124.78 | 60.11 | 63.80 | 37.89 | 2.54 |
| AS125 | 0.747 | 120.54 | 57.05 | 121.98 | 58.49 | 62.32 | 37.04 | 2.37 |
| AS135 | 0.941 | 153.29 | 73.04 | 154.99 | 74.73 | 79.26 | 47.06 | 3.18 |
| AS145 | 1.136 | ----- | 88.62 | ----- | 90.58 | 95.81 | 56.86 | 3.97 |
| AS150 | 1.231 | ----- | 96.41 | ----- | 98.50 | 104.09 | 61.75 | 4.37 |
| AS160 | 1.546 | ----- | 122.80 | M ³ /hr | 125.19 | 131.58 | 77.98 | 5.86 |
| AS170 | 1.904 | ----- | 153.40 | | 156.09 | 163.29 | 96.67 | 7.64 |
| AS180 | 2.202 | ----- | 177.81 | ----- | 180.83 | 188.92 | 111.81 | 8.96 |
| AS196 | 2.751 | ----- | 225.86 | ----- | 229.41 | 238.91 | 140.29 | 11.58 |
| AS206 | 3.30 | ----- | 271.14 | ----- | 275.08 | 285.91 | 168.81 | 14.40 |
| AS210 | 4.43 | ----- | 372.28 | ----- | 376.48 | 387.69 | 228.74 | 21.09 |
| AS235 | 4.83 | ----- | 403.77 | ----- | 408.66 | 421.73 | 248.95 | 22.51 |
| AS265 | 7.04 | ----- | 596.67 | ----- | 602.72 | 618.89 | 364.93 | 34.54 |
| AS292 | 9.43 | ----- | 809.86 | ----- | 816.58 | 834.54 | 491.58 | 48.51 |
| AS350 | 16.34 | ----- | 1425.91 | ----- | 1434.70 | 1458.21 | 857.91 | 88.73 |