

Technical data Series 40 axial piston fixed and variable displacement motors

| | | Frame sizes | | | | |
|--------------------------|----------------|------------------------------------|-----------|------------|-------------|-------------|
| | | Dimension | 025 | 035 | 044 | 046 |
| Displacement | | cm ³ [in ³] | 25 [1.5] | 35 [2.1] | 44 [2.7] | 46 [2.8] |
| Rated speed | Max. disp. | min ⁻¹ (rpm) | 4000 | 3600 | 3300 | 4000 |
| | Min. disp. | min ⁻¹ (rpm) | - | 5300 | 4850 | 5000 |
| Maximum speed | Max. disp. | min ⁻¹ (rpm) | 5000 | 4500 | 4100 | 4100 |
| Max. flow at rated speed | Fixed motor | l/min | 100.3 | 126.1 | 143.5 | — |
| | Fixed motor | [US gal/min] | [26.5] | [33.3] | [37.9] | — |
| Max. flow at rated speed | Variable motor | l/min | — | 126.1 | 143.5 | 183.6 |
| | Variable motor | US gal/min | — | 33.3 | 37.9 | 48.5 |
| Max. corner power | | kW [hp] | 71 [95.2] | 92 [123.4] | 105 [140.8] | 110 [147.5] |

Technical data K and L frame axial piston 2-position motors

| | | L Frame Sizes | | | K Frames Sizes | | |
|----------------------------|--|------------------------------------|--------------|--------------|----------------|------------|------------|
| | | Dimension | 25 | 30 | 35 | 38 | 45 |
| Maximum displacement | | cm ³ [in ³] | 25 [1.5] | 30 [1.8] | 35 [2.1] | 38 [2.32] | 45 [2.5] |
| Maximum speed - max. angle | | min ⁻¹ (rpm) | 3950 | 4150 | 4300 | 4000 | 3900 |
| Maximum speed - min. angle | | min ⁻¹ (rpm) | 5000 | 5150 | 5300 | 5200 | 5050 |
| Maximum pressure | | bar [psi] | 415 [6019.1] | 350 [5076.3] | 280 [4061.1] | 415 [6020] | 350 [5075] |
| Continuous pressure | | bar [psi] | 210 [3045.8] | 175 [2538.2] | 140 [2030.5] | 210 [3045] | 175 [2540] |
| Theoretical torque | | N·m/bar [lbf·in/1000psi] | 0.40 [244] | 0.48 [293] | 0.56 [342] | 0.60 [366] | 0.72 [439] |

Technical data Series 90 axial piston fixed and variable displacement motors

| | | Frame sizes | | | | | |
|--------------------------|------------|------------------------------------|-----------|-----------|-----------|-----------|-----------|
| | | Dimension | 042 | 055 | 075 | 100 | 130 |
| Displacement | | cm ³ [in ³] | 42 [2.6] | 55 [3.4] | 75 [4.6] | 100 [6.1] | 130 [7.9] |
| Rated speed | Max. angle | min ⁻¹ (rpm) | 4200 | 3900 | 3600 | 3300 | 3100 |
| | Min. angle | | — | 4600 | — | — | — |
| Maximum speed | Max. angle | min ⁻¹ (rpm) | 4600 | 4250 | 3950 | 3650 | 3400 |
| | Min. angle | | — | 5100 | — | — | — |
| Max. flow at rated speed | | l/min | 193 | 234 | 296 | 365 | 442 |
| | | [US gal/min] | [51] | [62] | [78] | [96] | [117] |
| Max. corner power | | kW [hp] | 155 [207] | 187 [251] | 237 [318] | 292 [393] | 354 [475] |

Technical data Series 51 and 51-1 bent axis variable displacement motors

| | | Frame sizes | | | | | |
|--------------------------|------------|------------------------------------|-----------|------------|-------------|-------------|------------|
| | | Dimension | 060 | 080 | 110 | 160 | 250 |
| Displacement | Max. angle | cm ³ [in ³] | 60 [3.7] | 80.7 [4.9] | 109.9 [6.7] | 160.9 [9.8] | 250 [15.3] |
| | Min. angle | cm ³ [in ³] | 12 [0.7] | 16.1 [1.0] | 22 [1.3] | 23.2 [2.0] | 50 [3.1] |
| Rated speed | Max. angle | min ⁻¹ (rpm) | 3600 | 3100 | 2800 | 2500 | 2200 |
| | Min. angle | min ⁻¹ (rpm) | 5600 | 5000 | 4500 | 4000 | 3400 |
| Maximum speed | Max. angle | min ⁻¹ (rpm) | 4400 | 4000 | 3600 | 3200 | 2700 |
| | Min. angle | min ⁻¹ (rpm) | 7000 | 6250 | 5600 | 5000 | 4250 |
| Max. flow at rated speed | | l/min | 216 | 250 | 308 | 402 | 550 |
| | | [US gal/min] | [57] | [66] | [81] | [106] | [145] |
| Max. corner power | | kW [hp] | 330 [443] | 403 [540] | 492 [660] | 644 [864] | 850 [1140] |