

Pump SC 034–130

ISO



Sunfab SC is a series of piston pumps with a fixed displacement for mobile and stationary hydraulics.

Sunfab SC covers the entire displacement range 34–130 cm³/revs at a maximum working pressure of 40 MPa.

Sunfab SC is a modern, compact pump which meets the market's high demands on flow performance, pressure, efficiency and small installation dimensions.

Sunfab SC's well dimensioned, double tapered roller bearings permit high shaft loads and lead to excellent speed characteristics.

Sunfab SC's high level of reliability is based on the choice of materials, hardening methods, surface structures and the quality assured manufacturing process.

Other advantages of Sunfab SC:

- High maximum speed while maintaining low noise levels
- Smooth operation over the entire speed range
- Long life due to high demands on material selection, such as bearings, seals, etc
- O-rings on all contact surfaces as well as double shaft seals eliminate oil leakage from the pump
- The stop shoulder on the angle housing allows the pump's direction of rotation to be changed without the risk of altering the gear meshing

| Type SC | | 034 | 047 | 064 | 084 | 108 | 130 | |
|--|-----------------------|------|------|-------|-------|-------|-------|-------|
| Nominal oil flow at pump speed rpm | | | | l/min | | | | |
| | 500 | 17.0 | 23.5 | 31.5 | 41.5 | 54.0 | 65.0 | |
| | 1000 | 34.0 | 47.0 | 63.5 | 83.5 | 108.0 | 130.0 | |
| | 1500 | 51.0 | 70.5 | 95.5 | 125.0 | 162.0 | 195.0 | |
| Displacement | cm ³ /rev. | 34.2 | 47.1 | 63.6 | 83.6 | 108.0 | 130.0 | |
| Max pump speed: <i>continuous</i> <i>limited</i> | rpm | 2300 | 1900 | 1900 | 1500 | 1500 | 1500 | |
| | | 3000 | 2500 | 2500 | 2000 | 2000 | 2000 | |
| Max working pressure | MPa | 40 | 40 | 40 | 40 | 40 | 40 | |
| Weight | kg | 8.5 | 15.5 | 15.5 | 27.0 | 29.5 | 29.5 | |
| Dimensions | mm | A | 101 | 120 | 120 | 121 | 121 | 121 |
| | | B | 117 | 130 | 130 | 148 | 148 | 148 |
| | | C | 210 | 237 | 237 | 256 | 256 | 256 |
| | | D | 118 | 142.5 | 142.5 | 160 | 160 | 180 |
| | | E | 88.4 | 113.2 | 113.2 | 127.3 | 127.3 | 141.4 |
| | | F | 11.0 | 13.5 | 13.5 | 13.5 | 13.5 | 17.5 |
| | | G | 98 | 110 | 110 | 127 | 127 | 127 |
| | | H | 100 | 125 | 125 | 140 | 140 | 160 |
| | | I | 30 | 35 | 35 | 40 | 40 | 45 |
| | | J | 60 | 92 | 92 | 102 | 102 | 120 |
| | | K | 24 | 32 | 32 | 32 | 32 | 40 |
| | | L | 7.25 | 7.25 | 7.25 | 7.25 | 7.25 | 7.25 |
| | | S | 38 | 38 | 38 | 50 | 50 | 50 |
| | | | 50 | 50 | 50 | 64 | 64 | 64 |
| | ISO G | P | 3/4 | 3/4 | 3/4 | 1 | 1 | |
| | ISO G | Q | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | |
| Tare-weight torque | Nm | M | 7.4 | 13 | 13 | 21 | 21 | |
| Direction of rotation | optional | | | | | | | |

Subject to design alteration

Q = External drainage is routed to the connection below the tank's oil level.
The housing pressure must be equal to or greater than the external pressure on the shaft seal.

