**Purpose:**

Hydraulic pumps convert the shaft rotation mechanical energy into the working fluid flow hydraulic energy.

Hydraulic pumps are intended for operation in open circuit stationary and mobile installations.

**Working displacement:**12, 28, 56, 80, 112, 160, 250 ccm/rev

**Technical characteristics:**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Size | | | 12 | 28 | 56 | 80 | 112 | 160 | 250 |
| Working displacement | Vg | ccm | 11.6 | 28 | 56 | 80 | 112 | 160 | 250 |
| Max. rotation speed (at Pinput = 2 bar) | nmax | rpm | 6000 | 4750 | 3750 | 3350 | 3000 | 2650 | 2100 |
| Feed (at nmax) | qmax | l/min | 70 | 133 | 210 | 268 | 336 | 424 | 525 |
| Power  at ∆p=450 bar at ∆p=400 bar at ∆p=350 bar at ∆p=250 bar | N | kW | 49  43  38  27 | 93  83  72  52 | 147  130  114  81 | 187  166  146  104 | 235  209  183  130 | 296  263  230  165 | 367  326  285  204 |
| Torque at ∆p=450 bar at ∆p=400 bar  at ∆p=350 bar  at ∆p=250 bar | T | Nm | 70  69  60  43 | 187  166  145  104 | 373  332  290  207 | 534  474  415  296 | 747  664  581  415 | 1067  948  830  593 | 1667  1482  1297  926 |
| Weight | m | kg | 4 | 9 | 17 | 19,2 | 29 | 45 | 65 |

**Design:**

- fixed displacement axial piston bent-axis hydraulic pumps

- cylinder block inclination angle of 250

- bimetal steel block

- mounting dimensions as per DIN / ISO standards

**Options:**

- loop flushing valve

- safety valves

- shaft rotation frequency sensor

**Analogues:**

A2FO (Bosch Rexroth)

F11, F12 (Parker Hannifin)

H1C (Sam Hydraulics)

BI (Aber)

SCP (Sunfab)

PBF (Hydrosila)