

405 series

Open circuit fixed displacement axial piston swashplate hydraulic pumps



Purpose:

Pumps are intended for operation in hydraulic systems of mobile road construction machines:

- dump trucks;
- loader cranes;
- municipal machines;
- forestry machines;
- mobile cranes;
- etc.

Working displacement: 71, 80, 90, 112 cc/rev.

Design features:

Splined shaft: W40x2x30x18x9g.

Suction line: SAE 2"3000 psi

Charge line: SAE 1"6000 psi

Shaft sealing: NBR or FKM

The pumps are produced with left and right rotation.

Pumps can be manufactured with back cover for installation in tandem with auxiliary pump 405, 310, 411 or 313 series.

Technical characteristics:

Size	71	80	90	112
Speed, rpm				
- minimum	500			
- nominal	2000			
- maximum at $P_{input} = 0.2 \text{ MPa}$	3050			
Flow, l/min				
- nominal	136	153	173	215
- maximum	208	234	264	328
Boost pressure, MPa				
- nominal	25			25
- maximum peak	40			35
Power, kW				
- nominal	61	70	78	97
- maximum	150	170	190	208
Torque, Nm				
- nominal	294	332	373	464
- maximum	470	530	596	649
Weight (without working fluid), kg	30			