Ekaterinburg, Russia
Hydrostatic transmission manufactured by «Pnevmostroimashina» JSC for harvester thresher
Advantages of hydrostatic transmission manufactured by «Pnevmostroimashina» JSC

- Price for hydrostatic transmission set is twice lower than for foreign analogues;
- Power transmission is up to 280 kW;
- Wide regulation ranges of torque and rotation speed on the shaft of hydraulic motor;
- Light weight and compact dimensions of hydraulic units;
- Possibility to operate at pressure up to 450 bar;
- Package options with different hydraulic pumps and motors;
- Procurement of hydrostatic transmission parts from official sales representatives;
- Wide network of service centers allows to maintain service and repair works of hydrostatic transmission.
Swash plate fixed hydraulic motor 406 series. Working displacement: 71, 80, 90, 100, 110 and 125 cc

Bent axis fixed hydraulic motor 410 series. Working displacement: 56 and 107 cc

Bent axis variable hydraulic motor 403 series. Working displacement: 107 cc

Swash plate variable hydraulic pump 416 series. Working displacement: 71, 90, 110 and 125 cc
Variable hydraulic pump 416 series

- **Design:**
  - swash plate axial piston pump;
  - mounting dimensions as per DIN / ISO / SAE.

- The following units are mounted in the back cap:
  - charge pump and charge valve;
  - two pressure relief valves.

- **Control types:**
  - proportional servo control;
  - proportional electric control (12, 24 V);
  - discrete electric control (12, 24 V);
  - proportional hydraulic control;
  - proportional hydraulic control without feedback.

- **Tandem:**
  - 13 versions of additional pumps can be applied in tandem with the main pump.

- **Options:**
  - filter in pressure line of charge pump, filter is in set with pump;
  - cut off valve;
  - shaft rotation speed sensor;
  - neutral position sensor of servo control lever.
Fixed hydraulic motor 406 series

- **Design:**
  - swash plate axial piston hydraulic unit
  - swash plate inclination angle 25°
  - mounting dimensions as per SAE / DIN / ISO

- **Options:**
  - flushing block
  - safety relief valves
  - shaft rotation speed sensor
Fixed hydraulic motor 410 series

- **Design:**
  - bent axis axial piston hydraulic unit
  - inclination angle of cylinder block is 40°
  - mounting dimensions as per SAE / DIN / ISO

- **Options:**
  - flushing block
  - safety relief valves
  - check valves
  - charge valves
  - shaft rotation speed sensor
Variable hydraulic motor 403 series

- **Design:**
  - bent axis axial piston hydraulic motor
  - increased lifetime for operation at high pressure

- **Types of regulators:**
  - proportional
  - constant pressure regulator
  - pressure regulator on hyperbole
  - only from external force

- **Control types:**
  - direct hydraulic
  - proportional hydraulic
  - mechanical
  - proportional electric control
  - discrete electric control

- **Options:**
  - shaft rotation speed sensor
  - flushing block
Operation principle of hydrostatic transmission