

## **Changsha Fanli Edusupports Co., Limited**

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### **Hydraulic Pumps**

#### **HST Hydrostatic Transmission**



Specifications: HPVMF28, 37, 45;

Rated pressure: 28MPa;

Speed range 0 ~ 3000rpm;

Variable piston pump, fixed displacement piston motor, charge pump, valve group, etc.

Changing the input speed or displacement of the variable pump can achieve stepless adjustment of the motor output speed;

Aluminum alloy die-cast housing, light weight; unique structural design, high strength and heat dissipation performance characteristics;

Typical applications: agricultural machinery, engineering machinery, etc.

## Plunger Pump



Displacement specification: 1.25...250ml/rev;

Rated pressure: 31.5MPa;

Axial piston pump, suitable for open hydrostatic drive;

The output flow is proportional to the drive speed and displacement, and at constant speed, the variable is infinitely variable.

High power/weight ratio, compact structure;

High cost performance, domestic classic piston pump;

Typical applications: pressure machinery, engineering piling machinery and so on.

## Plunger Pump



Displacement specification 12...130ml/rev;

Rated pressure 35MPa;

Inclined shaft structure, small size, especially suitable for occasions with narrow space;

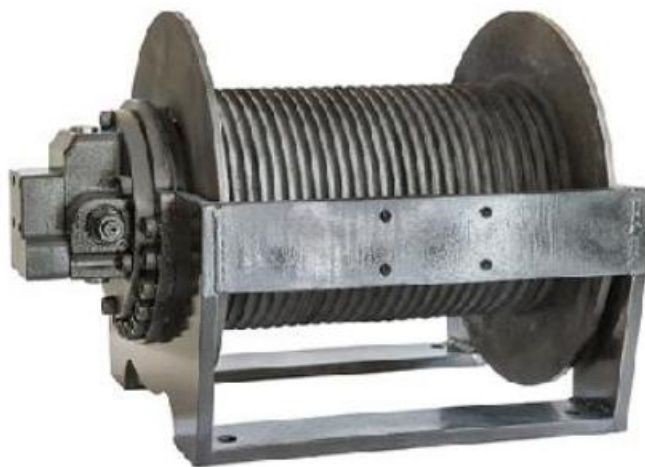
High speed, enhanced seal design.

Good versatility, the same size of the entire series of installation;

The pump is operated in the forward and reverse direction. It can be realized simply by rotating the back cover by 180 degrees. It is easy and convenient to use.

Typical applications Engineering machinery, dump trucks, agricultural machinery, etc.

## Hydraulic Winch



Single layer maximum tension: 26kN;

The highest rope speed: 60m/min;

Capacity capacity: 122m;

Mainly consists of axial piston motor, hydraulic normally closed multi-disc brake, secondary planetary reducer, reel and frame;

The piston motor is equipped with a balancing valve, an overload valve, a shuttle valve and a one-way throttle valve, and has various functions, which greatly simplifies the hydraulic system circuit;

Plunger motor directly inserted, compact size, beautiful appearance;

Start-up and work efficiency, low noise, good economy;

Typical applications: crane industry, construction machinery, ships, etc.

## Hydraulic Rotary



Rated output torque: 4kNm;

The total transmission ratio: 19.5;

Braking torque: 340Nm;

Mainly by the hydraulic motor, reducer, balance valve and overload valve, etc., adding a variety of functions, greatly simplifies the hydraulic system circuit;

Compact structure, easy installation and maintenance. Two-stage deceleration, smooth and reliable rotation;

Typical applications: excavators, rotary drilling rigs, cranes, etc.

## Plunger Pump



Displacement specification: 16...360ml/rev

Rated pressure: 35MPa

Swash plate structure axial piston pump, suitable for open hydraulic drive

design.

The output flow is proportional to the drive speed and displacement, and the swash plate angle can be adjusted to achieve stepless adjustment.

Self-priming performance, long life, short response time, complete control type.

The effective pre-compression volume and the optimized design of the pump housing enable excellent low noise performance.

Through-shaft structure can realize multi-pump combination.

Typical applications: pressure machinery, engineering machinery, hydraulic machinery, etc.

### Plunger Pump



Displacement specification: 63...92ml/rev;

Rated pressure: 35MPa;

Axial dosing plunger pump, through-shaft structure, can directly connect gear pump, no connection sleeve and transition flange, small axial dimension;

Unique structural design, low pressure pulsation, low noise;

Good versatility, the same dimensions, to provide users with multi-displacement specifications pump after the maximum displacement of the gear pump up to 32ml/rev;

The maximum speed 2300rpm;

Typical applications: walking machines, construction cranes, etc.

## Plunger Pump and Motor



Displacement specification: 10.55...94.5ml/rev;

Rated pressure: 21MPa;

The introduction of the United States Vickers proprietary technology to produce light piston pump motor;

The output flow is proportional to the driving speed and displacement, and the swash plate angle can be adjusted to realize stepless adjustment.

Low noise, long life, high efficiency, small size, short response time;

There are metric and imperial installation connection designs;

Typical applications: Truck cranes, light industrial machinery, machine tools, chemical machinery and aerospace warfare.

## Plunger Pump



Displacement specification: 20...250ml/rev;

Rated pressure: 35MPa;

Tilt-axis piston pump, suitable for open hydrostatic drive;

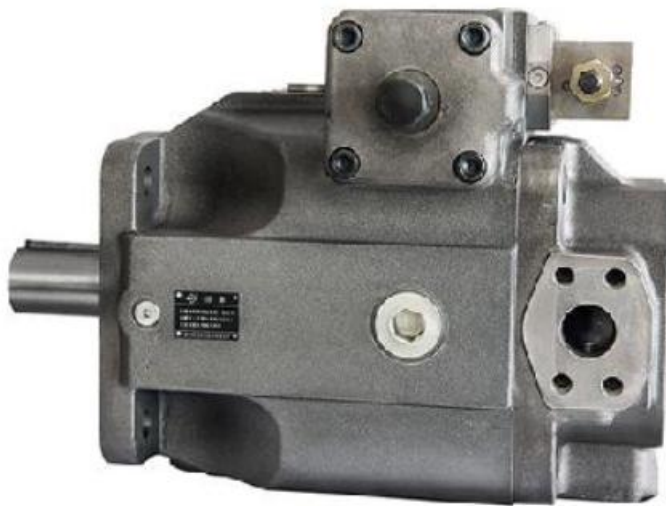
The output flow is proportional to the drive speed and displacement, and at constant speed, the variable is infinitely variable.

High power/weight ratio, compact structure;

Spherical flow distribution, automatic centering, high volumetric efficiency, drive shaft can withstand radial load;

Typical applications: pressure machinery, engineering piling machinery and so on.

### **A4VSO Plunger Pump**



Displacement specification: 40...500ml/rev;

Rated pressure: 35MPa;

Swash plate structure axial piston pump, suitable for open hydraulic drive design;

The output flow is proportional to the driving speed and displacement, and the swash plate angle can be adjusted to realize stepless adjustment.

Good suction performance, low noise, long life, short response time;

Spherical flow distribution, automatic centering, high volumetric efficiency, drive shaft can withstand radial and axial loads;

Through-shaft structure can realize multi-pump combination;

Typical applications: pressure machinery, metallurgical machinery, ceramic machinery, etc.