

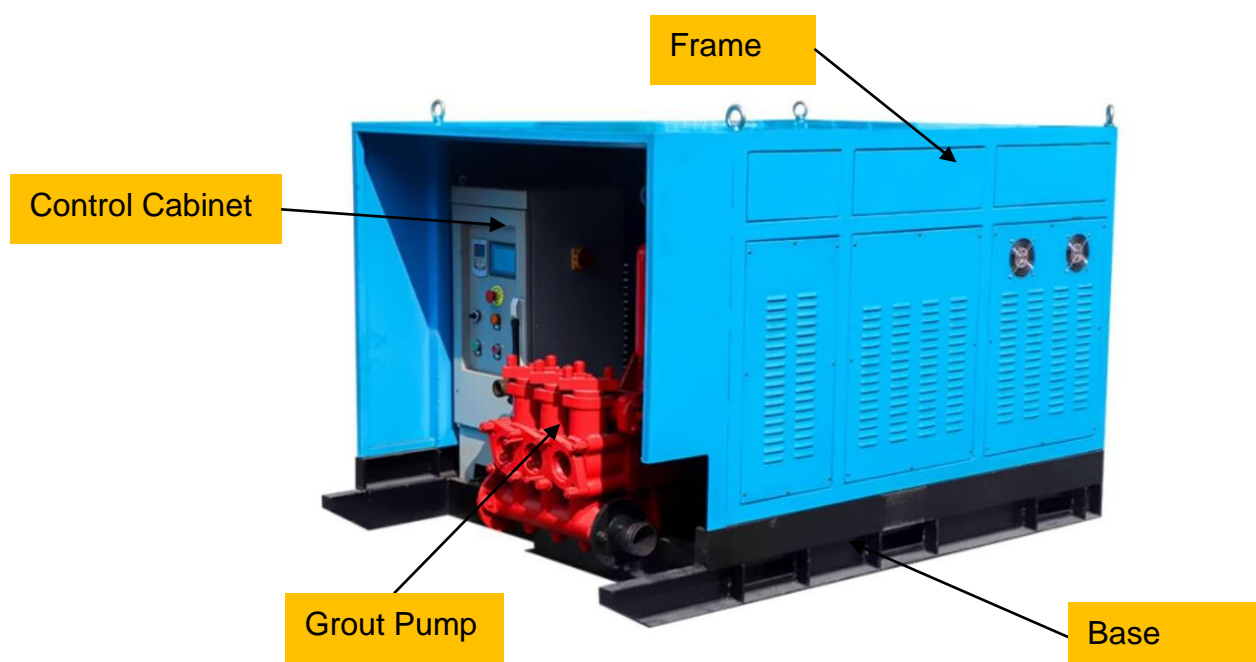
LGP440/50PI-22E High pressure grout pump for drilling rig

1. Description

LGP440/50PI-22E High pressure grout pump for drilling rig is a horizontal three-cylinder reciprocating single action piston pump. It is widely used in mining, geological drilling, railway, highway, water conservancy and hydropower, bridges, high-rise buildings, foundation reinforcement and other projects.

LGP440/50PI-22E Grout Pump has a mature and reliable frequency converter, with the characteristics of safety, energy saving, convenient operation and maintenance. At the same time, the advanced artificial intelligence control is adopted, which is used to realize the display and control of pressure, with the function of instantaneous flow display and accumulation. In addition, the use of crankcase and gearbox integrated design, so the pump is not only reliable performance, long service life, but also small volume and light quality, good decomposition, easy to move.

2. Features

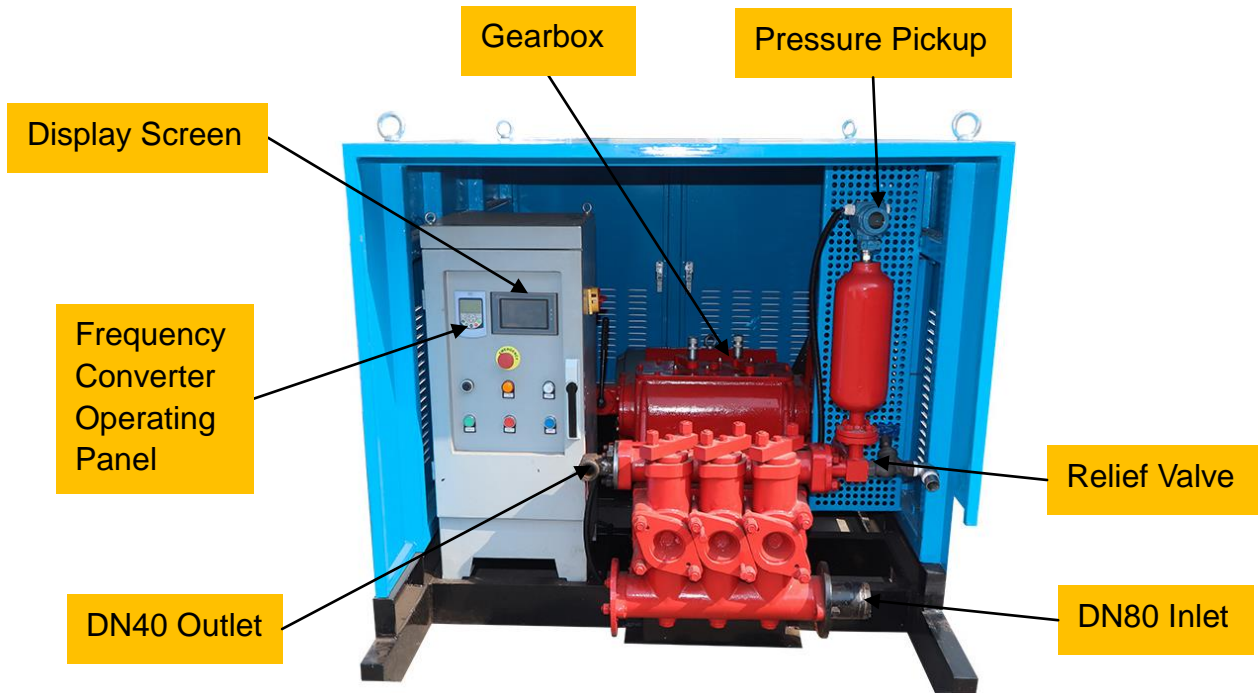


◆ Frame

Can be removed from the base for maintenance

Open door in the important part to facilitate gearbox maintenance

Design with blinds, convenient heat dissipation



◆ Power unit

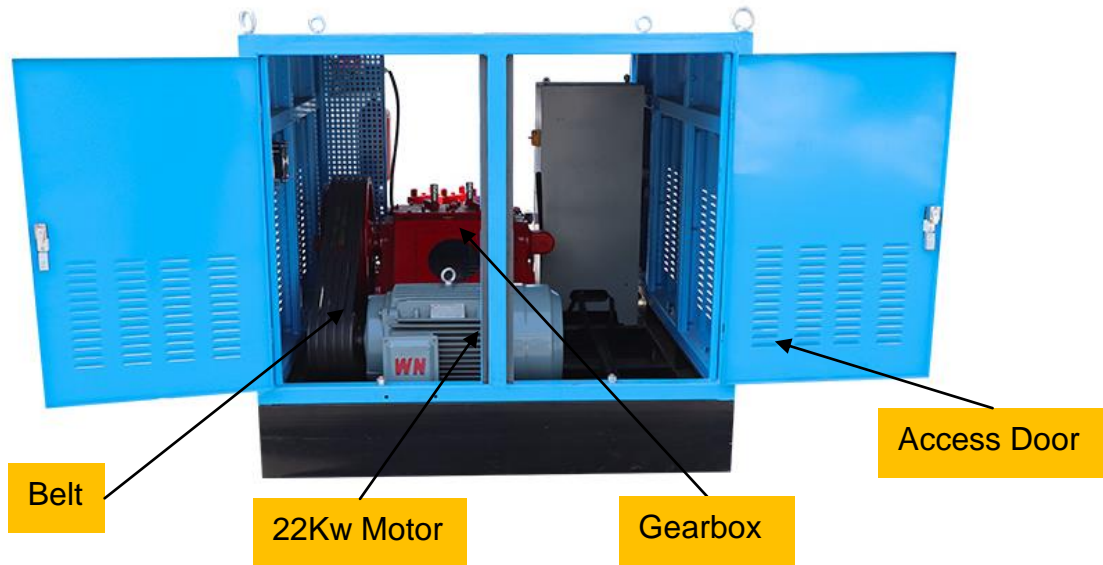
Power 22Kw motor to the gearbox by a belt drive

Mature and reliable frequency converter speed regulating drive

◆ Gearbox

Using inclined gear transmission, stable, safe and reliable operation

Crankcase and gearbox integrated design, so reliable operation, long service life, and small volume and lightweight



◆ Grout Pump

Has 3 water tanks separated from each other, and the three cylinders have a common suction chamber and a drainage chamber

The piston is a bowl-shaped nylon self-sealed S polyurethane rubber piston to improve the service life

It is provided with five dust seals on the pull rod to prevent the hydraulic mud from coming into the power end and the lubricating oil filter.

Relief Valve: When the pressure exceeds the allowable pressure, the overflow valve will automatically open and the working cylinder will stop working

◆ Control system (safe, and easy to operate)

The infinite change of pressure and flow

Advanced artificial intelligence control is adopted, which is used to realize the display and control of pressure numbers, with the function of instantaneous flow display and accumulation.

3. Technology Sheet

Specification :			
Model	LGP440/50PI-22E High pressure grout pump for drilling rig		
Modality	Horizontal three-cylinder reciprocating single-action piston pump		
Cylinder diameter (mm)	100	Cylinder stroke (mm)	110
Power (Kw)	22	Pump speed (r/min)	214
Max. Output (L/min)	440	Max. Pressure (MPa)	5
Inlet diameter (mm)	89	Outlet diameter (mm)	DN40
Size(L×W×H) (mm), Weight (Kg)		2050*1370*1310, 1365	
Data: 1. All data are tested by water.			
2. We can customize products according to your requirements.			

4. Machine Pictures Gallery



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