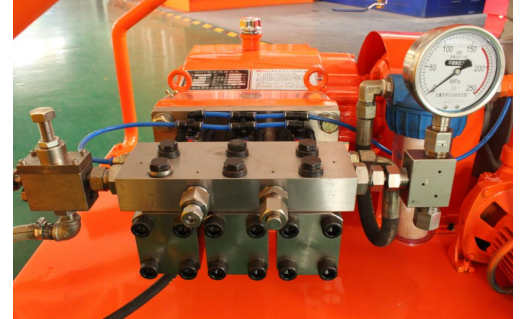


FJ3700 High Pressure Pump System

FJ3700 high pressure pumps are built to operate at the continuous maximum duty stated in the performance parameters. Just compare the crankshaft speed, average plunger speed, plunger diameter and power rating.

High Pressure Pump
Weight: approx. 200 KG



Stationary unit with electric motor

Length: 1300 mm
Width: 900 mm
Height: 1000 mm

Stationary unit with diesel engine

Length: 1600mm
Width: 1200 mm
Height: 1500 mm

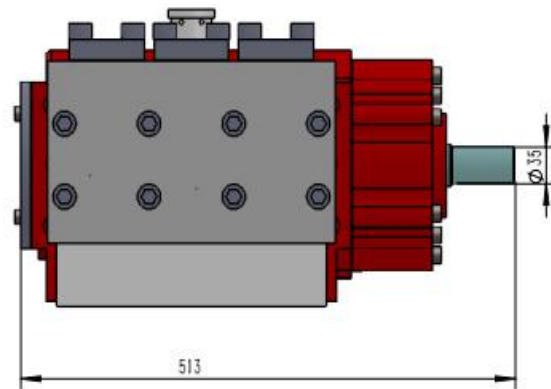
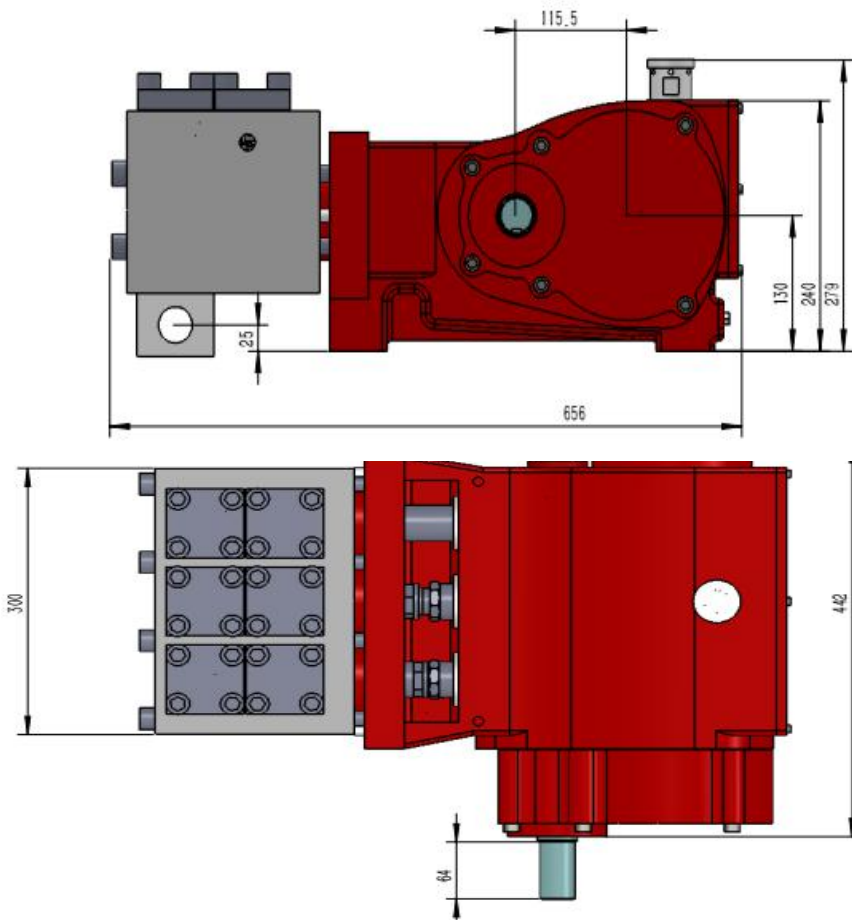


Features

- ◇ Power ratings up to 37kw
- ◇ Horizontal 3 cylinder design
- ◇ Stainless steel pump head free of alternating stress
- ◇ Spring preloaded high pressure sealing make it longer life
- ◇ Solid solid ceramic plunger to ensure high strength and stable operation
- ◇ An optional plunger cooling system can be used to enhance the seal life
- ◇ The designed built-in reducer helps to improve transmission efficiency.
- ◇ Special design of the crankcase magnetic filter
- ◇ crankcase splash lubrication
- ◇ An integrated ball type liquid inlet valve design, greatly improving the efficiency of fluid mechanics.
- ◇ Computational fluid mechanics design in dynamic load to ensure the highest reliability under max duty working conditions.
- ◇ The crankshaft is made of a high strength forging process and is specially treated.

Main dimensions without accessories such as suction line, pressure regulator etc.
Detailed dimensional drawings and weights available on request.

FJ3700 High Pressure Pump System



Standard outlet joint size:
Standard inlet joint size:

FJ3700 series										Rod force	23KN
Model	Plunger diameter (mm)	Flow (l/min)	Required power rate (kw)							Storke	54mm
			11	15	18.5	22	30	37	45	n1	n2
			Operating pressure (bar)							r.p.m.	r.p.m.
FJ3712	0.12	11	520	700	870	1040	1400	1750	2100		
FJ3714	14	15	380	520	640	760	1040	1250	1500	1500	600
FJ3716	16	20	290	400	490	580	800	1000	1200	1500	600
FJ3720	20	31	190	250	390	460	630	780	950	1500	600
FJ3722	22	37	150	210	310	370	510	630	750	1500	600
FJ3726	26	52	110	150	260	310	420	520	630	1500	600
FJ3732	32	78	70	100	220	260	350	440	530	1500	600
FJ3736	36	99	60	80	180	220	300	370	450	1500	600
FJ3740	40	122	50	65	160	190	260	320	390	1500	600

D=Piston/Plunger dia. [mm]

n1=Motor/Engine r.p.m

n2=Crankshaft r.p.m

N2 Plunger speed: 1.08m/s

Rod force: 23KN

Storke: 54mm

FJ3714~FJ3716: A type Fluid End, spring preload dynamic plastic seal, SS fluid end

FJ3720~FJ3740: B type Fluid End, spring preload packing seal, alloy steel fluid end

Conversion table: Rating 1kW=1.34HP

Op.pressure 1bar=14.5psi=0.1Mpa

1GPM=3.78L/M