

# FJ13200 High Pressure Pump System

FJ13200 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. 550 KG



## Features

- ✧ Power ratings up to 132kw
- ✧ Horizontal 3 cylinder design
- ✧ Wide variety of complementary ancillaries

## Quality and reliability

- ✧ 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 integrated lubricating oil and piston cooling system to improve the service life.
- ✧ Built-in double gear reducer to make transmission balance higher efficiency
- ✧ Special design of the crankcase magnetic filter
- ✧ Crankcase forced lubrication system
- ✧ 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

## Stationary unit with electric motor

Length: 2200 mm  
Width: 1600 mm  
Height: 1600 mm  
Weight: 1800 kg

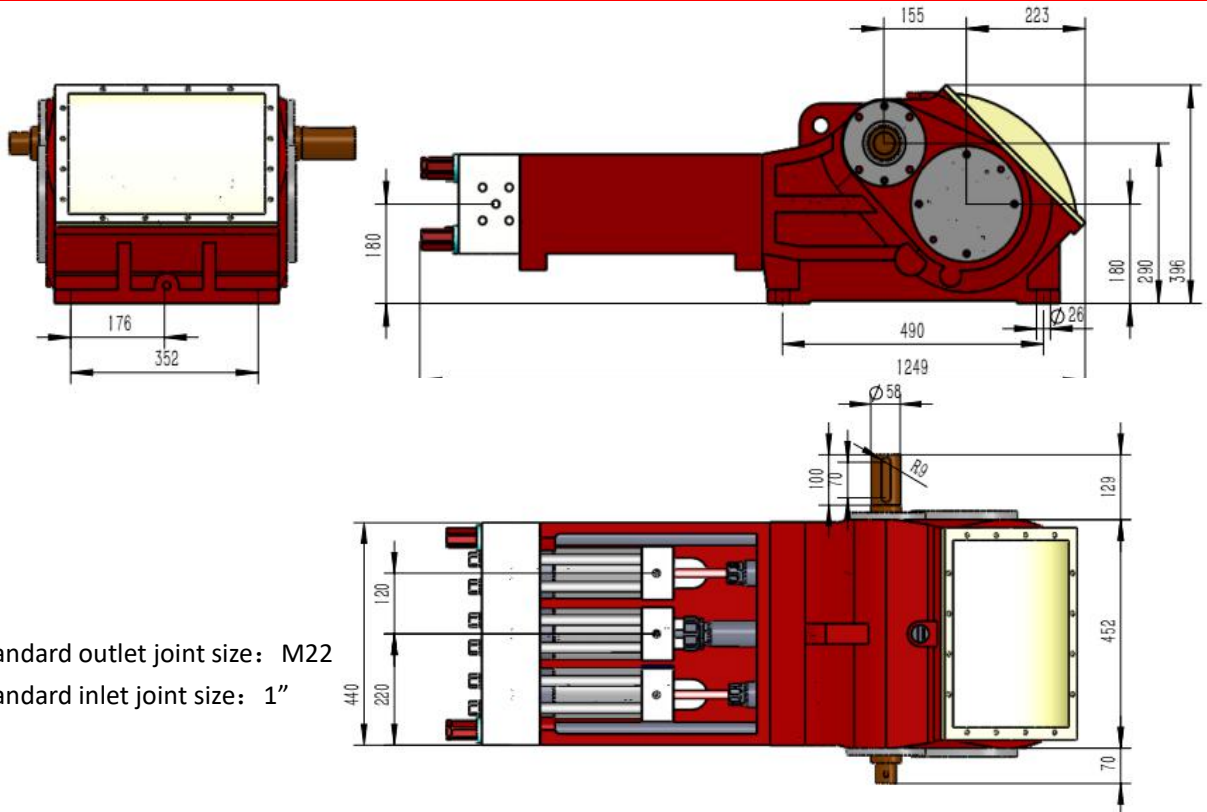
## Stationary unit with diesel engine

Length: 2800 mm  
Weight: 2000 mm  
Height: 2000 mm  
Weight: 2800 kg



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

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Standard outlet joint size: M22  
Standard inlet joint size: 1"

Model	Plunger Diameter(mm)	Flow (l/min)	Required power rate (kw)					D n1	r.p.m. n2
			55kw	75kw	90kw	110kw	132kw		
			Operating pressure (bar)						
FJ13216	16	26	1100	1500	1800	2200	2700	1500	470
FJ13218	18	32	850	1150	1400	1700	2100	1500	470
FJ13220	20	40	700	940	1120	1400	1700	1500	470
FJ13222	22	48	570	780	930	1150	1400	1500	470
FJ13224	24	57	480	650	780	960	1200	1500	470
FJ13226	26	67	400	550	670	820	1020	1500	470
FJ13228	28	78	350	480	580	700	880	1500	470
FJ13230	30	90	300	420	500	600	770	1500	470
FJ13232	32	102	260	370	440	540	670	1500	470
FJ13234	34	115	230	320	390	480	600	1500	470
FJ13236	36	129	210	290	350	430	530	1500	470
FJ13240	40	159	170	230	280	350	430	1500	470
FJ13245	45	202	130	180	220	270	340	1500	470
FJ13250	50	249	110	150	180	220	280	1500	470
FJ13255	55	301	90	120	150	180	230	1500	470

D=Piston/Plunger dia. [mm]  
n1=Motor/Engine r.p.m  
n2=Crankshaft r.p.m  
N2 Plunger speed: 1.08m/s  
Rod force:54KN  
Storke: 90mm

FJ13216~FJ13218: A type Fluid End, spring preload dynamic plastic seal, SS fluid end  
FJ13218~FJ13545: B type Fluid End, spring preload packing seal, alloy steel & SS fluid end  
FJ13236~FJ13255: C type Fluid End, spring preload packing seal, alloy steel fluid end  
Conversion table: Rating 1kW=1.34HP  
Op.pressure 1bar=14.5psi=0.1Mpa  
Energy efficient → Conversion efficiency of FJ high pressure pump can up to 90%~96%