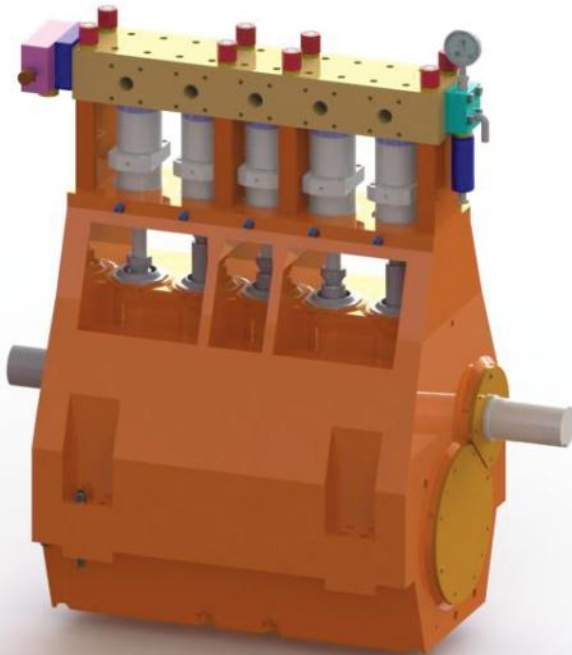




JF60000 High Pressure Pump Systems

JF60000 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.



Stationary unit with diesel engine

Length: 4500 mm

Width: 2000 mm

Height: 2450 mm

Weight: 8000 kg

Feature:

Power ratings up to 800kw

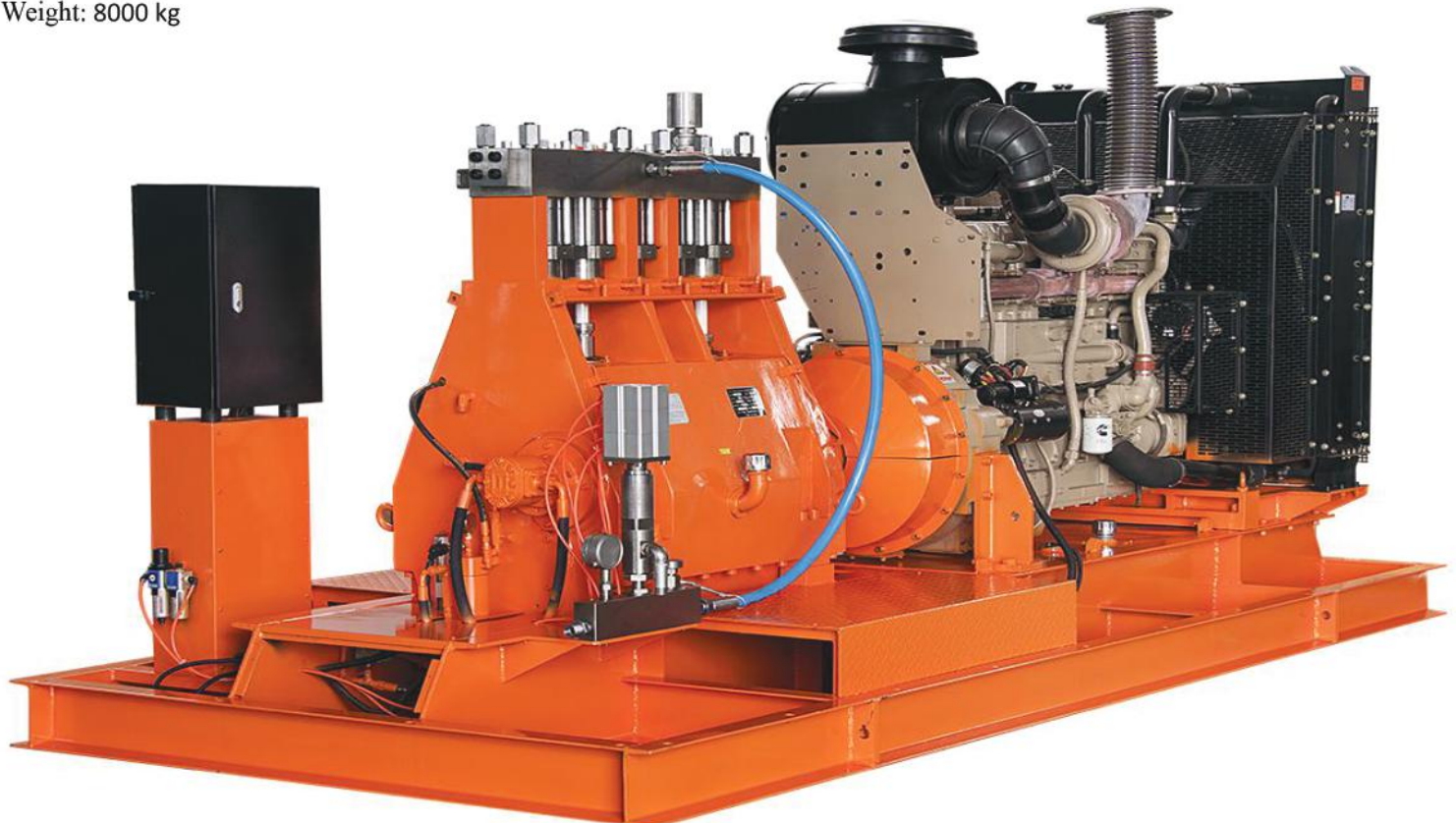
Vertical 3 cylinder design

High Pressure Pump

Weight: approx. 2800 KG

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





JF60000 High Pressure Pump Systems

JF60000 series									
Model	Plunger	Flow	Required power (kw)					D	r.p.m.
	Diameter		500kw	560kw	630kw	710kw	800kw	n1	n2
	(mm)	(l/min)	Operating pressure (bar)						
JF60022	22	72	3500					1500	380
JF60024	24	86	3000	3300				1500	380
JF60026	26	101	2600	2900	3250			1500	380
JF60028	28	117	2200	2490	2800	3150	3500	1500	380
JF60030	30	134	1900	2170	2440	2750	3000	1500	380
JF60032	32	153	1700	1900	2150	2400	2700	1500	380
JF60034	34	172	1500	1690	1900	2140	2400	1500	380
JF60036	36	193	1350	1500	1700	1900	2150	1500	380
JF60040	40	239	1100	1220	1370	1550	1740	1500	380
JF60045	45	302	860	970	1080	1200	1350	1500	380
JF60050	50	373	700	780	880	1000	1100	1500	380
JF60055	55	451	580	645	720	820	920	1500	380
JF60060	60	537	480	540	610	680	770	1500	380
JF60065	65	630	410	460	520	580	660	1500	380
JF60070	70	731	350	400	450	500	570	1500	380
JF60075	75	839	310	350	390	440	490	1500	380
JF60080	80	955	270	305	340	390	430	1500	380
JF60085	85	1078	240	270	300	340	380	1500	380
JF60090	90	1208	210	240	270	300	340	1500	380
JF60095	95	1346	190	220	240	270	300	1500	380
JF60100	100	1492	170	200	220	250	280	1500	380
JF60105	105	1644	160	180	200	220	250	1500	380
JF60110	110	1805	140	160	185	200	230	1500	380

D=Piston/Plunger dia. [mm]

n1=Motor/Engine r.p.m

n2=Crankshaft r.p.m

N2 Plunger speed: 0.73m/s

Rod force:155KN

Stroke: 100mm

Choice N2: 450

JF60022~JF60034: A type Fluid End, spring preload dynamic seal, SS fluid end

JF60036~JF60060: B type Fluid End, spring preload packing seal, alloy steel & SS fluid end

JF60060~JF60110: 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



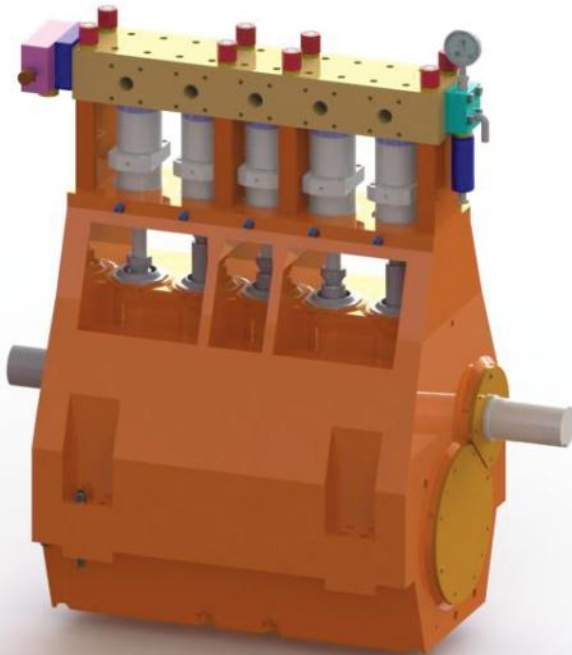
Conversion efficiency of high pressure pump can up to 92%~98%

The dynamic high pressure seal promotes the advantages of Y type seal design, further improving the efficiency, and the special ceramic plunger can reach the maximum 3000bar pressure



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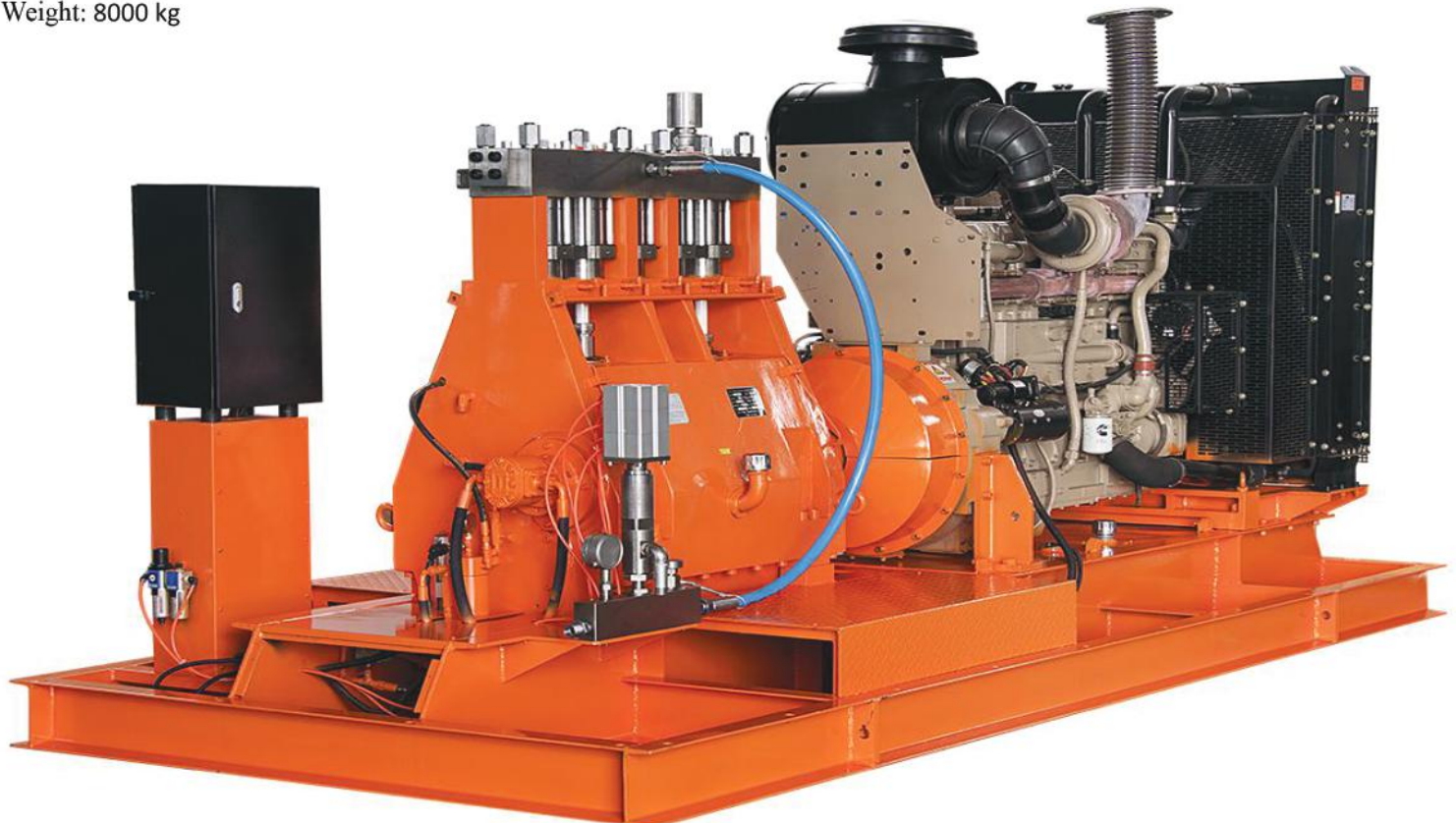
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