

Mud Pump/Drilling Pump



The mud pump, also known as drilling pump, is designed to circulate the drilling fluids under high pressure down to the bottom. The fluid is of high viscosity, large proportion and high sediment concentration. Its main functions are to keep the drill bit cool, suspend and carry out the drill cuttings. Therefore, this reciprocating plunger device is one of the three most initial equipment of the drilling rig. We mainly supply 3NBF series mud pump. This product is horizontal triplex direct drive, and there are many models available such as 3NBF-1300 and 3NBF-1600, etc.

Feature

1. Inerter-duty AC electric motor. The gear shaft is directly driven by this type of motor, avoiding the transmission part in traditional system. So our drilling pump has more compacted structure, higher drilling efficiency and less energy consumption. Besides, the electric motor applied is specially designed to have longer service life, more outstanding stability and reliability.
2. Convenience. Our mud pump package is small in size, light in weight and concise in structure. So this triplex pump has excellent mobility and high degree of stability. This field proven product is tough enough to fit the requirements of high pumping pressure and large output volume.
3. Fully equipped. The hydraulic cylinder adopts straight-through suction valve and discharge valve which are interchangeable. In addition, there are suction conditioning chamber, discharge chamber, welded frame and fixed spraying equipment. Shockproof pressure gauge and shear relief valve are also installed.
4. Standard compliance. The accessories are complied with the API Spec 7k specification.

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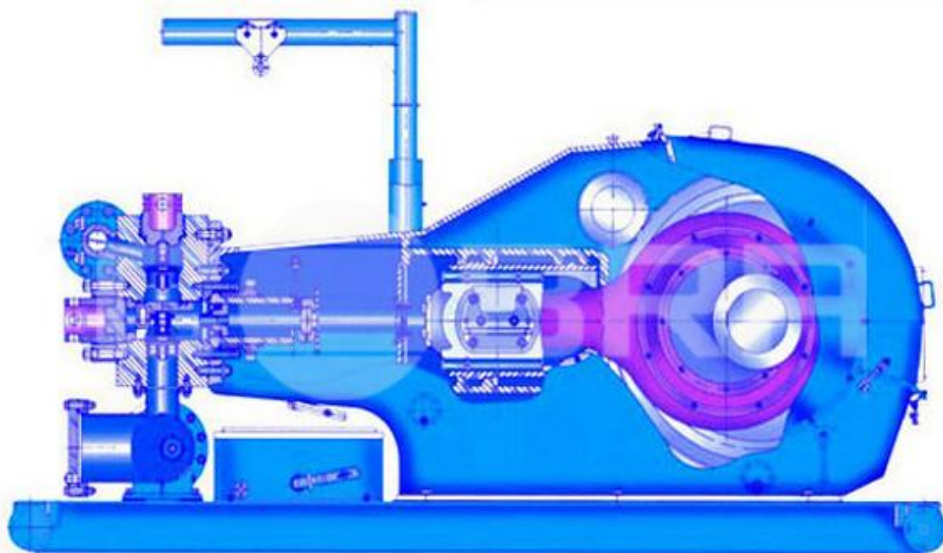
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Specification

			Liner size (mm) Pressure rating (MPa)					
			180	170	160	150	140	130
Stroke/min	F-1300		18.5 189	20.7 211	23.4 239	26.6 272	30.5 312	34.3 350
	F-1600		22.7 232	25.5 260	28.8 294	32.7 334	34.3 350	34.3 350
	Horsepower rating							
	F-1300	F-1600	Flow: liter per second (L/S)					
KW HP	KW HP							
130	1036 1408	1275 1733	50.42	44.97	39.83	35.01	30.50	26.30
120	956 1300	1176 1600	46.54	41.51	36.77	32.32	28.15	24.27
110	876 1192	1078 1467	42.66	38.05	33.71	29.62	25.81	22.25
100	797 1083	980 1333	38.78	34.59	30.64	26.93	23.46	20.23
90	717 975	882 1200	34.90	31.13	27.58	24.24	21.11	18.21
1			0.3878	0.3459	0.3064	0.2693	0.2346	0.2023

Structure



Parts



Pictures of internal component



Crankshaft



Cylinder assembly



Cylinder head plug



Extension rod



Liner nut



valve cover



wear plate



piston guide