

OLEC TWS-600S Triplex Plunger Pump

Basic Description

This pump is a kind of horizontal single function triplex pump. It can be widely used in the intermittent workover operations, such as in acidification cementing fracturing and etc. This pump consist of three important part of power end fluid end assembly and speed reducer assembly ,it has the characteristic of big power high pressure small volume and light weight. The right or left installation site of the reduction gear box is according to the pump, every site has sixteen method of installation.

Performance Parameter										
Pump model:	TWS-600 short pump									
Rated Power:	447Kw									
Max. connecting rod load	445000N									
Stroke:	6" In									
Max. stroke times	450 rpm									
Gear Ratio:	4.61:1									
Overall dimention:	1626×1366×607 L ×W ×H (mm)									
Weight:	2492 Kg									
Pump fig frequency	50		120		200		300		450	
Plunger diameter (in)	pressure (MPa)	displacement (L/min)	pressure (MPa)	displacement (L/min)	pressure (MPa)	displacement (L/min)	pressure (MPa)	displacement (L/min)	pressure (MPa)	displacement (L/min)
3"	97.5	104	97.2	250	58.3	110	38.9	625	25.9	938
3-1/2"	71.7	142	70	341	42.8	150	28.6	851	19	1277
4"	54.9	185	54.6	445	32.8	196	21.9	1112	14.6	1668
4-1/2"	43.4	236	43.2	563	25.9	248	17.3	1407	11.5	2111



Based on 90% ME and 100% VE-Intermittent Service Only.



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OLEC QWS-1000 Quintuplex Plunger Pump

QWS-1000 horizontal Plunger pump is a new single role, bias type, reciprocating Quintuplex plunger pump. It consists of three parts: power side, slow down boxes, hydraulic components side. It is the biggest brake horsepower to 1000BHP (746KW) of the pump with small size, power, and high pressure, flow, etc.

QWS-1000 intermittent Plunger pump for oil well work, such as: acidification, cementing, fracturing, etc.. cover well, operation. Is a high-pressure Plunger pump of choice for well cementing.

Rated Max. Brake Horsepower	1000 BHP (746Kw)
Max. Rod Load	100,000 LBF (43,360 kg)
Stroke Length	6" (152.4mm)
Gear Ratio	4.6:1
Approximate Length	50.25"(1276mm)
	Extended Type 60.25"(1530)
Approximate Width	52.93"(1344mm)
Approximate Height	23.88"(607mm)
Approximate Weight (Dry)	7,000 LBs(3,175kg)
	Extended Type 7,772LBs(3,525kg)

PLUNGER DIAMETER	DISPLACE. PE REV	DISPLACEMENT AT PUMP STROKES PER MINUTE/PINION RPM									
		50/231		119/548		200/922		300/1383		450/2075	
In(mm)	Gal/rev (liter/rev)	gpm (lpm)	PSI (MPa)	gpm (lpm)	PSI (MPa)	gpm (lpm)	PSI (MPa)	gpm (lpm)	PSI (MPa)	gpm (lpm)	PSI (MPa)
3" (76.2)	0.92 (3.5)	46 (174)	15000 (103.4)	109 (413)	15000 (103.4)	184 (695)	8402 (57.9)	275 (1042)	5601 (38.6)	413 (1564)	3734 (25.8)
3 1/2" (88.9)	1.25 (4.7)	62 (236)	10394 (71.7)	148 (562)	10392 (71.7)	250 (946)	6173 (42.6)	375 (1419)	4115 (28.4)	562 (2128)	2744 (18.9)
4" (101.6)	1.63 (6.2)	82 (309)	7958 (54.9)	194 (734)	7956 (54.9)	326 (1235)	4726 (32.6)	490 (1853)	3151 (21.7)	735 (2780)	2100 (14.5)
4 1/2" (114.3)	2.07 (7.8)	103 (391)	6288 (43.4)	245 (929)	6287 (43.4)	413 (1564)	3734 (25.6)	620 (2345)	2489 (17.2)	929 (3518)	1660 (11.4)
INPUT POWER : BHP(Kw)		421(314)		1000(746)		1000(746)		1000(746)		1000(746)	



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