

Pumping Solutions from Yalong

YaLong has long been a leading supplier of pumping solutions for the Energy, Industrial, Chemical, Mining, Pulp and Paper, Food, medical, Steel/Aluminum, Reverse Osmosis, Glass, detergent, high pressure scale-washing, geological, rock mechnic, electric power, and Municipal markets.

Many factors have contributed to our success, but the most important is our ability to provide unmatched overall value and true pumping solutions for our customers. We have redefined the traditional expectations in the industry by setting new standards for low cost of owner-ship, long service life, and ease of maintenance.

Talented technical persons, high design level, complete quality control system, excellent after-sales team and service are available in the company. We deliver value by:

Offering the most comprehensive line of reciprocating, positive displacement pumps available on the market today. Our wide range of cost effective pumps are available in a range of designs and materials. With over 20 unique pump frame sizes to choose from no matter if your service requires 2HP or 1000HP, chances are that YaLong has an optimal pump for your application.

Providing the experience and total capabilities that few other suppliers can match. We have the in-house expertise to carefully review your requirements and assist with the selection of the best products to meet the needs of your application. If your needs re-quire it, we can unitize the pump and provide anything from simple engine or electric motor driven pump skids to complete enclosed pumping stations.

All series of products of our company have mutual characteristics in advanced design,modern structure,stable run, convenient maintenance,safe and reliable sealing,long life in easy-wear parts, high volumetric efficiency, etc. On the base of existing series of products, tailor-made product with special specification can be provided to the users.

Our primary reciprocating pump offerings are the T Series and Q Series pumps. These pumps are horizontal reciprocating pumps offered in either a triplex or quintuplex configuration. All are available as plunger pumps, and many are also available piston pumps. These pumps are outstanding performers and extremely cost effective. They feature conservative pressure ratings and slow speed operation for enhanced durability.

These are high pressure reciprocating pumps which have 24 types with 800 different specifications. Highest output pressure available is 280 MPa. And theoretical flow rate 0.2-210 m3/h. These high pressure pumps are used as water injection pumps used in oil field,pump for tank-filling of liquified carbon dioxide, high pressure steam boiler feed water pump, CO₂ supercritical extraction pump, high pressure mud pump, cement grouting pump, pressure test pump, copper liquid pump, Detergent sludge pump, reciprocating crude oil pump, sea water pump, reverse osmosis desalination pumps, high pressure dephosphorizing pump used in metallurgical industry, cleaning pump, pipe cleaning pump, pressurizing pump, hyper pressure pump and The polymer injection pumps.

3CQ series These are pumps for intake and extraction of liquified gas. Their maximum output pressure is 120 MPa. These pumps have following characteristics, ie: advanced technology, compact structure, high efficiency, low noise, low gas-sealing factor, easy maintenance and reliable performance which reaches domestic leading level. They are widely used in transportation of liquified gas and in supercritical extraction of carbon dioxide in medical and food industries.

All series of products of our company have mutual characteristics in advanced design, modern structure, stable run, convenient maintenance, safe and reliable sealing, long life in easy-wear parts, high volumetric efficiency,etc. On the base of existing series of products, tailor-made product with special specification can be provided to the users.

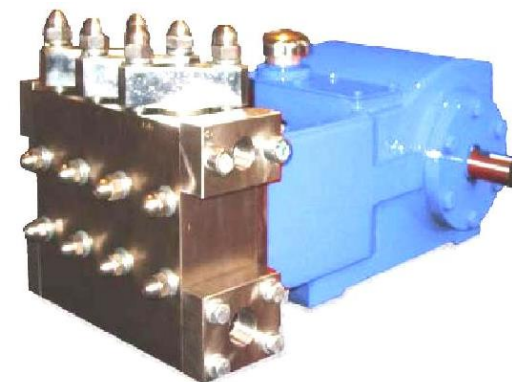
In the aim of 'All are for users'. We are prepared to serve sincerely for all users.



The YALONG Model T9 is a single acting triplex plunger pump rated at 9.5 HP in continuous duty services and up to 13.8 HP in intermittent duty. This versatile pump is offered with a variety of material and design options that make it ideal for general industrial, reverse osmosis, and typical applications involved in the production of oil and natural gas.

Specifications

	English Units	Metric Units		Continuous	Intermittent
Stroke Length		35 mm	Rated bhp	9 HP	13.8 HP
Rated Rod Load	1984 lb	900 Kg	Maximum Speed	430 rpm	600 rpm
Pump Weight	210 lb	105 Kg	Minimum Speed	90 rpm	75 rpm
Oil Capacity	0.53 gal	2.0 L	Max. plunger size x stroke length.	42x35 mm	
Max. Fluid Temp	284 °F	150 °C	Crankshaft extension Dia.x length	30x52 mm	
Mechanical Efficiency		90%	Keyway (width x depth x length)	8x4x50 mm	



Performance Ratings (Volumes indicated are displacement of incompressible fluid)

plunger Dia.		L/RPM	Gal/RPM	Max.Press.		pump speed=90RPM			pump speed=200RPM			pump speed=300RPM			pump speed=430RPM			pump speed=500RPM			pump speed=600RPM		
mm	in			Mpa	Psi	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h
11	0.43	0.010	0.003	80.0	1160	0.9	0.2	0.1	2.0	0.5	0.1	3.0	0.8	0.2	4.3	1.1	0.3	5.0	1.3	0.3	6.0	1.6	0.4
13	0.51	0.014	0.004	63.0	9135	1.3	0.3	0.1	2.8	0.7	0.2	4.2	1.1	0.3	6.0	1.6	0.4	7.0	1.8	0.4	8.4	2.2	0.5
15	0.59	0.019	0.005	50.0	7250	1.7	0.4	0.1	3.7	1.0	0.2	5.6	1.5	0.3	8.0	2.1	0.5	9.3	2.4	0.6	11.1	2.9	0.7
17	0.67	0.024	0.006	40.0	5800	2.1	0.6	0.1	4.8	1.3	0.3	7.1	1.9	0.4	10.2	2.7	0.6	11.9	3.1	0.7	14.3	3.8	0.9
19	0.75	0.030	0.008	32.0	4640	2.7	0.7	0.2	6.0	1.6	0.4	8.9	2.4	0.5	12.8	3.4	0.8	14.9	3.9	0.9	17.9	4.7	1.1
21	0.83	0.036	0.010	25.0	3625	3.3	0.9	0.2	7.3	1.9	0.4	10.9	2.9	0.7	15.6	4.1	0.9	18.2	4.8	1.1	21.8	5.8	1.3
24	0.94	0.047	0.013	20.0	2900	4.3	1.1	0.3	9.5	2.5	0.6	14.2	3.8	0.9	20.4	5.4	1.2	23.7	6.3	1.4	28.5	7.5	1.7
26	1.02	0.056	0.015	16.0	2320	5.0	1.3	0.3	11.1	2.9	0.7	16.7	4.4	1.0	24.0	6.3	1.4	27.9	7.4	1.7	33.4	8.8	2.0
30	1.18	0.074	0.020	12.5	1813	6.7	1.8	0.4	14.8	3.9	0.9	22.3	5.9	1.3	31.9	8.4	1.9	37.1	9.8	2.2	44.5	11.8	2.7
33	1.30	0.090	0.024	10.0	1450	8.1	2.1	0.5	18.0	4.7	1.1	26.9	7.1	1.6	38.6	10.2	2.3	44.9	11.9	2.7	53.9	14.2	3.2
37	1.46	0.113	0.030	8.0	1160	10.2	2.7	0.6	22.6	6.0	1.4	33.9	8.9	2.0	48.5	12.8	2.9	56.4	14.9	3.4	67.7	17.9	4.1
41	1.61	0.139	0.037	6.3	914	12.5	3.3	0.7	27.7	7.3	1.7	41.6	11.0	2.5	59.6	15.7	3.6	69.3	18.3	4.2			
Brake Horsepower Required						2.1			4.6			6.9			9.9 (Continuous work)			11.5			13.8		

*Flows are based on 100% volumetric efficiency. Brake Horsepower /Kilowatts Required is based on 90% Mechanical Efficiency.Consult YaLong for continuous service speeds in excess of 430 RPM.

Not all plunger sizes are shown, Additional plunger sizes are available.Please contact YaLong for more details. Standard configuration is a single extended crank, double extending crankshaft please contact YALONG.

Discharge and Suction Connection mode and size please contact YALONG.

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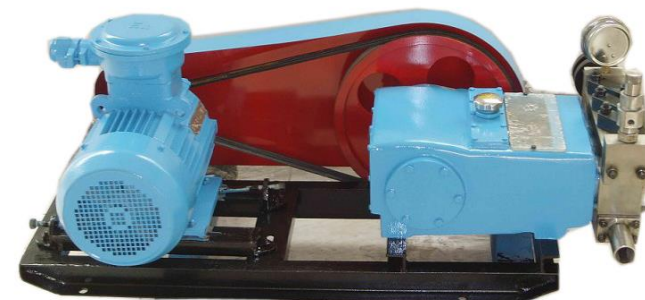
NANJING YALONG PETROCHEMICAL EQUIPMENT TECHNOLOGY Co.,LTD. (HIGH PRESSURE RECIPROCATING PUMP MANUFACTURER)

www.jspump.cn; e-mail: longpump@gmail.com / sales@jspump.cn; Tel:086-25-86166871 Fax:086-25-86166830 Mobil:+86-13951858681

The YALONG Model T14 is a single acting triplex plunger pump rated at 14 HP in continuous duty services and up to 20 HP in intermittent duty. This versatile pump is offered with a variety of material and design options that make it ideal for general industrial, reverse osmosis, and typical applications involved in the production of oil and natural gas.

Specifications

	English Units	Metric Units		Continuous	Intermittent
Stroke Length		40 mm	Rated bhp	14 HP	20 HP
Rated Rod Load	2425 lb	1200 Kg	Maximum Speed	400 rpm	550 rpm
Pump Weight	330 lb	150 Kg	Minimum Speed	90 rpm	75 rpm
Oil Capacity	1.19 gal	5.0 L	Max. plunger size x stroke length.	60x40 mm	
Max. Fluid Temp	284 °F	150 °C	Crankshaft extension Dia.x length	45x60 mm	
Mechanical Efficiency		90%	Keyway (width x depth x length)	14x5.5x55 mm	



Performance Ratings (Volumes indicated are displacement of incompressible fluid)

plunger Dia.		L/RPM	Gal/RPM	Max.Press.		pump speed=90RPM			pump speed=200RPM			pump speed=300RPM			pump speed=400RPM			pump speed=500RPM			pump speed=550RPM		
mm	in			Mpa	Psi	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h
14	0.55	0.018	0.005	80.0	11600	1.7	0.4	0.1	3.7	1.0	0.2	5.5	1.5	0.3	7.4	2.0	0.4	9.2	2.4	0.6	10.2	2.7	0.6
15	0.59	0.021	0.006	63.0	9135	1.9	0.5	0.1	4.2	1.1	0.3	6.4	1.7	0.4	8.5	2.2	0.5	10.6	2.8	0.6	11.7	3.1	0.7
17	0.67	0.027	0.007	50.0	7250	2.5	0.6	0.1	5.4	1.4	0.3	8.2	2.2	0.5	10.9	2.9	0.7	13.6	3.6	0.8	15.0	4.0	0.9
19	0.75	0.034	0.009	40.0	5800	3.1	0.8	0.2	6.8	1.8	0.4	10.2	2.7	0.6	13.6	3.6	0.8	17.0	4.5	1.0	18.7	4.9	1.1
22	0.87	0.046	0.012	32.0	4640	4.1	1.1	0.2	9.1	2.4	0.5	13.7	3.6	0.8	18.2	4.8	1.1	22.8	6.0	1.4	25.1	6.6	1.5
25	0.98	0.059	0.016	25.0	3625	5.3	1.4	0.3	11.8	3.1	0.7	17.7	4.7	1.1	23.6	6.2	1.4	29.4	7.8	1.8	32.4	8.6	1.9
28	1.10	0.074	0.020	20.0	2900	6.6	1.8	0.4	14.8	3.9	0.9	22.2	5.9	1.3	29.5	7.8	1.8	36.9	9.8	2.2	40.6	10.7	2.4
31	1.22	0.091	0.024	16.0	2320	8.1	2.2	0.5	18.1	4.8	1.1	27.2	7.2	1.6	36.2	9.6	2.2	45.3	12.0	2.7	49.8	13.2	3.0
35	1.38	0.115	0.030	12.5	1813	10.4	2.7	0.6	23.1	6.1	1.4	34.6	9.1	2.1	46.2	12.2	2.8	57.7	15.2	3.5	63.5	16.8	3.8
39	1.54	0.143	0.038	10.0	1450	12.9	3.4	0.8	28.7	7.6	1.7	43.0	11.4	2.6	57.3	15.1	3.4	71.6	18.9	4.3	78.8	20.8	4.7
44	1.73	0.182	0.048	8.0	1160	16.4	4.3	1.0	36.5	9.6	2.2	54.7	14.5	3.3	72.9	19.3	4.4	91.2	24.1	5.5	100.3	26.5	6.0
50	1.97	0.236	0.062	6.3	914	21.2	5.6	1.3	47.1	12.4	2.8	70.7	18.7	4.2	94.2	24.9	5.7	117.8	31.1	7.1	129.5	34.2	7.8
60	2.36	0.339	0.090	4.0	580	30.5	8.1	1.8	67.8	17.9	4.1	101.7	26.9	6.1	135.6	35.8	8.1	169.6	44.8	10.2	186.5	49.3	11.2
Brake Horsepower Required						3.3			7.3			11			14.7 (Continuous work)			18.3			20.2		

*Flows are based on 100% volumetric efficiency. Brake Horsepower /Kilowatts Required is based on 90% Mechanical Efficiency.Consult YaLong for continuous service speeds in excess of 400 RPM.

Not all plunger sizes are shown, Additional plunger sizes are available.Please contact YaLong for more details. Standard configuration is a single extended crank, double extending crankshaft please contact YALONG. Discharge and Suction Connection mode and size please contact YALONG.

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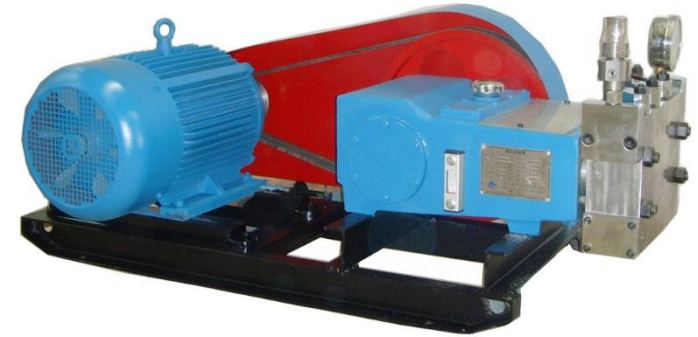
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The YALONG Model T22 is a single acting triplex plunger pump rated at 22 HP in continuous duty services and up to 30 HP in intermittent duty. This versatile pump is offered with a variety of material and design options that make it ideal for general industrial, reverse osmosis, and typical applications involved in the production of oil and natural gas.

Specifications

	English Units	Metric Units		Continuous	Intermittent
Stroke Length		40 mm	Rated bhp	22HP	30HP
Rated Rod Load	4630 lb	2100 Kg	Maximum Speed	370 rpm	500 rpm
Pump Weight	485 lb	220 Kg	Minimum Speed	90 rpm	75 rpm
Oil Capacity	1.32 gal	6.0 L	Max. plunger size x stroke length.	62x40 mm	
Max. Fluid Temp	284 °F	150 °C	Crankshaft extension Dia.x length	45x65 mm	
Mechanical Efficiency		90%	Keyway (width x depth x length)	14x5.5x65 mm	



Performance Ratings (Volumes indicated are displacement of incompressible fluid)

plunger Dia.		L/RPM	Gal/RPM	Max.Press.		pump speed=90RPM			pump speed=200RPM			pump speed=280RPM			pump speed=370RPM			pump speed=450RPM			pump speed=500RPM		
mm	in			Mpa	Psi	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h
16	0.63	0.024	0.006	100.0	14500	2.2	0.6	0.1	4.8	1.3	0.3	6.8	1.8	0.4	8.9	2.4	0.5	10.9	2.9	0.7	12.1	3.2	0.7
18	0.71	0.031	0.008	80.0	11600	2.7	0.7	0.2	6.1	1.6	0.4	8.5	2.3	0.5	11.3	3.0	0.7	13.7	3.6	0.8	15.3	4.0	0.9
20	0.79	0.038	0.010	63.0	9135	3.4	0.9	0.2	7.5	2.0	0.5	10.6	2.8	0.6	13.9	3.7	0.8	17.0	4.5	1.0	18.8	5.0	1.1
23	0.91	0.050	0.013	50.0	7250	4.5	1.2	0.3	10.0	2.6	0.6	14.0	3.7	0.8	18.4	4.9	1.1	22.4	5.9	1.3	24.9	6.6	1.5
25	1.00	0.061	0.016	40.0	5800	5.5	1.4	0.3	12.2	3.2	0.7	17.0	4.5	1.0	22.5	5.9	1.3	27.3	7.2	1.6	30.4	8.0	1.8
28	1.10	0.074	0.020	32.0	4640	6.6	1.8	0.4	14.8	3.9	0.9	20.7	5.5	1.2	27.3	7.2	1.6	33.2	8.8	2.0	36.9	9.8	2.2
32	1.26	0.096	0.025	25.0	3625	8.7	2.3	0.5	19.3	5.1	1.2	27.0	7.1	1.6	35.7	9.4	2.1	43.4	11.5	2.6	48.2	12.7	2.9
36	1.42	0.122	0.032	20.0	2900	11.0	2.9	0.7	24.4	6.5	1.5	34.2	9.0	2.1	45.2	11.9	2.7	54.9	14.5	3.3	61.0	16.1	3.7
40	1.57	0.151	0.040	16.0	2320	13.6	3.6	0.8	30.1	8.0	1.8	42.2	11.1	2.5	55.8	14.7	3.3	67.8	17.9	4.1	75.4	19.9	4.5
46	1.81	0.199	0.053	12.5	1813	17.9	4.7	1.1	39.9	10.5	2.4	55.8	14.7	3.3	73.8	19.5	4.4	89.7	23.7	5.4	99.7	26.3	6.0
51	2.01	0.245	0.065	10.0	1450	22.1	5.8	1.3	49.0	12.9	2.9	68.6	18.1	4.1	90.7	23.9	5.4	110.3	29.1	6.6	122.5	32.4	7.4
57	2.24	0.306	0.081	8.0	1160	27.5	7.3	1.7	61.2	16.2	3.7	85.7	22.6	5.1	113.2	29.9	6.8	137.7	36.4	8.3	153.0	40.4	9.2
62	2.44	0.362	0.096	6.3	914	32.6	8.6	2.0	72.4	19.1	4.3	101.4	26.8	6.1	134.0	35.4	8.0	162.9	43.0	9.8	181.1	47.8	10.9
Brake Horsepower Required						5.6			12.5			17.3			22.9 (Continuous work)			27.8			30.9		

*Flows are based on 100% volumetric efficiency. Brake Horsepower /Kilowatts Required is based on 90% Mechanical Efficiency.Consult YaLong for continuous service speeds in excess of 370 RPM.

Not all plunger sizes are shown, Additional plunger sizes are available.Please contact YaLong for more details. Standard configuration is a single extended crank, double extending crankshaft please contact YALONG. Discharge and Suction Connection mode and size please contact YALONG.

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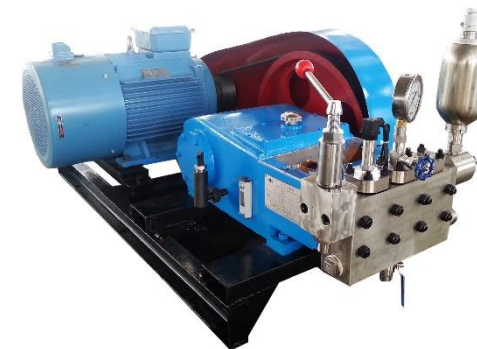
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The YALONG Model T40 is a single acting triplex plunger pump rated at 40 HP in continuous duty services and up to 53 HP in intermittent duty. This versatile pump is offered with a variety of material and design options that make it ideal for general industrial, reverse osmosis, and typical applications involved in the production of oil and natural gas.

Specifications

	English Units	Metric Units		Continuous	Intermittent
Stroke Length		60 mm	Rated bhp	40 HP	53 HP
Rated Rod Load	4800 lb	2180 Kg	Maximum Speed	430 rpm	550 rpm
Pump Weight	618 lb	280 Kg	Minimum Speed	90 rpm	75 rpm
Oil Capacity	2.25 gal	8.5 L	Max. plunger size x stroke length.	72x60 mm	
Max. Fluid Temp	752 °F	400 °C	Crankshaft extension Dia.x length	50x69 mm	
Mechanical Efficiency		90%	Keyway (width x depth x length)	14x5x60 mm	



Performance Ratings (Volumes indicated are displacement of incompressible fluid)

plunger Dia.		L/RPM	Gal/RPM	Max.Press.		pump speed=90RPM			pump speed=200RPM			pump speed=300RPM			pump speed=430RPM			pump speed=500RPM			pump speed=550RPM		
mm	in			Mpa	Psi	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h
16	0.63	0.036	0.010	100.0	14500	3.3	0.9	0.2	7.2	1.9	0.4	10.9	2.9	0.7	15.6	4.1	0.9	18.1	4.8	1.1	19.9	5.3	1.2
18	0.71	0.046	0.012	80.0	11600	4.1	1.1	0.2	9.2	2.4	0.5	13.7	3.6	0.8	19.7	5.2	1.2	22.9	6.0	1.4	25.2	6.7	1.5
20	0.79	0.057	0.015	63.0	9135	5.1	1.3	0.3	11.3	3.0	0.7	17.0	4.5	1.0	24.3	6.4	1.5	28.3	7.5	1.7	31.1	8.2	1.9
23	0.91	0.075	0.020	50.0	7250	6.7	1.8	0.4	14.9	3.9	0.9	22.4	5.9	1.3	32.1	8.5	1.9	37.4	9.9	2.2	41.1	10.9	2.5
26	1.02	0.096	0.025	40.0	5800	8.6	2.3	0.5	19.1	5.0	1.1	28.7	7.6	1.7	41.1	10.9	2.5	47.8	12.6	2.9	52.5	13.9	3.2
29	1.14	0.119	0.031	32.0	4640	10.7	2.8	0.6	23.8	6.3	1.4	35.6	9.4	2.1	51.1	13.5	3.1	59.4	15.7	3.6	65.4	17.3	3.9
33	1.30	0.154	0.041	25.0	3625	13.8	3.7	0.8	30.8	8.1	1.8	46.2	12.2	2.8	66.2	17.5	4.0	76.9	20.3	4.6	84.6	22.4	5.1
37	1.46	0.193	0.051	20.0	2900	17.4	4.6	1.0	38.7	10.2	2.3	58.0	15.3	3.5	83.2	22.0	5.0	96.7	25.6	5.8	106.4	28.1	6.4
41	1.61	0.238	0.063	16.0	2320	21.4	5.6	1.3	47.5	12.5	2.9	71.3	18.8	4.3	102.1	27.0	6.1	118.8	31.4	7.1	130.6	34.5	7.8
46	1.81	0.299	0.079	12.5	1813	26.9	7.1	1.6	59.8	15.8	3.6	89.7	23.7	5.4	128.6	34.0	7.7	149.5	39.5	9.0	164.4	43.4	9.9
52	2.05	0.382	0.101	10.0	1450	34.4	9.1	2.1	76.4	20.2	4.6	114.6	30.3	6.9	164.3	43.4	9.9	191.0	50.5	11.5	210.1	55.5	12.6
58	2.28	0.475	0.126	8.0	1160	42.8	11.3	2.6	95.1	25.1	5.7	142.6	37.7	8.6	204.4	54.0	12.3	237.7	62.8	14.3	261.4	69.1	15.7
66	2.60	0.616	0.163	6.3	914	55.4	14.6	3.3	123.1	32.5	7.4	184.7	48.8	11.1	264.7	69.9	15.9	307.8	81.3	18.5	338.5	89.4	20.3
72	2.83	0.732	0.194	5.0	725	65.9	17.4	4.0	146.5	38.7	8.8	219.7	58.1	13.2	315.0	83.2	18.9	366.2	96.8	22.0	402.9	106.4	24.2
Brake Horsepower Required						8.6			19.2			28.8			41.3 (Continuous work)			48			52.8		

*Flows are based on 100% volumetric efficiency. Brake Horsepower /Kilowatts Required is based on 90% Mechanical Efficiency.Consult YaLong for continuous service speeds in excess of 430 RPM.

Not all plunger sizes are shown, Additional plunger sizes are available.Please contact YaLong for more details. Standard configuration is a single extended crank, double extending crankshaft please contact YALONG.

Discharge and Suction Connection mode and size please contact YALONG.

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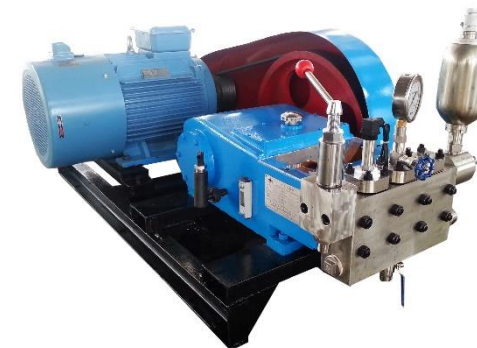
NANJING YALONG PETROCHEMICAL EQUIPMENT TECHNOLOGY Co.,LTD. (HIGH PRESSURE RECIPROCATING PUMP MANUFACTURER)

www.jspump.cn; e-mail: longpump@gmail.com / sales@jspump.cn; Tel:086-25-86166871 Fax:086-25-86166830 Mobil:+86-13951858681

The YALONG Model T50 is a single acting triplex plunger pump rated at 50 HP in continuous duty services and up to 62HP in intermittent duty. This versatile pump is offered with a variety of material and design options that make it ideal for general industrial, reverse osmosis, and typical applications involved in the production of oil and natural gas.

Specifications

	English Units	Metric Units		Continuous	Intermittent
Stroke Length		70 mm	Rated bhp	50 HP	62 HP
Rated Rod Load	5400 lb	2450 Kg	Maximum Speed	400 rpm	500 rpm
Pump Weight	618 lb	290 Kg	Minimum Speed	90 rpm	75 rpm
Oil Capacity	2.25 gal	8.5 L	Max. plunger size x stroke length.	72x60 mm	
Max. Fluid Temp	752 °F	400 °C	Crankshaft extension Dia.x length	50x69 mm	
Mechanical Efficiency		90%	Keyway (width x depth x length)	14x5x60 mm	



Performance Ratings (Volumes indicated are displacement of incompressible fluid)

plunger Dia.		L/RPM	Gal/RPM	Max.Press.		pump speed=90RPM			pump speed=200RPM			pump speed=300RPM			pump speed=400RPM			pump speed=500RPM		
mm	in			Mpa	Psi	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h
14	0.55	0.032	0.009	150.0	21750	2.9	0.8	0.2	6.5	1.7	0.4	9.7	2.6	0.6	12.9	3.4	0.8	16.2	4.3	1.0
17	0.67	0.048	0.013	100.0	14500	4.3	1.1	0.3	9.5	2.5	0.6	14.3	3.8	0.9	19.1	5.0	1.1	23.8	6.3	1.4
19	0.75	0.060	0.016	80.0	11600	5.4	1.4	0.3	11.9	3.1	0.7	17.9	4.7	1.1	23.8	6.3	1.4	29.8	7.9	1.8
22	0.87	0.080	0.021	63.0	9135	7.2	1.9	0.4	16.0	4.2	1.0	23.9	6.3	1.4	31.9	8.4	1.9	39.9	10.5	2.4
25	0.98	0.103	0.027	50.0	7250	9.3	2.4	0.6	20.6	5.4	1.2	30.9	8.2	1.9	41.2	10.9	2.5	51.5	13.6	3.1
27	1.06	0.120	0.032	40.0	5800	10.8	2.9	0.6	24.0	6.3	1.4	36.1	9.5	2.2	48.1	12.7	2.9	60.1	15.9	3.6
31	1.22	0.158	0.042	32.0	4640	14.3	3.8	0.9	31.7	8.4	1.9	47.5	12.6	2.9	63.4	16.7	3.8	79.2	20.9	4.8
35	1.38	0.202	0.053	25.0	3625	18.2	4.8	1.1	40.4	10.7	2.4	60.6	16.0	3.6	80.8	21.3	4.8	101.0	26.7	6.1
39	1.54	0.251	0.066	20.0	2900	22.6	6.0	1.4	50.1	13.2	3.0	75.2	19.9	4.5	100.3	26.5	6.0	125.4	33.1	7.5
44	1.73	0.319	0.084	16.0	2320	28.7	7.6	1.7	63.8	16.9	3.8	95.7	25.3	5.7	127.7	33.7	7.7	159.6	42.2	9.6
50	1.97	0.412	0.109	12.5	1813	37.1	9.8	2.2	82.4	21.8	4.9	123.6	32.7	7.4	164.9	43.5	9.9	206.1	54.4	12.4
55	2.17	0.499	0.132	10.0	1450	44.9	11.9	2.7	99.7	26.3	6.0	149.6	39.5	9.0	199.5	52.7	12.0	249.3	65.9	15.0
62	2.44	0.634	0.167	8.0	1160	57.0	15.1	3.4	126.7	33.5	7.6	190.1	50.2	11.4	253.5	67.0	15.2	316.8	83.7	19.0
70	2.76	0.808	0.213	6.3	914	72.7	19.2	4.4	161.6	42.7	9.7	242.3	64.0	14.5	323.1	85.4	19.4	403.9	106.7	24.2
Brake Horsepower Required						11.3			25.1			37.6			50.1 (Continuous work)			62.7		

*Flows are based on 100% volumetric efficiency. Brake Horsepower /Kilowatts Required is based on 90% Mechanical Efficiency.Consult YaLong for continuous service speeds in excess of 400 RPM.

Not all plunger sizes are shown, Additional plunger sizes are available.Please contact YaLong for more details. Standard configuration is a single extended crank, double extending crankshaft please contact YALONG.

Discharge and Suction Connection mode and size please contact YALONG.

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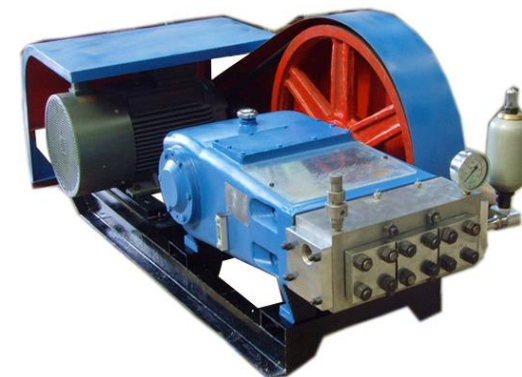
NANJING YALONG PETROCHEMICAL EQUIPMENT TECHNOLOGY Co.,LTD. (HIGH PRESSURE RECIPROCATING PUMP MANUFACTURER)

www.jspump.cn; e-mail: longpump@gmail.com / sales@jspump.cn; Tel:086-25-86166871 Fax:086-25-86166830 Mobil:+86-13951858681

The YALONG Model T55 is a single acting triplex plunger / piston pump rated at 55 HP in continuous duty services and up to 66 HP in intermittent duty. This versatile pump is offered with a variety of material and design options that make it ideal for general industrial, reverse osmosis, and typical applications involved in the production of oil and natural gas.

Specifications

	English Units	Metric Units		Continuous	Intermittent
Stroke Length		75 mm	Rated bhp	55 HP	66 HP
Rated Rod Load	5842 lb	2650 Kg	Maximum Speed	380 rpm	450 rpm
Pump Weight	1235 lb	560 Kg	Minimum Speed	90 rpm	75 rpm
Oil Capacity	3.70 gal	14 L	Max. plunger size x stroke length.	89x75 mm	
Max. Fluid Temp	752 °F	400 °C	Crankshaft extension Dia.x length	70x140 mm	
Mechanical Efficiency		90%	Keyway (width x depth x length)	20x7.5x140 mm	



Performance Ratings (Volumes indicated are displacement of incompressible fluid)

plunger Dia.		L/RPM	Gal/RPM	Max.Press.		pump speed=90RPM			pump speed=150RPM			pump speed=250RPM			pump speed=300RPM			pump speed=380RPM			pump speed=450RPM		
mm	in			Mpa	Psi	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h
29	1.14	0.149	0.039	40.0	5800	13.4	3.5	0.8	22.3	5.9	1.3	37.1	9.8	2.2	44.6	11.8	2.7	56.4	14.9	3.4	66.8	17.7	4.0
32	1.26	0.181	0.048	32.0	4640	16.3	4.3	1.0	27.1	7.2	1.6	45.2	11.9	2.7	54.3	14.3	3.3	68.7	18.2	4.1	81.4	21.5	4.9
36	1.42	0.229	0.060	25.0	3625	20.6	5.4	1.2	34.3	9.1	2.1	57.2	15.1	3.4	68.7	18.1	4.1	87.0	23.0	5.2	103.0	27.2	6.2
41	1.61	0.297	0.078	20.0	2900	26.7	7.1	1.6	44.5	11.8	2.7	74.2	19.6	4.5	89.1	23.5	5.3	112.8	29.8	6.8	133.6	35.3	8.0
45	1.77	0.358	0.094	16.0	2320	32.2	8.5	1.9	53.6	14.2	3.2	89.4	23.6	5.4	107.3	28.3	6.4	135.9	35.9	8.2	160.9	42.5	9.7
51	2.01	0.459	0.121	12.5	1813	41.3	10.9	2.5	68.9	18.2	4.1	114.9	30.3	6.9	137.8	36.4	8.3	174.6	46.1	10.5	206.7	54.6	12.4
58	2.28	0.594	0.157	10.0	1450	53.5	14.1	3.2	89.1	23.5	5.3	148.5	39.2	8.9	178.2	47.1	10.7	225.8	59.6	13.5	267.4	70.6	16.0
64	2.52	0.723	0.191	8.0	1160	65.1	17.2	3.9	108.5	28.7	6.5	180.9	47.8	10.9	217.0	57.3	13.0	274.9	72.6	16.5	325.6	86.0	19.5
73	2.87	0.941	0.249	6.3	914	84.7	22.4	5.1	141.2	37.3	8.5	235.3	62.2	14.1	282.4	74.6	16.9	357.7	94.5	21.5	423.6	111.9	25.4
82	3.23	1.188	0.314	5.0	725	106.9	28.2	6.4	178.1	47.1	10.7	296.9	78.4	17.8	356.3	94.1	21.4	451.3	119.2	27.1	534.4	141.2	32.1
91	3.58	1.463	0.386	4.0	580	131.6	34.8	7.9	219.4	58.0	13.2	365.7	96.6	21.9	438.8	115.9	26.3	555.8	146.8	33.3	658.2	173.9	39.5
Brake Horsepower Required				HP		13.3			22.1			36.9			44.3			56.1 (Continuous work)			66.4		

*Flows are based on 100% volumetric efficiency. Brake Horsepower /Kilowatts Required is based on 90% Mechanical Efficiency.Consult YaLong for continuous service speeds in excess of 380 RPM. Not all plunger sizes are shown, Additional plunger sizes are available.Please contact YaLong for more details. Standard configuration is a single extended crank, double extending crankshaft please contact YALONG. Discharge and Suction Connection mode and size please contact YALONG.

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The YALONG Model T75 is a single acting triplex plunger pump rated at 75 HP in continuous duty services and up to 97 HP in intermittent duty. This versatile pump is offered with a variety of material and design options that make it ideal for general industrial, reverse osmosis, and typical applications involved in the production of oil and natural gas.

Specifications

	English Units	Metric Units		Built-in gear ratio: 3.1578:1	Continuous	Intermittent
Stroke Length		75 mm		Rated bhp	75HP	97 HP
Rated Rod Load	8267 lb	3750 Kg		Maximum Speed	372 rpm	470 rpm
Pump Weight	945 lb	430 Kg		Minimum Speed	90 rpm	75 rpm
Oil Capacity	4.33 gal	16.5 L		Max. plunger size x stroke length.	72x75 mm	
Max. Fluid Temp	752 °F	400 °C		Crankshaft extension Dia.x length	75x90 mm	
Mechanical Efficiency		90%		Keyway (width x depth x length)	20x7.5x85 mm	



Performance Ratings (Volumes indicated are displacement of incompressible fluid)

plunger Dia.		L/RPM	Gal/RPM	Max.Press.		pump speed=90RPM			pump speed=150RPM			pump speed=250RPM			pump speed=310RPM			pump speed=372RPM			pump speed=470RPM		
mm	in			Mpa	Psi	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h
15	0.59	0.040	0.010	200.0	29000	3.6	0.9	0.2	6.0	1.6	0.4	9.9	2.6	0.6	12.3	3.3	0.7	14.8	3.9	0.9	18.7	4.9	1.1
17	0.67	0.051	0.013	150.0	21750	4.6	1.2	0.3	7.7	2.0	0.5	12.8	3.4	0.8	15.8	4.2	0.9	19.0	5.0	1.1	24.0	6.3	1.4
21	0.83	0.078	0.021	100.0	14500	7.0	1.9	0.4	11.7	3.1	0.7	19.5	5.1	1.2	24.1	6.4	1.4	29.0	7.7	1.7	36.6	9.7	2.2
24	0.94	0.102	0.027	80.0	11600	9.2	2.4	0.5	15.3	4.0	0.9	25.4	6.7	1.5	31.5	8.3	1.9	37.8	10.0	2.3	47.8	12.6	2.9
27	1.06	0.129	0.034	63.0	9135	11.6	3.1	0.7	19.3	5.1	1.2	32.2	8.5	1.9	39.9	10.5	2.4	47.9	12.7	2.9	60.5	16.0	3.6
30	1.18	0.159	0.042	50.0	7250	14.3	3.8	0.9	23.8	6.3	1.4	39.7	10.5	2.4	49.3	13.0	3.0	59.1	15.6	3.5	74.7	19.7	4.5
34	1.34	0.204	0.054	40.0	5800	18.4	4.9	1.1	30.6	8.1	1.8	51.0	13.5	3.1	63.3	16.7	3.8	76.0	20.1	4.6	96.0	25.4	5.8
38	1.50	0.255	0.067	32.0	4640	23.0	6.1	1.4	38.3	10.1	2.3	63.8	16.8	3.8	79.1	20.9	4.7	94.9	25.1	5.7	119.9	31.7	7.2
43	1.69	0.327	0.086	25.0	3625	29.4	7.8	1.8	49.0	12.9	2.9	81.6	21.6	4.9	101.2	26.7	6.1	121.5	32.1	7.3	153.5	40.5	9.2
48	1.89	0.407	0.108	20.0	2900	36.6	9.7	2.2	61.0	16.1	3.7	101.7	26.9	6.1	126.2	33.3	7.6	151.4	40.0	9.1	191.3	50.5	11.5
54	2.13	0.515	0.136	16.0	2320	46.4	12.2	2.8	77.3	20.4	4.6	128.8	34.0	7.7	159.7	42.2	9.6	191.6	50.6	11.5	242.1	63.9	14.5
61	2.40	0.657	0.174	12.5	1813	59.1	15.6	3.5	98.6	26.0	5.9	164.3	43.4	9.9	203.7	53.8	12.2	244.5	64.6	14.7	308.9	81.6	18.5
69	2.72	0.841	0.222	10.0	1450	75.7	20.0	4.5	126.1	33.3	7.6	210.2	55.5	12.6	260.7	68.9	15.6	312.8	82.6	18.8	395.2	104.4	23.7
72	2.83	0.916	0.242	8.0	1160	82.4	21.8	4.9	137.3	36.3	8.2	228.9	60.5	13.7	283.8	75.0	17.0	340.6	90.0	20.4	430.3	113.7	25.8
Brake Horsepower Required HP						18.7			31.1			51.9			64.3			77.2 (Continuous work)			97.5		

*Flows are based on 100% volumetric efficiency. Brake Horsepower /Kilowatts Required is based on 90% Mechanical Efficiency. Consult YaLong for continuous service speeds in excess of 375RPM.

Not all plunger sizes are shown, Additional plunger sizes are available. Please contact YaLong for more details. Standard configuration is a single extended crank, double extending crankshaft please contact YALONG.

Discharge and Suction Connection mode and size please contact YALONG.

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The YALONG Model T85 is a single acting triplex plunger pump rated at 85 HP in continuous duty services and up to 104 HP in intermittent duty. This versatile pump is offered with a variety of material and design options that make it ideal for general industrial, reverse osmosis, and typical applications involved in the production of oil and natural gas.

Specifications

	English Units	Metric Units		Continuous	Intermittent
Stroke Length		80 mm	Rated bhp	85HP	104 HP
Rated Rod Load	8267 lb	3750 Kg	Maximum Speed	390 rpm	470 rpm
Pump Weight	945 lb	430 Kg	Minimum Speed	90 rpm	75 rpm
Oil Capacity	4.33 gal	16.5 L	Max. plunger size x stroke length.	72x75 mm	
Max. Fluid Temp	752 °F	400 °C	Crankshaft extension Dia.x length	75x90 mm	
Mechanical Efficiency		90%	Keyway (width x depth x length)	20x7.5x85 mm	



Performance Ratings (Volumes indicated are displacement of incompressible fluid)

plunger Dia.		L/RPM	Gal/RPM	Max.Press.		pump speed=90RPM			pump speed=150RPM			pump speed=250RPM			pump speed=300RPM			pump speed=390RPM			pump speed=470RPM		
mm	in			Mpa	Psi	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h
21	0.83	0.083	0.022	100.0	14500	7.5	2.0	0.4	12.5	3.3	0.7	20.8	5.5	1.2	24.9	6.6	1.5	32.4	8.6	1.9	39.0	10.3	2.3
24	0.94	0.109	0.029	80.0	11600	9.8	2.6	0.6	16.3	4.3	1.0	27.1	7.2	1.6	32.6	8.6	2.0	42.3	11.2	2.5	51.0	13.5	3.1
27	1.06	0.137	0.036	63.0	9135	12.4	3.3	0.7	20.6	5.4	1.2	34.3	9.1	2.1	41.2	10.9	2.5	53.6	14.2	3.2	64.6	17.1	3.9
30	1.18	0.170	0.045	50.0	7250	15.3	4.0	0.9	25.4	6.7	1.5	42.4	11.2	2.5	50.9	13.4	3.1	66.1	17.5	4.0	79.7	21.1	4.8
34	1.34	0.218	0.058	40.0	5800	19.6	5.2	1.2	32.7	8.6	2.0	54.4	14.4	3.3	65.3	17.3	3.9	84.9	22.4	5.1	102.4	27.0	6.1
38	1.50	0.272	0.072	32.0	4640	24.5	6.5	1.5	40.8	10.8	2.4	68.0	18.0	4.1	81.6	21.6	4.9	106.1	28.0	6.4	127.9	33.8	7.7
43	1.69	0.348	0.092	25.0	3625	31.4	8.3	1.9	52.3	13.8	3.1	87.1	23.0	5.2	104.5	27.6	6.3	135.9	35.9	8.2	163.7	43.3	9.8
48	1.89	0.434	0.115	20.0	2900	39.1	10.3	2.3	65.1	17.2	3.9	108.5	28.7	6.5	130.2	34.4	7.8	169.3	44.7	10.2	204.0	53.9	12.2
54	2.13	0.549	0.145	16.0	2320	49.4	13.1	3.0	82.4	21.8	4.9	137.3	36.3	8.2	164.8	43.5	9.9	214.3	56.6	12.9	258.2	68.2	15.5
61	2.40	0.701	0.185	12.5	1813	63.1	16.7	3.8	105.2	27.8	6.3	175.3	46.3	10.5	210.3	55.6	12.6	273.4	72.2	16.4	329.5	87.0	19.8
69	2.72	0.897	0.237	10.0	1450	80.7	21.3	4.8	134.5	35.5	8.1	224.2	59.2	13.5	269.1	71.1	16.1	349.8	92.4	21.0	421.6	111.4	25.3
72	2.83	0.977	0.258	8.0	1160	87.9	23.2	5.3	146.5	38.7	8.8	244.2	64.5	14.6	293.0	77.4	17.6	380.9	100.6	22.9			
Brake Horsepower Required				HP		20			33.4			55.7			66.8			86.8 (Continuous work)			104.7		

*Flows are based on 100% volumetric efficiency. Brake Horsepower /Kilowatts Required is based on 90% Mechanical Efficiency. Consult YaLong for continuous service speeds in excess of 390RPM.

Not all plunger sizes are shown, Additional plunger sizes are available. Please contact YaLong for more details. Standard configuration is a single extended crank, double extending crankshaft please contact YALONG.

Discharge and Suction Connection mode and size please contact YALONG.

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NANJING YALONG PETROCHEMICAL EQUIPMENT TECHNOLOGY Co.,LTD. (HIGH PRESSURE RECIPROCATING PUMP MANUFACTURER)

www.jspump.cn; e-mail: longpump@gmail.com / sales@jspump.cn; Tel:086-25-86166871 Fax:086-25-86166830 Mobil:+86-13951858681

The YALONG Model T90 is a single acting triplex plunger pump rated at 90HP in continuous duty services and up to 115 HP in intermittent duty. This versatile pump is offered with a variety of material and design options that make it ideal for general industrial, reverse osmosis, and typical applications involved in the production of oil and natural gas.

Specifications

	English Units	Metric Units		Continuous	Intermittent
Stroke Length		89 mm	Rated bhp	90HP	115HP
Rated Rod Load	8157 lb	3700 Kg	Maximum Speed	370 rpm	450 rpm
Pump Weight	1435 lb	652 Kg	Minimum Speed	90 rpm	75 rpm
Oil Capacity	3.16 gal	12 L	Max. plunger size x stroke length.	101x80mm	
Max. Fluid Temp	752 °F	400 °C	Crankshaft extension Dia.x length	75x120 mm	
Mechanical Efficiency		90%	Keyway (width x depth x length)	20x7.5x95 mm	



Performance Ratings (Volumes indicated are displacement of incompressible fluid)

plunger Dia.		L/RPM	Gal/RPM	Max.Press.		pump speed=90RPM			pump speed=150RPM			pump speed=250RPM			pump speed=300RPM			pump speed=370RPM			pump speed=450RPM		
mm	in			Mpa	Psi	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h
30	1.18	0.189	0.050	50.0	7250	17.0	4.5	1.0	28.3	7.5	1.7	47.2	12.5	2.8	56.6	14.9	3.4	69.8	18.4	4.2	88.7	23.4	5.3
34	1.34	0.242	0.064	40.0	5800	21.8	5.8	1.3	36.3	9.6	2.2	60.6	16.0	3.6	72.7	19.2	4.4	89.6	23.7	5.4	113.9	30.1	6.8
38	1.50	0.303	0.080	32.0	4640	27.2	7.2	1.6	45.4	12.0	2.7	75.7	20.0	4.5	90.8	24.0	5.4	112.0	29.6	6.7	142.2	37.6	8.5
43	1.69	0.388	0.102	25.0	3625	34.9	9.2	2.1	58.1	15.4	3.5	96.9	25.6	5.8	116.3	30.7	7.0	143.4	37.9	8.6	182.1	48.1	10.9
48	1.89	0.483	0.128	20.0	2900	43.5	11.5	2.6	72.4	19.1	4.3	120.7	31.9	7.2	144.9	38.3	8.7	178.7	47.2	10.7	227.0	60.0	13.6
54	2.13	0.611	0.161	16.0	2320	55.0	14.5	3.3	91.7	24.2	5.5	152.8	40.4	9.2	183.4	48.4	11.0	226.1	59.7	13.6	287.3	75.9	17.2
61	2.40	0.780	0.206	12.5	1813	70.2	18.5	4.2	117.0	30.9	7.0	195.0	51.5	11.7	234.0	61.8	14.0	288.6	76.2	17.3	366.6	96.8	22.0
68	2.68	0.969	0.256	10.0	1450	87.2	23.0	5.2	145.4	38.4	8.7	242.3	64.0	14.5	290.8	76.8	17.4	358.6	94.7	21.5	455.5	120.3	27.3
76.2	3.00	1.217	0.321	8.0	1160	109.5	28.9	6.6	182.6	48.2	11.0	304.3	80.4	18.3	365.1	96.4	21.9	450.3	119.0	27.0	572.0	151.1	34.3
86	3.39	1.550	0.410	6.3	914	139.5	36.9	8.4	232.5	61.4	14.0	387.5	102.4	23.3	465.0	122.9	27.9	573.6	151.5	34.4	728.6	192.5	43.7
97	3.82	1.972	0.521	5.0	725	177.5	46.9	10.6	295.8	78.1	17.7	493.0	130.2	29.6	591.6	156.3	35.5	729.7	192.8	43.8	926.9	244.9	55.6
101	3.98	2.138	0.565	4.0	580	192.4	50.8	11.5	320.7	84.7	19.2	534.5	141.2	32.1	641.4	169.4	38.5	791.1	209.0	47.5			
Brake Horsepower Required				HP		22			36.7			61.2			73.4			90.6 (Continuous work)			115		

*Flows are based on 100% volumetric efficiency. Brake Horsepower /Kilowatts Required is based on 90% Mechanical Efficiency.Consult YaLong for continuous service speeds in excess of 370 RPM.

Not all plunger sizes are shown, Additional plunger sizes are available.Please contact YaLong for more details. Standard configuration is a single extended crank, double extending crankshaft please contact YALONG. Discharge and Suction Connection mode and size please contact YALONG.

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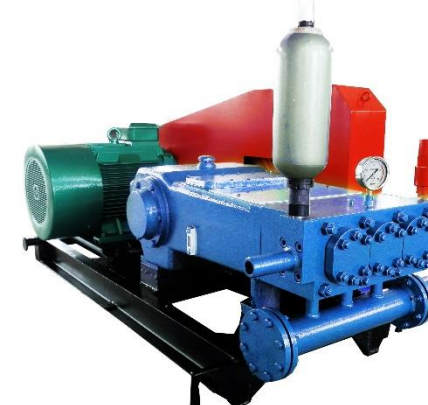
NANJING YALONG PETROCHEMICAL EQUIPMENT TECHNOLOGY Co.,LTD. (HIGH PRESSURE RECIPROCATING PUMP MANUFACTURER)

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The YALONG Model T95 is a single acting triplex plunger/ piston pump rated at 95 HP in continuous duty services and up to 116HP in intermittent duty. This versatile pump is offered with a variety of material and design options that make it ideal for general industrial, reverse osmosis, and typical applications involved in the production of oil and natural gas.

Specifications

	English Units	Metric Units		Continuous	Intermittent
Stroke Length		100 mm	Rated bhp	95HP	116HP
Rated Rod Load	8267 lb	3750 Kg	Maximum Speed	350 rpm	420 rpm
Pump Weight	2425 lb	1100 Kg	Minimum Speed	90 rpm	75 rpm
Oil Capacity	6.87 gal	26 L	Max. plunger size x stroke length.	101x100mm	
Max. Fluid Temp	752 °F	400°C	Crankshaft extension Dia.x length	88x170 mm	
Mechanical Efficiency		90%	Keyway (width x depth x length)	25x9x165 mm	



Performance Ratings (Volumes indicated are displacement of incompressible fluid)

plunger Dia.		L/RPM	Gal/RPM	Max.Press.		pump speed=90RPM			pump speed=150RPM			pump speed=250RPM			pump speed=300RPM			pump speed=350RPM			pump speed=420RPM		
mm	in			Mpa	Psi	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h
30	1.18	0.212	0.056	50.0	7250	19.1	5.0	1.1	31.8	8.4	1.9	53.0	14.0	3.2	63.6	16.8	3.8	74.2	19.6	4.5	89.0	23.5	5.3
34	1.34	0.272	0.072	40.0	5800	24.5	6.5	1.5	40.8	10.8	2.5	68.1	18.0	4.1	81.7	21.6	4.9	95.3	25.2	5.7	114.3	30.2	6.9
38	1.50	0.340	0.090	32.0	4640	30.6	8.1	1.8	51.0	13.5	3.1	85.0	22.5	5.1	102.0	27.0	6.1	119.0	31.4	7.1	142.8	37.7	8.6
43	1.69	0.435	0.115	25.0	3625	39.2	10.4	2.4	65.3	17.3	3.9	108.9	28.8	6.5	130.6	34.5	7.8	152.4	40.3	9.1	182.9	48.3	11.0
48	1.89	0.543	0.143	20.0	2900	48.8	12.9	2.9	81.4	21.5	4.9	135.6	35.8	8.1	162.8	43.0	9.8	189.9	50.2	11.4	227.9	60.2	13.7
54	2.13	0.687	0.181	16.0	2320	61.8	16.3	3.7	103.0	27.2	6.2	171.7	45.4	10.3	206.0	54.4	12.4	240.4	63.5	14.4	288.4	76.2	17.3
61	2.40	0.876	0.231	12.5	1813	78.9	20.8	4.7	131.4	34.7	7.9	219.1	57.9	13.1	262.9	69.4	15.8	306.7	81.0	18.4	368.0	97.2	22.1
69	2.72	1.121	0.296	10.0	1450	100.9	26.7	6.1	168.2	44.4	10.1	280.3	74.0	16.8	336.4	88.9	20.2	392.4	103.7	23.5	470.9	124.4	28.3
77	3.03	1.396	0.369	8.0	1160	125.7	33.2	7.5	209.4	55.3	12.6	349.1	92.2	20.9	418.9	110.7	25.1	488.7	129.1	29.3	586.4	154.9	35.2
87	3.43	1.782	0.471	6.3	914	160.4	42.4	9.6	267.4	70.6	16.0	445.6	117.7	26.7	534.7	141.3	32.1	623.9	164.8	37.4	748.6	197.8	44.9
109	4.29	2.798	0.739	4.0	580	251.8	66.5	15.1	419.7	110.9	25.2	699.5	184.8	42.0	839.4	221.7	50.4	979.3	258.7	58.8			
Brake Horsepower Required (HP)				25			41.7			69.5			83.4			97.2 (Continuous work)			116.7				

*Flows are based on 100% volumetric efficiency. Brake Horsepower /Kilowatts Required is based on 90% Mechanical Efficiency.Consult YaLong for continuous service speeds in excess of 350 RPM.
Not all plunger sizes are shown, Additional plunger sizes are available.Please contact YaLong for more details. Standard configuration is a single extended crank, double extending crankshaft please contact YALONG.
Discharge and Suction Connection mode and size please contact YALONG.

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The YALONG Model T138 is a single acting triplex plunger pump rated at 138 HP in continuous duty services and up to 170 HP in intermittent duty. This versatile pump is offered with a variety of material and design options that make it ideal for general industrial, reverse osmosis, and typical applications involved in the production of oil and natural gas.

Specifications

	English Units	Metric Units		Continuous	Intermittent
Stroke Length		80 mm	Rated bhp	138HP	170 HP
Rated Rod Load	12786 lb	5800 Kg	Maximum Speed	400 rpm	495 rpm
Pump Weight	1984 lb	900 Kg	Minimum Speed	90 rpm	75 rpm
Oil Capacity	10 gal	38 L	Max. plunger size x stroke length.	101x80mm	
Max. Fluid Temp	752 °F	400 °C	Crankshaft extension Dia.x length	86x153 mm	
Mechanical Efficiency		90%	Keyway (width x depth x length)	25x9x145 mm	



Performance Ratings (Volumes indicated are displacement of incompressible fluid)

Plunger Dia.		L/RPM	Gal/RPM	rated pressure		rpm=90			rpm=150			rpm=300			rpm=400			rpm=450			rpm=495		
mm	in			Mpa	Psi	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h
27	1.06	0.137	0.036	100.0	14500	12.4	3.3	0.7	20.6	5.4	1.2	41.2	10.9	2.5	54.9	14.5	3.3	61.8	16.3	3.7	68.0	18.0	4.1
30	1.18	0.170	0.045	80.0	11600	15.3	4.0	0.9	25.4	6.7	1.5	50.9	13.4	3.1	67.8	17.9	4.1	76.3	20.2	4.6	83.9	22.2	5.0
34	1.34	0.218	0.058	63.0	9135	19.6	5.2	1.2	32.7	8.6	2.0	65.3	17.3	3.9	87.1	23.0	5.2	98.0	25.9	5.9	107.8	28.5	6.5
38	1.50	0.272	0.072	50.0	7250	24.5	6.5	1.5	40.8	10.8	2.4	81.6	21.6	4.9	108.8	28.7	6.5	122.4	32.3	7.3	134.7	35.6	8.1
42	1.65	0.332	0.088	40.0	5800	29.9	7.9	1.8	49.9	13.2	3.0	99.7	26.3	6.0	132.9	35.1	8.0	149.6	39.5	9.0	164.5	43.5	9.9
48	1.89	0.434	0.115	32.0	4640	39.1	10.3	2.3	65.1	17.2	3.9	130.2	34.4	7.8	173.6	45.9	10.4	195.3	51.6	11.7	214.9	56.8	12.9
54	2.13	0.549	0.145	25.0	3625	49.4	13.1	3.0	82.4	21.8	4.9	164.8	43.5	9.9	219.7	58.1	13.2	247.2	65.3	14.8	271.9	71.8	16.3
60	2.36	0.678	0.179	20.0	2900	61.0	16.1	3.7	101.7	26.9	6.1	203.5	53.8	12.2	271.3	71.7	16.3	305.2	80.6	18.3	335.7	88.7	20.1
67	2.64	0.846	0.223	16.0	2320	76.1	20.1	4.6	126.9	33.5	7.6	253.7	67.0	15.2	338.3	89.4	20.3	380.6	100.5	22.8	418.6	110.6	25.1
76	2.99	1.088	0.287	12.5	1813	97.9	25.9	5.9	163.2	43.1	9.8	326.5	86.2	19.6	435.3	115.0	26.1	489.7	129.4	29.4	538.7	142.3	32.3
85	3.35	1.361	0.360	10.0	1450	122.5	32.4	7.4	204.2	53.9	12.3	408.4	107.9	24.5	544.5	143.8	32.7	612.5	161.8	36.8	673.8	178.0	40.4
96	3.78	1.736	0.459	8.0	1160	156.3	41.3	9.4	260.4	68.8	15.6	520.9	137.6	31.3	694.5	183.5	41.7	781.3	206.4	46.9	859.5	227.0	51.6
101	3.98	1.922	0.508	6.3	914	173.0	45.7	10.4	288.3	76.2	17.3	576.6	152.3	34.6	768.7	203.1	46.1	864.8	228.5	51.9	951.3	251.3	57.1
Brake Horsepower Required (HP)						31.1			51.8			103.7			137.9 (Continuous work)			155.2			170.7		

*Flows are based on 100% volumetric efficiency. Brake Horsepower /Kilowatts Required is based on 90% Mechanical Efficiency.Consult YaLong for continuous service speeds in excess of 400 RPM.

Not all plunger sizes are shown, Additional plunger sizes are available.Please contact YaLong for more details. Standard configuration is a single extended crank, double extending crankshaft please contact YALONG.

Discharge and Suction Connection mode and size please contact YALONG.

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The YALONG Model T150 is a single acting triplex plunger pump rated at 153 HP in continuous duty services and up to 202 HP in intermittent duty. This versatile pump is offered with a variety of material and design options that make it ideal for general industrial, reverse osmosis, and typical applications involved in the production of oil and natural gas.

Specifications

	English Units	Metric Units		Continuous	Intermittent
Stroke Length	3.75 in	95 mm	Rated bhp	153HP	202 HP
Rated Rod Load	12786 lb	5800 Kg	Maximum Speed	375 rpm	495 rpm
Pump Weight	1984 lb	900 Kg	Minimum Speed	90 rpm	75 rpm
Oil Capacity	10 gal	38 L	Max. plunger size x stroke length.	101x80mm	
Max. Fluid Temp	752 °F	400 °C	Crankshaft extension Dia.x length	86x153 mm	
Mechanical Efficiency		90%	Keyway (width x depth x length)	25x9x145 mm	



Performance Ratings (Volumes indicated are displacement of incompressible fluid)

Plunger Dia.		L/RPM	Gal/RPM	rated pressure		rpm=90			rpm=150			rpm=300			rpm=375			rpm=450			rpm=495		
mm	in			Mpa	Psi	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h
27	1.06	0.163	0.043	100.0	14500	14.7	3.9	0.9	24.5	6.5	1.5	48.9	12.9	2.9	60.3	16.2	3.6	73.4	19.4	4.4	80.7	21.3	4.8
30	1.18	0.201	0.053	80.0	11600	18.1	4.8	1.1	30.2	8.0	1.8	60.4	16.0	3.6	74.5	19.9	4.5	90.6	23.9	5.4	99.7	26.3	6.0
34	1.34	0.259	0.068	63.0	9135	23.3	6.1	1.4	38.8	10.2	2.3	77.6	20.5	4.7	95.7	25.6	5.7	116.4	30.7	7.0	128.0	33.8	7.7
38	1.50	0.323	0.085	50.0	7250	29.1	7.7	1.7	48.5	12.8	2.9	96.9	25.6	5.8	119.5	32.0	7.2	145.4	38.4	8.7	159.9	42.2	9.6
42	1.65	0.395	0.104	40.0	5800	35.5	9.4	2.1	59.2	15.6	3.6	118.4	31.3	7.1	146.0	39.1	8.8	177.6	46.9	10.7	195.4	51.6	11.7
48	1.89	0.515	0.136	32.0	4640	46.4	12.3	2.8	77.3	20.4	4.6	154.6	40.9	9.3	190.7	51.1	11.4	232.0	61.3	13.9	255.2	67.4	15.3
54	2.13	0.652	0.172	25.0	3625	58.7	15.5	3.5	97.9	25.9	5.9	195.7	51.7	11.7	241.4	64.6	14.5	293.6	77.6	17.6	322.9	85.3	19.4
60	2.36	0.805	0.213	20.0	2900	72.5	19.1	4.3	120.8	31.9	7.2	241.6	63.8	14.5	298.0	79.8	17.9	362.4	95.7	21.7	398.7	105.3	23.9
67	2.64	1.004	0.265	16.0	2320	90.4	23.9	5.4	150.6	39.8	9.0	301.3	79.6	18.1	371.6	99.5	22.3	451.9	119.4	27.1	497.1	131.3	29.8
76	2.99	1.292	0.341	12.5	1813	116.3	30.7	7.0	193.8	51.2	11.6	387.7	102.4	23.3	478.1	128.0	28.7	581.5	153.6	34.9	639.7	169.0	38.4
85	3.35	1.616	0.427	10.0	1450	145.5	38.4	8.7	242.5	64.1	14.5	484.9	128.1	29.1	598.1	160.1	35.9	727.4	192.2	43.6	800.1	211.4	48.0
96	3.78	2.062	0.545	8.0	1160	185.6	49.0	11.1	309.3	81.7	18.6	618.6	163.4	37.1	762.9	204.3	45.8	927.8	245.1	55.7			
101	3.98	2.282	0.603	6.3	914	205.4	54.3	12.3	342.3	90.4	20.5	684.7	180.9	41.1	844.4	226.1	50.7						
Brake Horsepower Required (HP)				36.9			61.4			122.8			153.6 (Continuous work)			184.3			202.7				

*Flows are based on 100% volumetric efficiency. Brake Horsepower /Kilowatts Required is based on 90% Mechanical Efficiency.Consult YaLong for continuous service speeds in excess of 380 RPM.

Not all plunger sizes are shown, Additional plunger sizes are available.Please contact YaLong for more details. Standard configuration is a single extended crank, double extending crankshaft please contact YALONG.

Discharge and Suction Connection mode and size please contact YALONG.

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www.jspump.cn; e-mail: longpump@gmail.com / sales@jspump.cn; Tel:086-25-86166871 Fax:086-25-86166830 Mobil:+86-13951858681

The YALONG Model T165 is a single acting triplex plunger pump rated at 145 HP in continuous duty services and up to 165 HP in intermittent duty. This versatile pump is offered with a variety of material and design options that make it ideal for general industrial, reverse osmosis, and typical applications involved in the production of oil and natural gas.

Specifications

	English Units	Metric Units		Continuous	Intermittent
Stroke Length	5"	127 mm	Rated bhp	145HP	165 HP
Rated Rod Load	9800 lb	4446 Kg	Maximum Speed	350 rpm	400 rpm
Pump Weight	4000 lb	1814 Kg	Minimum Speed	90 rpm	75 rpm
Oil Capacity	8 gal	30 L	Max. plunger size x stroke length.	102x127mm	
Max. Fluid Temp	284 °F	140 °C	Crankshaft extension Dia.x length	104.8x206.4 mm	
Mechanical Efficiency		90%	Keyway (width x depth x length)	25.4x12.7x200 mm	

Performance Ratings (Volumes indicated are displacement of incompressible fluid)

plunger Dia.		L/RPM	Gal/RPM	Max.Press.		pump speed=100RPM			pump speed=200RPM			pump speed=250RPM			pump speed=300RPM			pump speed=350RPM			pump speed=400RPM		
mm	in			Mpa	Psi	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h
38	1.50	0.432	0.1141	39.2	5686	43.2	11.4	2.6	86.4	22.8	5.2	108.0	28.5	6.5	129.6	34.2	7.8	151.2	39.9	9.1	172.8	45.6	10.4
41	1.61	0.503	0.1328	33.7	4885	50.3	13.3	3.0	100.6	26.6	6.0	125.7	33.2	7.5	150.8	39.8	9.0	176.0	46.5	10.6	201.1	53.1	12.1
44	1.73	0.579	0.1530	29.2	4241	57.9	15.3	3.5	115.8	30.6	6.9	144.8	38.2	8.7	173.7	45.9	10.4	202.7	53.5	12.2	231.6	61.2	13.9
48	1.89	0.689	0.1820	24.6	3564	68.9	18.2	4.1	137.8	36.4	8.3	172.3	45.5	10.3	206.7	54.6	12.4	241.2	63.7	14.5	275.6	72.8	16.5
51	2.01	0.778	0.2055	21.8	3157	77.8	20.6	4.7	155.6	41.1	9.3	194.5	51.4	11.7	233.4	61.7	14.0	272.3	71.9	16.3	311.2	82.2	18.7
54	2.13	0.872	0.2304	19.4	2816	87.2	23.0	5.2	174.4	46.1	10.5	218.0	57.6	13.1	261.6	69.1	15.7	305.2	80.6	18.3	348.9	92.2	20.9
57	2.24	0.972	0.2567	17.4	2527	97.2	25.7	5.8	194.3	51.3	11.7	242.9	64.2	14.6	291.5	77.0	17.5	340.1	89.8	20.4	388.7	102.7	23.3
61	2.40	1.113	0.2940	15.2	2207	111.3	29.4	6.7	222.6	58.8	13.4	278.2	73.5	16.7	333.9	88.2	20.0	389.5	102.9	23.4	445.2	117.6	26.7
64	2.52	1.225	0.3236	13.8	2005	122.5	32.4	7.4	245.0	64.7	14.7	306.3	80.9	18.4	367.5	97.1	22.1	428.8	113.3	25.7	490.0	129.4	29.4
70	2.76	1.466	0.3871	11.6	1676	146.6	38.7	8.8	293.1	77.4	17.6	366.4	96.8	22.0	439.7	116.1	26.4	512.9	135.5	30.8	586.2	154.9	35.2
76	2.99	1.728	0.4564	9.8	1422	172.8	45.6	10.4	345.5	91.3	20.7	431.9	114.1	25.9	518.3	136.9	31.1	604.6	159.7	36.3	691.0	182.5	41.5
83	3.27	2.060	0.5443	8.2	1192	206.0	54.4	12.4	412.1	108.9	24.7	515.1	136.1	30.9	618.1	163.3	37.1	721.1	190.5	43.3	824.2	217.7	49.4
89	3.50	2.369	0.6258	7.1	1037	236.9	62.6	14.2	473.8	125.2	28.4	592.3	156.5	35.5	710.7	187.7	42.6	829.2	219.0	49.8	947.6	250.3	56.9
95	3.74	2.699	0.7131	6.3	910	269.9	71.3	16.2	539.8	142.6	32.4	674.8	178.3	40.5	809.8	213.9	48.6	944.7	249.6	56.7	1079.7	285.2	64.8
102	4.02	3.112	0.8220	5.4	789	311.2	82.2	18.7	622.3	164.4	37.3	777.9	205.5	46.7	933.5	246.6	56.0	1089.1	287.7	65.3			
Brake Horsepower Required (HP)						42.0			84.1			105.1			126.1			147.2 (Continuous work)			168.2		

*Flows are based on 100% volumetric efficiency. Brake Horsepower /Kilowatts Required is based on 90% Mechanical Efficiency.Consult YaLong for continuous service speeds in excess of 350 RPM.

Not all plunger sizes are shown, Additional plunger sizes are available.Please contact YaLong for more details. Standard configuration is a single extended crank, double extending crankshaft please contact YALONG.

Discharge and Suction Connection mode and size please contact YALONG.

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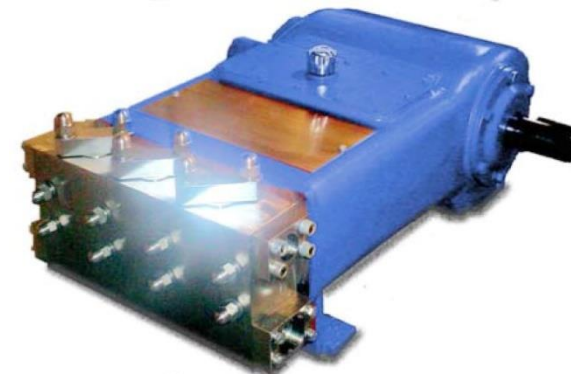
NANJING YALONG PETROCHEMICAL EQUIPMENT TECHNOLOGY Co.,LTD. (HIGH PRESSURE RECIPROCATING PUMP MANUFACTURER)

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The YALONG Model T210 is a single acting triplex plunger/piston pump rated at 210 HP in continuous duty services and up to 250 HP in intermittent duty. This versatile pump is offered with a variety of material and design options that make it ideal for general industrial, reverse osmosis, and typical applications involved in the production of oil and natural gas.

Specifications

	English Units	Metric Units		Continuous	Intermittent
Stroke Length	4"	100 mm	Rated bhp	210HP	250 HP
Rated Rod Load	17637 lb	8000 Kg	Maximum Speed	370 rpm	420 rpm
Pump Weight	2600 lb	1180 Kg	Minimum Speed	90rpm	75 rpm
Oil Capacity	11.1 gal	45 L	Max. plunger size x stroke length.	140x100mm	
Max. Fluid Temp	284 °F	140 °C	Crankshaft extension Dia.x length	100x160 mm	
Mechanical Efficiency		90%	Keyway (width x depth x length)	28x10x140 mm	



Performance Ratings (Volumes indicated are displacement of incompressible fluid)

plungerDia		L/RPM	Gal/RPM	Max.Press.		pump speed=90RPM			pump speed=150RPM			pump speed=200RPM			pump speed=250RPM			pump speed=350RPM			pump speed=425RPM		
mm	in			Mp	Psi	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h
35	1.3	0.288	0.076	80.	11600	26.0	6.9	1.6	43.3	11.4	2.6	72.1	19.1	4.3	86.5	22.9	5.2	101	26.7	6.1	122.6	32.4	7.4
40	1.5	0.377	0.100	63.	9135	33.9	9.0	2.0	56.5	14.9	3.4	94.2	24.9	5.7	113.0	29.9	6.8	132	34.8	7.9	160.1	42.3	9.6
45	1.7	0.477	0.126	50.	7250	42.9	11.3	2.6	71.5	18.9	4.3	119.2	31.5	7.2	143.1	37.8	8.6	167	44.1	10.0	202.7	53.5	12.2
50	1.9	0.589	0.156	40.	5800	53.0	14.0	3.2	88.3	23.3	5.3	147.2	38.9	8.8	176.6	46.7	10.6	206	54.4	12.4	250.2	66.1	15.0
56	2.2	0.739	0.195	32.	4640	66.5	17.6	4.0	110.8	29.3	6.6	184.6	48.8	11.1	221.6	58.5	13.3	258	68.3	15.5	313.9	82.9	18.8
63	2.4	0.935	0.247	25.	3625	84.1	22.2	5.0	140.2	37.0	8.4	233.7	61.7	14.0	280.4	74.1	16.8	327	86.4	19.6	397.2	104.9	23.8
71	2.8	1.187	0.314	20.	2900	106.8	28.2	6.4	178.1	47.0	10.7	296.8	78.4	17.8	356.1	94.1	21.4	416	109.8	24.9	504.5	133.3	30.3
79	3.11	1.470	0.388	16.	2320	132.3	34.9	7.9	220.5	58.2	13.2	367.4	97.1	22.0	440.9	116.5	26.5	514	135.9	30.9	624.6	165.0	37.5
90	3.5	1.908	0.504	12.	1813	171.7	45.4	10.3	286.1	75.6	17.2	476.9	126.0	28.6	572.3	151.2	34.3	668	176.4	40.1	810.7	214.2	48.6
100	3.9	2.355	0.622	10.	1450	212.0	56.0	12.7	353.3	93.3	21.2	588.8	155.5	35.3	706.5	186.6	42.4	824	217.7	49.5	1000.9	264.4	60.1
112	4.4	2.954	0.780	8.0	1160	265.9	70.2	16.0	443.1	117.1	26.6	738.5	195.1	44.3	886.2	234.1	53.2	1034	273.1	62.0	1255.5	331.7	75.3
127	5.0	3.798	1.003	6.3	914	341.9	90.3	20.5	569.8	150.5	34.2	949.6	250.9	57.0	1139.5	301.0	68.4	1329	351.2	79.8	1614.3	426.5	96.9
142	5.5	4.749	1.254	5.0	725	427.4	112.9	25.6	712.3	188.2	42.7	1187.	313.6	71.2	1424.6	376.3	85.5	1662	439.1	99.7	2018.2	533.1	121.1
Brake Horsepower Required (HP)				53.0			88.4			147.4			176.8			206.3 (Continuous work)			250.5				

*Flows are based on 100% volumetric efficiency. Brake Horsepower /Kilowatts Required is based on 90% Mechanical Efficiency. Consult YaLong for continuous service speeds in excess of 350 RPM. Not all plunger sizes are shown, Additional plunger sizes are available. Please contact YaLong for more details. Standard configuration is a single extended crank, double extending crankshaft please contact YALONG. Discharge and Suction Connection mode and size please contact YALONG.

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The YALONG Model T190 is a single acting triplex plunger/piston pump rated at 190HP in continuous duty services and up to 219HP in intermittent duty. This versatile pump is offered with a variety of material and design options that make it ideal for general industrial, reverse osmosis, and typical applications involved in the production of oil and natural gas.

Specifications

	English Units	Metric Units		Continuous	Intermittent
Stroke Length		125 mm	Rated bhp	190 HP	219 HP
Rated Rod Load	13007 lb	5900 Kg	Maximum Speed	350 rpm	400 rpm
Pump Weight	3750 lb	1700 Kg	Minimum Speed	90 rpm	75 rpm
Oil Capacity	12.6 gal	48 L	Max. plunger size x stroke length.	137x125mm	
Max. Fluid Temp	752°F	400°C	Crankshaft extension Dia.x length	100x200 mm	
Mechanical Efficiency		90%	Keyway (width x depth x length)	28x10x180 mm	



Performance Ratings (Volumes indicated are displacement of incompressible fluid)

plunger		L/RPM	Gal/ RPM	Max.Press.		pump speed=90RPM			pump speed=150RPM			pump speed=200RPM			pump speed=250RPM			pump speed=350RPM			pump speed=400RPM		
mm	in			Mpa	Psi	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h
34	1.34	0.340	0.090	63.0	9135	30.6	8.1	1.8	51.0	13.5	3.1	68.1	18.0	4.1	85.1	22.5	5.1	119.1	31.5	7.1	136.1	36.0	8.2
38	1.50	0.425	0.112	50.0	7250	38.3	10.1	2.3	63.8	16.8	3.8	85.0	22.5	5.1	106.3	28.1	6.4	148.8	39.3	8.9	170.0	44.9	10.2
43	1.69	0.544	0.144	40.0	5800	49.0	12.9	2.9	81.6	21.6	4.9	108.9	28.8	6.5	136.1	35.9	8.2	190.5	50.3	11.4	217.7	57.5	13.1
48	1.89	0.678	0.179	32.0	4640	61.0	16.1	3.7	101.7	26.9	6.1	135.6	35.8	8.1	169.6	44.8	10.2	237.4	62.7	14.2	271.3	71.7	16.3
54	2.13	0.858	0.227	25.0	3625	77.3	20.4	4.6	128.8	34.0	7.7	171.7	45.4	10.3	214.6	56.7	12.9	300.4	79.4	18.0	343.4	90.7	20.6
61	2.40	1.095	0.289	20.0	2900	98.6	26.0	5.9	164.3	43.4	9.9	219.1	57.9	13.1	273.8	72.3	16.4	383.4	101.3	23.0	438.1	115.7	26.3
68	2.68	1.361	0.360	16.0	2320	122.5	32.4	7.4	204.2	53.9	12.3	272.2	71.9	16.3	340.3	89.9	20.4	476.4	125.9	28.6	544.5	143.8	32.7
77	3.03	1.745	0.461	12.5	1813	157.1	41.5	9.4	261.8	69.2	15.7	349.1	92.2	20.9	436.3	115.3	26.2	610.9	161.4	36.7	698.1	184.4	41.9
86	3.39	2.177	0.575	10.0	1450	195.9	51.8	11.8	326.6	86.3	19.6	435.4	115.0	26.1	544.3	143.8	32.7	762.0	201.3	45.7	870.9	230.1	52.3
96	3.78	2.713	0.717	8.0	1160	244.2	64.5	14.6	406.9	107.5	24.4	542.6	143.3	32.6	678.2	179.2	40.7	949.5	250.8	57.0	1085.2	286.7	65.1
109	4.29	3.497	0.924	6.3	914	314.8	83.2	18.9	524.6	138.6	31.5	699.5	184.8	42.0	874.4	231.0	52.5	1224.1	323.4	73.4	1399.0	369.6	83.9
137	5.39	5.525	1.460	4.0	580	497.3	131.4	29.8	828.8	218.9	49.7	1105.0	291.9	66.3	1381.3	364.9	82.9	1933.8	510.9	116.0			
Brake Horsepower Required						49.4			82.3			109.7			137.2			192 (Continuous work)			219.5		

*Flows are based on 100% volumetric efficiency. Brake Horsepower /Kilowatts Required is based on 90% Mechanical Efficiency.Consult YaLong for continuous service speeds in excess of 350 RPM.

Not all plunger sizes are shown, Additional plunger sizes are available.Please contact YaLong for more details. Standard configuration is a single extended crank, double extending crankshaft please contact YALONG. Discharge and Suction Connection mode and size please contact YALONG.

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The YALONG Model T290 is a single acting triplex plunger/piston pump rated at 290 HP in continuous duty services and up to 330 HP in intermittent duty. This versatile pump is offered with a variety of material and design options that make it ideal for general industrial, reverse osmosis, and typical applications involved in the production of oil and natural gas.

Specifications

	English Units	Metric Units		Continuous	Intermittent
Stroke Length	6 in	152.4 mm	Rated bhp	290HP	330 HP
Rated Rod Load	18408 lb	8350 Kg	Maximum Speed	310 rpm	350 rpm
Pump Weight	4960 lb	2250 Kg	Minimum Speed	75 rpm	50 rpm
Oil Capacity	14 gal	53 L	Max. plunger size x stroke length.	145x152mm	
Max. Fluid Temp	752 °F	400°C	Crankshaft extension Dia.x length	139x190 mm	
Mechanical Efficiency		90%	Keyway (width x depth x length)	36x12x190 mm	



Performance Ratings (Volumes indicated are displacement of incompressible fluid)

plunger		L/RPM	Gal/RPM	Max.Press.		pump speed=90RPM			pump speed=150RPM			pump speed=200RPM			pump speed=270RPM			pump speed=310RPM			pump speed=350RPM		
mm	in			Mpa	Psi	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h
41	1.61	0.603	0.159	63.0	9135	54.3	14.3	3.3	90.5	23.9	5.4	120.7	31.9	7.2	162.9	43.0	9.8	187.0	49.4	11.2	211.2	55.8	12.7
46	1.81	0.759	0.201	50.0	7250	68.3	18.1	4.1	113.9	30.1	6.8	151.9	40.1	9.1	205.0	54.2	12.3	235.4	62.2	14.1	265.8	70.2	15.9
51	2.01	0.934	0.247	40.0	5800	84.0	22.2	5.0	140.0	37.0	8.4	186.7	49.3	11.2	252.0	66.6	15.1	289.4	76.4	17.4	326.7	86.3	19.6
57	2.24	1.166	0.308	32.0	4640	104.9	27.7	6.3	174.9	46.2	10.5	233.2	61.6	14.0	314.8	83.2	18.9	361.5	95.5	21.7	408.1	107.8	24.5
65	2.56	1.516	0.401	25.0	3625	136.5	36.1	8.2	227.5	60.1	13.6	303.3	80.1	18.2	409.4	108.2	24.6	470.1	124.2	28.2	530.7	140.2	31.8
73	2.87	1.913	0.505	20.0	2900	172.1	45.5	10.3	286.9	75.8	17.2	382.5	101.0	23.0	516.4	136.4	31.0	592.9	156.6	35.6	669.4	176.8	40.2
81	3.19	2.355	0.622	16.0	2320	211.9	56.0	12.7	353.2	93.3	21.2	471.0	124.4	28.3	635.8	168.0	38.1	730.0	192.8	43.8	824.2	217.7	49.4
92	3.62	3.038	0.802	12.5	1813	273.4	72.2	16.4	455.7	120.4	27.3	607.5	160.5	36.5	820.2	216.7	49.2	941.7	248.8	56.5	1063.2	280.9	63.8
103	4.06	3.808	1.006	10.0	1450	342.7	90.5	20.6	571.1	150.9	34.3	761.5	201.2	45.7	1028.0	271.6	61.7	1180.4	311.8	70.8	1332.7	352.0	80.0
115	4.53	4.746	1.254	8.0	1160	427.2	112.8	25.6	712.0	188.1	42.7	949.3	250.8	57.0	1281.5	338.5	76.9	1471.4	388.7	88.3	1661.3	438.9	99.7
130	5.12	6.065	1.602	6.3	914	545.9	144.2	32.8	909.8	240.3	54.6	1213.1	320.5	72.8	1637.7	432.6	98.3	1880.3	496.7	112.8			
145	5.71	7.546	1.993	5.0	725	679.1	179.4	40.7	1131.9	299.0	67.9	1509.2	398.7	90.6	2037.4	538.2	122.2						
Brake Horsepower Required						84.9			141.5			188.7			254.8			292.5 (Continuous work)			330.2		

*Flows are based on 100% volumetric efficiency. Brake Horsepower /Kilowatts Required is based on 90% Mechanical Efficiency.Consult YaLong for continuous service speeds in excess of 310 RPM.
Not all plunger sizes are shown, Additional plunger sizes are available.Please contact YaLong for more details. Standard configuration is a single extended crank, double extending crankshaft please contact YALONG.
Discharge and Suction Connection mode and size please contact YALONG.

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The YALONG Model T340 is a single acting triplex plunger/piston pump rated at 340 HP in continuous duty services and up to 384HP in intermittent duty. This versatile pump is offered with a variety of material and design options that make it ideal for general industrial, reverse osmosis, and typical applications involved in the production of oil and natural gas.

Specifications

	English Units	Metric Units		Continuous	Intermittent
Stroke Length	7.125 in	181 mm	Rated bhp	340HP	384 HP
Rated Rod Load	20944 lb	9500 Kg	Maximum Speed	266 rpm	300 rpm
Pump Weight	6393 lb	2900 Kg	Minimum Speed	90rpm	75 rpm
Oil Capacity	18.8 gal	75 L	Max. plunger size x stroke length.	155x151mm	
Max. Fluid Temp	752 °F	400 °C	Crankshaft extension Dia.x length	140x250 mm	
Mechanical Efficiency		90%	Keyway (width x depth x length)	32x11x240 mm	



Performance Ratings (Volumes indicated are displacement of incompressible fluid)

plunger Dia.		L/RPM	Gal/RPM	Max.Press.		pump speed=90RPM			pump speed=150RPM			pump speed=200RPM			pump speed=266RPM			pump speed=300RPM		
mm	in			Mpa	Psi	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h
43	1.69	0.788	0.208	63.0	9135	70.9	18.7	4.3	118.2	31.2	7.1	157.6	41.6	9.5	209.6	55.4	12.6	236.4	62.5	14.2
49	1.93	1.023	0.270	50.0	7250	92.1	24.3	5.5	153.5	40.6	9.2	204.7	54.1	12.3	272.2	71.9	16.3	307.0	81.1	18.4
55	2.17	1.289	0.341	40.0	5800	116.0	30.7	7.0	193.4	51.1	11.6	257.9	68.1	15.5	343.0	90.6	20.6	386.8	102.2	23.2
61	2.40	1.586	0.419	32.0	4640	142.7	37.7	8.6	237.9	62.8	14.3	317.2	83.8	19.0	421.9	111.5	25.3	475.8	125.7	28.5
69	2.72	2.029	0.536	25.0	3625	182.6	48.2	11.0	304.4	80.4	18.3	405.9	107.2	24.4	539.8	142.6	32.4	608.8	160.8	36.5
77	3.03	2.527	0.668	20.0	2900	227.5	60.1	13.6	379.1	100.1	22.7	505.5	133.5	30.3	672.3	177.6	40.3	758.2	200.3	45.5
86	3.39	3.153	0.833	16.0	2320	283.7	75.0	17.0	472.9	124.9	28.4	630.5	166.6	37.8	838.6	221.5	50.3	945.8	249.8	56.7
98	3.86	4.094	1.081	12.5	1813	368.4	97.3	22.1	614.1	162.2	36.8	818.8	216.3	49.1	1088.9	287.7	65.3	1228.1	324.4	73.7
110	4.33	5.158	1.363	10.0	1450	464.2	122.6	27.9	773.7	204.4	46.4	1031.5	272.5	61.9	1371.9	362.4	82.3	1547.3	408.8	92.8
122	4.80	6.344	1.676	8.0	1160	571.0	150.8	34.3	951.7	251.4	57.1	1268.9	335.2	76.1	1687.6	445.8	101.3	1903.3	502.8	114.2
138	5.433	8.118	2.144	6.3	914	730.6	193.0	43.8	1217.6	321.7	73.1	1623.5	428.9	97.4						
155	6.10	10.241	2.705	5.0	725	921.7	243.5	55.3	1536.1	405.8	92.2	2048.2	541.1	122.9						
Brake Horsepower Required						115.2			192.1			265.1			340.6 (Continuous work)			384.1		

*Flows are based on 100% volumetric efficiency. Brake Horsepower /Kilowatts Required is based on 90% Mechanical Efficiency.Consult YaLong for continuous service speeds in excess of 266 RPM.

Not all plunger sizes are shown, Additional plunger sizes are available.Please contact YaLong for more details. Standard configuration is a single extended crank, double extending crankshaft please contact YALONG.

Discharge and Suction Connection mode and size please contact YALONG.

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The YALONG Model T400 is a single acting triplex plunger/piston pump rated at 410 HP in continuous duty services and up to 464HP in intermittent duty. This versatile pump is offered with a variety of material and design options that make it ideal for general industrial, reverse osmosis, and typical applications involved in the production of oil and natural gas.

Specifications

	English Units	Metric Units		Continuous	Intermittent
Stroke Length	7.125 in	181 mm	Rated bhp	410HP	464 HP
Rated Rod Load	25353 lb	11500 Kg	Maximum Speed	266 rpm	300 rpm
Pump Weight	6393 lb	2900 Kg	Minimum Speed	90rpm	75 rpm
Oil Capacity	18.8 gal	75 L	Max. plunger size x stroke length.	155x151mm	
Max. Fluid Temp	752 °F	400 °C	Crankshaft extension Dia.x length	140x250 mm	
Mechanical Efficiency		90%	Keyway (width x depth x length)	32x11x240 mm	



Performance Ratings (Volumes indicated are displacement of incompressible fluid)

plunger Dia.		L/RPM	Gal/RPM	Max.Press.		pump speed=90RPM			pump speed=150RPM			pump speed=200RPM			pump speed=266RPM			pump speed=300RPM		
mm	in			Mpa	Psi	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h
42	1.65	0.752	0.199	80.0	11600	67.7	17.9	4.1	112.8	29.8	6.8	150.4	39.7	9.0	200.0	52.8	12.0	225.6	59.6	13.5
48	1.89	0.982	0.259	63.0	9135	88.4	23.3	5.3	147.3	38.9	8.8	196.4	51.9	11.8	261.2	69.0	15.7	294.6	77.8	17.7
54	2.13	1.243	0.328	50.0	7250	111.9	29.6	6.7	186.4	49.3	11.2	248.6	65.7	14.9	330.6	87.3	19.8	372.9	98.5	22.4
60	2.36	1.535	0.405	40.0	5800	138.1	36.5	8.3	230.2	60.8	13.8	306.9	81.1	18.4	408.2	107.8	24.5	460.4	121.6	27.6
67	2.64	1.913	0.505	32.0	4640	172.2	45.5	10.3	287.0	75.8	17.2	382.7	101.1	23.0	509.0	134.5	30.5	574.0	151.6	34.4
76	2.99	2.462	0.650	25.0	3625	221.6	58.5	13.3	369.3	97.6	22.2	492.4	130.1	29.5	654.9	173.0	39.3	738.6	195.1	44.3
85	3.35	3.080	0.814	20.0	2900	277.2	73.2	16.6	462.0	122.0	27.7	615.9	162.7	37.0	819.2	216.4	49.2	923.9	244.1	55.4
95	3.74	3.847	1.016	16.0	2320	346.2	91.5	20.8	577.0	152.4	34.6	769.4	203.2	46.2	1023.3	270.3	61.4	1154.1	304.9	69.2
108	4.25	4.972	1.313	12.5	1813	447.5	118.2	26.8	745.8	197.0	44.7	994.4	262.7	59.7	1322.5	349.4	79.4	1491.6	394.0	89.5
121	4.76	6.241	1.649	10.0	1450	561.7	148.4	33.7	936.1	247.3	56.2	1248.2	329.7	74.9	1660.1	438.5	99.6	1872.2	494.6	112.3
135	5.31	7.768	2.052	8.0	1160	699.2	184.7	41.9	1165.3	307.8	69.9	1553.7	410.4	93.2	2066.4	545.9	124.0			
152	5.984	9.848	2.602	6.3	914	886.3	234.1	53.2	1477.2	390.2	88.6	1969.6	520.3	118.2						
155	6.10	10.241	2.705	5.0	725	921.7	243.5	55.3	1536.1	405.8	92.2	2048.2	541.1	122.9						
Brake Horsepower Required						139.4			232.4			309.9			412.1 (Continuous work)			464.8		

*Flows are based on 100% volumetric efficiency. Brake Horsepower /Kilowatts Required is based on 90% Mechanical Efficiency.Consult YaLong for continuous service speeds in excess of 266 RPM.

Not all plunger sizes are shown, Additional plunger sizes are available.Please contact YaLong for more details. Standard configuration is a single extended crank, double extending crankshaft please contact YALONG.

Discharge and Suction Connection mode and size please contact YALONG.

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The YALONG Model Q290 is a single acting quintuplex plunger pump rated at 290 HP in continuous duty services and up to 346 HP in intermittent duty. This versatile pump is offered with a variety of material and design options that make it ideal for general industrial, reverse osmosis, and typical applications involved in the production of oil and natural gas.

Specifications

	English Units	Metric Units		Continuous	Intermittent
Stroke Length	3.5 in	89 mm	Rated bhp	290 HP	346 HP
Rated Rod Load	13889 lb	6300 Kg	Maximum Speed	420 rpm	500 rpm
Pump Weight	3086 lb	1400 Kg	Minimum Speed	90 rpm	75 rpm
Oil Capacity	18.8 gal	71 L	Max. plunger size x stroke length.	101x89mm	
Max. Fluid Temp	284 °F	150 °C	Crankshaft extension Dia.x length	103x223 mm	
Mechanical Efficiency		90%	Keyway (width x depth x length)	28x10x214 mm	



Performance Ratings (Volumes indicated are displacement of incompressible fluid)

plunger Dia.		L/RPM	Gal/RPM	Max.Press.		pump speed=90RPM			pump speed=200RPM			pump speed=250RPM			pump speed=300RPM			pump speed=420RPM			pump speed=500RPM		
mm	in			Mpa	Psi	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h
28	1.10	0.274	0.072	100.0	14500	24.6	6.5	1.5	54.8	14.5	3.3	68.5	18.1	4.1	82.2	21.7	4.9	115.0	30.4	6.9	136.9	36.2	8.2
31	1.22	0.336	0.089	80.0	11600	30.2	8.0	1.8	67.1	17.7	4.0	83.9	22.2	5.0	100.7	26.6	6.0	141.0	37.2	8.5	167.9	44.3	10.1
35	1.38	0.428	0.113	63.0	9135	38.5	10.2	2.3	85.6	22.6	5.1	107.0	28.3	6.4	128.4	33.9	7.7	179.7	47.5	10.8	214.0	56.5	12.8
40	1.57	0.559	0.148	50.0	7250	50.3	13.3	3.0	111.8	29.5	6.7	139.7	36.9	8.4	167.7	44.3	10.1	234.7	62.0	14.1	279.5	73.8	16.8
44	1.73	0.676	0.179	40.0	5800	60.9	16.1	3.7	135.3	35.7	8.1	169.1	44.7	10.1	202.9	53.6	12.2	284.0	75.0	17.0	338.1	89.3	20.3
50	1.97	0.873	0.231	32.0	4640	78.6	20.8	4.7	174.7	46.1	10.5	218.3	57.7	13.1	262.0	69.2	15.7	366.8	96.9	22.0	436.7	115.4	26.2
56	2.20	1.095	0.289	25.0	3625	98.6	26.0	5.9	219.1	57.9	13.1	273.9	72.3	16.4	328.6	86.8	19.7	460.1	121.5	27.6	547.7	144.7	32.9
63	2.48	1.386	0.366	20.0	2900	124.8	33.0	7.5	277.3	73.3	16.6	346.6	91.6	20.8	415.9	109.9	25.0	582.3	153.8	34.9	693.2	183.1	41.6
70	2.76	1.712	0.452	16.0	2320	154.1	40.7	9.2	342.3	90.4	20.5	427.9	113.0	25.7	513.5	135.7	30.8	718.9	189.9	43.1	855.8	226.1	51.4
80	3.15	2.236	0.591	12.5	1813	201.2	53.2	12.1	447.1	118.1	26.8	558.9	147.6	33.5	670.7	177.2	40.2	939.0	248.1	56.3	1117.8	295.3	67.1
89	3.50	2.767	0.731	10.0	1450	249.0	65.8	14.9	553.4	146.2	33.2	691.8	182.7	41.5	830.1	219.3	49.8	1162.1	307.0	69.7			
100	3.937	3.493	0.923	8.0	1160	314.4	83.1	18.9	698.7	184.6	41.9	873.3	230.7	52.4	1048.0	276.8	62.9						
Brake Horsepower Required						62.4			138.8			173.4			208.1			291.4 (Continuous work)			346.6		

*Flows are based on 100% volumetric efficiency. Brake Horsepower /Kilowatts Required is based on 90% Mechanical Efficiency.Consult YaLong for continuous service speeds in excess of 420 RPM.
Not all plunger sizes are shown, Additional plunger sizes are available.Please contact YaLong for more details. Standard configuration is a single extended crank, double extending crankshaft please contact YALONG.
Discharge and Suction Connection mode and size please contact YALONG.

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The YALONG Model Q440 is a single acting quintuplex plunger pump rated at 400 HP in continuous duty services and up to 450 HP in intermittent duty. This versatile pump is offered with a variety of material and design options that make it ideal for general industrial, reverse osmosis, and typical applications involved in the production of oil and natural gas.

Specifications

	English Units	Metric Units		Continuous	Intermittent
Stroke Length	4.53 in	115 mm	Rated bhp	400 HP	450 HP
Rated Rod Load	15873 lb	7200 Kg	Maximum Speed	390 rpm	440 rpm
Pump Weight	4188 lb	1900 Kg	Minimum Speed	90 rpm	75 rpm
Oil Capacity	gal	95 L	Max. plunger size x stroke length.	108x115mm	
Max. Fluid Temp	284 °F	150 °C	Crankshaft extension Dia.x length	103x223 mm	
Mechanical Efficiency		90%	Keyway (width x depth x length)	28x10x214 mm	



Performance Ratings (Volumes indicated are displacement of incompressible fluid)

plunger Dia.		L/RPM	Gal/RPM	Max.Press.		pump speed=90RPM			pump speed=200RPM			pump speed=250RPM			pump speed=300RPM			pump speed=390RPM			pump speed=440RPM		
mm	in			Mpa	Psi	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h
30	1.18	0.406	0.1073	100.0	14500	36.6	9.7	2.2	60.9	16.1	3.7	101.6	26.8	6.1	121.9	32.2	7.3	158.4	41.9	9.5	178.7	47.2	10.7
33	1.30	0.492	0.1299	80.0	11600	44.2	11.7	2.7	73.7	19.5	4.4	122.9	32.5	7.4	147.5	39.0	8.8	191.7	50.6	11.5	216.3	57.1	13.0
38	1.50	0.652	0.1722	63.0	9135	58.7	15.5	3.5	97.8	25.8	5.9	162.9	43.0	9.8	195.5	51.7	11.7	254.2	67.2	15.3	286.8	75.8	17.2
42	1.65	0.796	0.2103	50.0	7250	71.7	18.9	4.3	119.4	31.6	7.2	199.1	52.6	11.9	238.9	63.1	14.3	310.5	82.0	18.6	350.3	92.5	21.0
47	1.85	0.997	0.2634	40.0	5800	89.7	23.7	5.4	149.6	39.5	9.0	249.3	65.9	15.0	299.1	79.0	17.9	388.9	102.7	23.3	438.7	115.9	26.3
53	2.09	1.268	0.3349	32.0	4640	114.1	30.1	6.8	190.2	50.2	11.4	317.0	83.7	19.0	380.4	100.5	22.8	494.5	130.6	29.7	557.9	147.4	33.5
60	2.36	1.625	0.4293	25.0	3625	146.2	38.6	8.8	243.7	64.4	14.6	406.2	107.3	24.4	487.5	128.8	29.2	633.7	167.4	38.0	715.0	188.9	42.9
67	2.64	2.026	0.5353	20.0	2900	182.4	48.2	10.9	303.9	80.3	18.2	506.6	133.8	30.4	607.9	160.6	36.5	790.2	208.8	47.4	891.5	235.5	53.5
75	2.95	2.539	0.6707	16.0	2320	228.5	60.4	13.7	380.8	100.6	22.9	634.7	167.7	38.1	761.7	201.2	45.7	990.2	261.6	59.4	1117.2	295.1	67.0
85	3.35	3.261	0.8615	12.5	1813	293.5	77.5	17.6	489.2	129.2	29.4	815.3	215.4	48.9	978.4	258.5	58.7	1271.9	336.0	76.3	1434.9	379.1	86.1
95	3.74	4.074	1.0761	10.0	1450	366.6	96.9	22.0	611.0	161.4	36.7	1018.4	269.0	61.1	1222.1	322.8	73.3	1588.7	419.7	95.3			
107	4.21	5.168	1.3652	8.0	1160	465.1	122.9	27.9	775.2	204.8	46.5	1291.9	341.3	77.5	1550.3	409.6	93.0						
Brake Horsepower Required						92.4			153.9			256.6			307.9			400.3 (Continuous work)			451.6		

*Flows are based on 100% volumetric efficiency. Brake Horsepower /Kilowatts Required is based on 90% Mechanical Efficiency.Consult YaLong for continuous service speeds in excess of 390 RPM.
Not all plunger sizes are shown, Additional plunger sizes are available.Please contact YaLong for more details. Standard configuration is a single extended crank, double extending crankshaft please contact YALONG.
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NANJING YALONG PETROCHEMICAL EQUIPMENT TECHNOLOGY Co.,LTD. (HIGH PRESSURE RECIPROCATING PUMP MANUFACTURER)

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YALONG**Q340 (5W125) Quintuplex Plunger / Piston Pump**

The YALONG Model Q340 is a single acting quintuplex plunger / piston pump rated at 340 HP in continuous duty services and up to 390 HP in intermittent duty. This versatile pump is offered with a variety of material and design options that make it ideal for general industrial, reverse osmosis, and typical applications involved in the production of oil and natural gas.

Specifications

	English Units	Metric Units		Continuous	Intermittent
Stroke Length		125 mm	Rated bhp	340 HP	390HP
Rated Rod Load	13999 lb	6350 Kg	Maximum Speed	350 rpm	400 rpm
Pump Weight	6393 lb	2900 Kg	Minimum Speed	90 rpm	75 rpm
Oil Capacity	34.9 gal	132 L	Max. plunger size x stroke length.	127x125mm	
Max. Fluid Temp	284 °F	140 °C	Crankshaft extension Dia.x length	110x250 mm	
Mechanical Efficiency		90%	Keyway (width x depth x length)	28x10x234 mm	

**Performance Ratings** (Volumes indicated are displacement of incompressible fluid)

PlungerDia.		L/RPM	Gal/RPM	Max.Press.		pump speed=90RPM			pump speed=150RPM			pump speed=250RPM			pump speed=300RPM			pump speed=350RPM			pump speed=400RPM		
mm	in			Mpa	Psi	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h
31	1.22	0.471	0.125	80.0	11600	42.4	11.2	2.5	70.7	18.7	4.2	117.9	31.1	7.1	141.4	37.4	8.5	165.0	43.6	9.9	188.6	49.8	11.3
35	1.38	0.601	0.159	63.0	9135	54.1	14.3	3.2	90.2	23.8	5.4	150.3	39.7	9.0	180.3	47.6	10.8	210.4	55.6	12.6	225.4	63.5	13.5
40	1.57	0.785	0.207	50.0	7250	70.7	18.7	4.2	117.8	31.1	7.1	196.3	51.8	11.8	235.5	62.2	14.1	274.8	72.6	16.5	314.0	82.9	18.8
44	1.73	0.950	0.251	40.0	5800	85.5	22.6	5.1	142.5	37.6	8.5	237.5	62.7	14.2	285.0	75.3	17.1	332.4	87.8	19.9	356.2	100.4	21.4
50	1.97	1.227	0.324	32.0	4640	110.	29.2	6.6	184.0	48.6	11.0	306.6	81.0	18.4	368.0	97.2	22.1	429.3	113.4	25.8	460.0	129.6	27.6
56	2.20	1.539	0.406	25.0	3625	138.	36.6	8.3	230.8	61.0	13.8	384.7	101.6	23.1	461.6	121.9	27.7	538.5	142.3	32.3	577.0	162.6	34.6
63	2.48	1.947	0.514	20.0	2900	175.	46.3	10.5	292.1	77.2	17.5	486.8	128.6	29.2	584.2	154.3	35.1	681.6	180.0	40.9	730.2	205.8	43.8
71	2.80	2.473	0.653	16.0	2320	222.	58.8	13.4	371.0	98.0	22.3	618.3	163.3	37.1	742.0	196.0	44.5	865.6	228.7	51.9	927.5	261.3	55.6
80	3.15	3.140	0.829	12.5	1813	282.	74.7	17.0	471.0	124.4	28.3	785.0	207.4	47.1	942.0	248.8	56.5	1099.0	290.3	65.9	1177.5	331.8	70.7
89	3.50	3.886	1.027	10.0	1450	349.	92.4	21.0	582.9	154.0	35.0	971.6	256.7	58.3	1165.9	308.0	70.0	1360.2	359.3	81.6	1457.3	410.7	87.4
100	3.94	4.906	1.296	8.0	1160	441.	116.6	26.5	735.9	194.4	44.2	1226.6	324.0	73.6	1471.9	388.8	88.3	1717.2	453.6	103.0	1839.8	518.4	110.4
113	4.45	6.265	1.655	6.3	914	563.	148.9	33.8	939.7	248.2	56.4	1566.2	413.7	94.0	1879.4	496.5	112.8	2192.7	579.2	131.6	2349.3	662.0	141.0
142	5.59	9.893	2.613	4.0	580	890.	235.2	53.4	1483.9	392.0	89.0	2473.2	653.4	148.4	2967.9	784.0	178.1	3462.5	914.7	207.8			
Brake Horsepower Required						88.4			147.4			245.6			294.7			343.8 (Continuous work)			392.9		

*Flows are based on 100% volumetric efficiency. Brake Horsepower /Kilowatts Required is based on 90% Mechanical Efficiency.Consult YaLong for continuous service speeds in excess of 335 RPM.

Not all plunger sizes are shown, Additional plunger sizes are available.Please contact YaLong for more details. Standard configuration is a single extended crank, double extending crankshaft please contact YALONG.

Discharge and Suction Connection mode and size please contact YALONG.

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The YALONG Model Q410 is a single acting quintuplex plunger / piston pump rated at 410 HP in continuous duty services and up to 458 HP in intermittent duty. This versatile pump is offered with a variety of material and design options that make it ideal for general industrial, reverse osmosis, and typical applications involved in the production of oil and natural gas.

Specifications

	English Units	Metric Units		Continuous	Intermittent
Stroke Length		175 mm	Rated bhp	410 HP	458 HP
Rated Rod Load	14550 lb	6600 Kg	Maximum Speed	288 rpm	320 rpm
Pump Weight	7275 lb	3300 Kg	Minimum Speed	90 rpm	75 rpm
Oil Capacity	42.3 gal	160 L	Max. plunger size x stroke length.	127x175mm	
Max. Fluid Temp	284 °F	140 °C	Crankshaft extension Dia.x length	115x262 mm	
Mechanical Efficiency		90%	Keyway (width x depth x length)	32x11x250 mm	



Performance Ratings (Volumes indicated are displacement of incompressible fluid)

plunger		L/RPM	Gal/RPM	Max.Press.		pump speed=90RPM			pump speed=150RPM			pump speed=200RPM			pump speed=250RPM			pump speed=288RPM			pump speed=320RPM		
mm	in			Mpa	Psi	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h
32	1.26	0.703	0.186	80.0	11600	63.3	16.7	3.8	105.5	27.9	6.3	140.7	37.2	8.4	175.8	46.5	10.6	202.6	53.5	12.2	225.1	59.5	13.5
36	1.42	0.890	0.235	63.0	9135	80.1	21.2	4.8	133.5	35.3	8.0	178.0	47.0	10.7	222.5	58.8	13.4	256.4	67.7	15.4	284.9	75.3	17.1
41	1.61	1.155	0.305	50.0	7250	103.9	27.5	6.2	173.2	45.8	10.4	230.9	61.0	13.9	288.7	76.3	17.3	332.5	87.8	20.0	369.5	97.6	22.2
45	1.77	1.391	0.367	40.0	5800	125.2	33.1	7.5	208.6	55.1	12.5	278.2	73.5	16.7	347.7	91.9	20.9	400.6	105.8	24.0	445.1	117.6	26.7
51	2.01	1.787	0.472	32.0	4640	160.8	42.5	9.6	268.0	70.8	16.1	357.3	94.4	21.4	446.6	118.0	26.8	514.5	135.9	30.9	571.7	151.0	34.3
58	2.28	2.311	0.610	25.0	3625	208.0	54.9	12.5	346.6	91.6	20.8	462.1	122.1	27.7	577.7	152.6	34.7	665.5	175.8	39.9	739.4	195.3	44.4
64	2.52	2.813	0.743	20.0	2900	253.2	66.9	15.2	422.0	111.5	25.3	562.7	148.6	33.8	703.4	185.8	42.2	810.3	214.0	48.6	900.3	237.8	54.0
72	2.83	3.561	0.941	16.0	2320	320.5	84.7	19.2	534.1	141.1	32.0	712.2	188.1	42.7	890.2	235.2	53.4	1025.5	270.9	61.5	1139.4	301.0	68.4
82	3.23	4.619	1.220	12.5	1813	415.7	109.8	24.9	692.8	183.0	41.6	923.7	244.0	55.4	1154.6	305.0	69.3	1330.1	351.4	79.8	1477.9	390.4	88.7
91	3.58	5.688	1.503	10.0	1450	511.9	135.2	30.7	853.2	225.4	51.2	1137.6	300.5	68.3	1422.0	375.7	85.3	1638.1	432.7	98.3	1820.2	480.8	109.2
102	4.02	7.146	1.888	8.0	1160	643.2	169.9	38.6	1071.9	283.2	64.3	1429.2	377.6	85.8	1786.6	472.0	107.2	2058.1	543.7	123.5	2286.8	604.1	137.2
115	4.53	9.084	2.400	6.3	914	817.6	216.0	49.1	1362.6	360.0	81.8	1816.8	479.9	109.0	2271.0	599.9	136.3	2616.2	691.1	157.0	2906.9	767.9	174.4
144	5.67	14.243	3.763	4.0	580	1281.9	338.6	76.9	2136.5	564.4	128.2	2848.6	752.5	170.9	3560.8	940.6	213.6						
Brake Horsepower Required						129			215			286.6			358.3			412.8 (Continuous work)			458.6		

*Flows are based on 100% volumetric efficiency. Brake Horsepower /Kilowatts Required is based on 90% Mechanical Efficiency.Consult YaLong for continuous service speeds in excess of 288 RPM.
Not all plunger sizes are shown, Additional plunger sizes are available.Please contact YaLong for more details. Standard configuration is a single extended crank, double extending crankshaft please contact YALONG.
Discharge and Suction Connection mode and size please contact YALONG.

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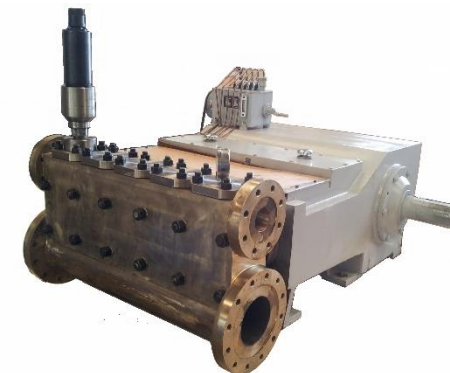
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The YALONG Model Q495 is a single acting quintuplex plunger / piston pump rated at 495 HP in continuous duty services and up to 575 HP in intermittent duty. This versatile pump is offered with a variety of material and design options that make it ideal for general industrial, reverse osmosis, and typical applications involved in the production of oil and natural gas.

Specifications

	English Units	Metric Units		Continuous	Intermittent
Stroke Length		127 mm	Rated bhp	495 HP	575 HP
Rated Rod Load	21495 lb	9750 Kg	Maximum Speed	325 rpm	375 rpm
Pump Weight	6945 lb	3150 Kg	Minimum Speed	90 rpm	75 rpm
Oil Capacity	42.3 gal	132 L	Max. plunger size x stroke length.	140x127mm	
Max. Fluid Temp	284 °F	140 °C	Crankshaft extension Dia.x length	115x262 mm	
Mechanical Efficiency		90%	Keyway (width x depth x length)	32x11x250 mm	



Performance Ratings (Volumes indicated are displacement of incompressible fluid)

plunger Dia. mm	in	L/RPM	Gal/RPM	Max.Press.		pump speed=90RPM			pump speed=150RPM			pump speed=250RPM			pump speed=300RPM			pump speed=325RPM			pump speed=375RPM		
				Mpa	Psi	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h
39	1.54	0.758	0.2003	80.0	11600	68.2	18.0	4.1	113.7	30.0	6.8	189.5	50.1	11.4	227.5	60.1	13.6	246.4	65.1	14.8	284.3	75.1	17.1
44	1.73	0.965	0.2549	63.0	9135	86.9	22.9	5.2	144.8	38.2	8.7	241.3	63.7	14.5	289.5	76.5	17.4	313.6	82.9	18.8	361.9	95.6	21.7
49	1.93	1.197	0.3162	50.0	7250	107.7	28.5	6.5	179.5	47.4	10.8	299.2	79.0	18.0	359.1	94.9	21.5	389.0	102.8	23.3	448.8	118.6	26.9
55	2.17	1.508	0.3983	40.0	5800	135.7	35.9	8.1	226.2	59.8	13.6	377.0	99.6	22.6	452.4	119.5	27.1	490.1	129.5	29.4	565.5	149.4	33.9
62	2.44	1.916	0.5062	32.0	4640	172.5	45.6	10.3	287.4	75.9	17.2	479.0	126.5	28.7	574.8	151.9	34.5	622.7	164.5	37.4	718.6	189.8	43.1
70	2.76	2.443	0.6452	25.0	3625	219.8	58.1	13.2	366.4	96.8	22.0	610.6	161.3	36.6	732.8	193.6	44.0	793.8	209.7	47.6	915.9	242.0	55.0
78	3.07	3.033	0.8012	20.0	2900	272.9	72.1	16.4	454.9	120.2	27.3	758.2	200.3	45.5	909.8	240.3	54.6	985.6	260.4	59.1	1137.3	300.4	68.2
88	3.46	3.860	1.0197	16.0	2320	347.4	91.8	20.8	579.0	153.0	34.7	965.0	254.9	57.9	1158.1	305.9	69.5	1254.6	331.4	75.3	1447.6	382.4	86.9
99	3.90	4.886	1.2906	12.5	1813	439.7	116.2	26.4	732.8	193.6	44.0	1221.4	322.7	73.3	1465.7	387.2	87.9	1587.8	419.5	95.3	1832.1	484.0	109.9
111	4.37	6.142	1.6225	10.0	1450	552.8	146.0	33.2	921.3	243.4	55.3	1535.4	405.6	92.1	1842.5	486.7	110.6	1996.1	527.3	119.8	2303.1	608.4	138.2
124	4.88	7.665	2.0247	8.0	1160	689.8	182.2	41.4	1149.7	303.7	69.0	1916.1	506.2	115.0	2299.4	607.4	138.0	2491.0	658.0	149.5	2874.2	759.3	172.5
140	5.51	9.770	2.5810	6.3	914	879.3	232.3	52.8	1465.5	387.1	87.9	2442.5	645.2	146.6	2931.0	774.3	175.9	3175.3	838.8	190.5			
Brake Horsepower Required						138			230			383.3			460.			498.3			575		

*Flows are based on 100% volumetric efficiency. Brake Horsepower /Kilowatts Required is based on 90% Mechanical Efficiency.Consult YaLong for continuous service speeds in excess of 325 RPM.

Not all plunger sizes are shown, Additional plunger sizes are available.Please contact YaLong for more details. Standard configuration is a single extended crank, double extending crankshaft please contact YALONG.

Discharge and Suction Connection mode and size please contact YALONG.

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The YALONG Model Q500 is a single acting quintuplex plunger / piston pump rated at 555 HP in continuous duty services and up to 618 HP in intermittent duty. This versatile pump is offered with a variety of material and design options that make it ideal for general industrial, reverse osmosis, and typical applications involved in the production of oil and natural gas.

Specifications

	English Units	Metric Units		Continuous	Intermittent
Stroke Length		175 mm	Rated bhp	555 HP	618 HP
Rated Rod Load	19621 lb	8900 Kg	Maximum Speed	288 rpm	320 rpm
Pump Weight	7936 lb	3600 Kg	Minimum Speed	75 rpm	50 rpm
Oil Capacity	44 gal	165 L	Max. plunger size x stroke length.	150x175mm	
Max. Fluid Temp	284 °F	140 °C	Crankshaft extension Dia.x length	140x280 mm	
Mechanical Efficiency		90%	Keyway (width x depth x length)	36x12x270 mm	



Performance Ratings (Volumes indicated are displacement of incompressible fluid)

plunger		L/RPM	Gal/RPM	Max.Press.		pump speed=90RPM			pump speed=150RPM			pump speed=200RPM			pump speed=250RPM			pump speed=288RPM			pump speed=320RPM		
mm	in			Mpa	Psi	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h
37	1.46	0.940	0.248	80.0	11600	84.6	22.4	5.1	141.0	37.3	8.5	188.1	49.7	11.3	235.1	62.1	14.1	270.8	71.5	16.2	300.9	79.5	18.1
42	1.65	1.212	0.320	63.0	9135	109.0	28.8	6.5	181.7	48.0	10.9	242.3	64.0	14.5	302.9	80.0	18.2	349.0	92.2	20.9	387.7	102.4	23.3
47	1.85	1.517	0.401	50.0	7250	136.6	36.1	8.2	227.6	60.1	13.7	303.5	80.2	18.2	379.3	100.2	22.8	437.0	115.4	26.2	485.5	128.3	29.1
53	2.09	1.929	0.510	40.0	5800	173.6	45.9	10.4	289.4	76.5	17.4	385.9	101.9	23.2	482.4	127.4	28.9	555.7	146.8	33.3	617.4	163.1	37.0
59	2.32	2.391	0.632	32.0	4640	215.2	56.8	12.9	358.7	94.7	21.5	478.2	126.3	28.7	597.8	157.9	35.9	688.6	181.9	41.3	765.1	202.1	45.9
67	2.64	3.083	0.815	25.0	3625	277.5	73.3	16.7	462.5	122.2	27.8	616.7	162.9	37.0	770.8	203.6	46.3	888.0	234.6	53.3	986.7	260.7	59.2
75	2.95	3.864	1.021	20.0	2900	347.7	91.9	20.9	579.6	153.1	34.8	772.7	204.1	46.4	965.9	255.2	58.0	1112.7	294.0	66.8	1236.4	326.6	74.2
84	3.31	4.847	1.280	16.0	2320	436.2	115.2	26.2	727.0	192.0	43.6	969.3	256.1	58.2	1211.6	320.1	72.7	1395.8	368.7	83.7	1550.9	409.7	93.1
95	3.74	6.199	1.638	12.5	1813	557.9	147.4	33.5	929.9	245.6	55.8	1239.8	327.5	74.4	1549.8	409.4	93.0	1785.3	471.6	107.1	1983.7	524.0	119.0
106	4.17	7.718	2.039	10.0	1450	694.6	183.5	41.7	1157.7	305.8	69.5	1543.5	407.8	92.6	1929.4	509.7	115.8	2222.7	587.2	133.4	2469.7	652.4	148.2
119	4.69	9.727	2.570	8.0	1160	875.4	231.3	52.5	1459.0	385.4	87.5	1945.4	513.9	116.7	2431.7	642.4	145.9	2801.3	740.0	168.1	3112.6	822.3	186.8
134	5.28	12.334	3.258	6.3	914	1110.0	293.2	66.6	1850.0	488.7	111.0	2466.7	651.6	148.0	3083.4	814.5	185.0						
150	5.91	15.455	4.083	5.0	725	1390.9	367.4	83.5	2318.2	612.4	139.1	3090.9	816.5	185.5									
Brake Horsepower Required						173.9			289.8			386.3			482.9			556.3 (Continuous work)			618.2		

*Flows are based on 100% volumetric efficiency. Brake Horsepower /Kilowatts Required is based on 90% Mechanical Efficiency.Consult YaLong for continuous service speeds in excess of 288 RPM.

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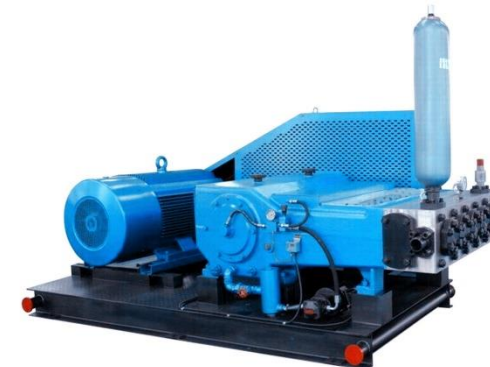
NANJING YALONG PETROCHEMICAL EQUIPMENT TECHNOLOGY Co.,LTD. (HIGH PRESSURE RECIPROCATING PUMP MANUFACTURER)

www.jspump.cn; e-mail: longpump@gmail.com / sales@jspump.cn; Tel:086-25-86166871 Fax:086-25-86166830 Mobil:+86-13951858681

The YALONG Model Q680 is a single acting quintuplex plunger / piston pump rated at 680 HP in continuous duty services. This versatile pump is offered with a variety of material and design options that make it ideal for general industrial, reverse osmosis, and typical applications involved in the production of oil and natural gas.

Specifications

	English Units	Metric Units		Continuous	Intermittent
Stroke Length		175 mm	Rated bhp	650 HP	
Rated Rod Load	26015 lb	11800 Kg	Maximum Speed	266 rpm	
Pump Weight	8157 lb	3900 Kg	Minimum Speed	90 rpm	75 rpm
Oil Capacity	44 gal	165 L	Max. plunger size x stroke length.	140x175mm	
Max. Fluid Temp	284 °F	140 °C	Crankshaft extension Dia.x length	140x280 mm	
Mechanical Efficiency		90%	Keyway (width x depth x length)	36x12x270 mm	



Performance Ratings (Volumes indicated are displacement of incompressible fluid)

plunger Dia.		L/RPM	Gal/RPM	Max.Press.		pump speed=90RPM			pump speed=150RPM			pump speed=200RPM			pump speed=266RPM			pump speed=288RPM		
mm	in			Mpa	Psi	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h
43	1.69	1.270	0.336	80.0	11600	114	30.2	6.9	190.5	50.3	11.4	254.0	67.1	15.2	337.8	89.2	20.3	365.8	96.6	21.9
48	1.89	1.583	0.418	63.0	9135	142	37.6	8.5	237.4	62.7	14.2	316.5	83.6	19.0	421.0	111.2	25.3	455.8	120.4	27.3
54	2.13	2.003	0.529	50.0	7250	180	47.6	10.8	300.4	79.4	18.0	400.6	105.8	24.0	532.8	140.7	32.0	576.8	152.4	34.6
61	2.40	2.556	0.675	40.0	5800	230	60.8	13.8	383.4	101.3	23.0	511.2	135.0	30.7	679.9	179.6	40.8	736.1	194.5	44.2
68	2.68	3.176	0.839	32.0	4640	286	75.5	17.2	476.4	125.9	28.6	635.2	167.8	38.1	844.8	223.2	50.7	914.7	241.6	54.9
77	3.03	4.072	1.076	25.0	3625	367	96.8	22.0	610.9	161.4	36.7	814.5	215.2	48.9	1083.3	286.2	65.0	1172.9	309.8	70.4
86	3.39	5.080	1.342	20.0	2900	457	120.8	27.4	762.0	201.3	45.7	1016.0	268.4	61.0	1351.3	357.0	81.1	1463.1	386.5	87.8
96	3.78	6.330	1.672	16.0	2320	570	150.5	34.2	949.5	250.8	57.0	1266.0	334.5	76.0	1683.8	444.8	101.0	1823.1	481.6	109.4
109	4.29	8.161	2.156	12.5	1813	734	194.0	44.1	1224.1	323.4	73.4	1632.2	431.2	97.9	2170.8	573.5	130.2	2350.3	620.9	141.0
122	4.80	10.223	2.701	10.0	1450	920	243.1	55.2	1533.5	405.1	92.0	2044.7	540.1	122.7	2719.4	718.4	163.2	2944.4	777.8	176.7
137	5.39	12.892	3.406	8.0	1160	1160	306.5	69.6	1933.8	510.9	116.0	2578.4	681.1	154.7	3429.3	905.9	205.8			
152	6.00	15.953	4.214	6.3	914	1436	379.3	86.1	2393.0	632.2	143.6	3190.6	842.9	191.4						
Brake Horsepower Required						230.4			384			512.1			681.0 (Continuous work)			737.4		

*Flows are based on 100% volumetric efficiency. Brake Horsepower /Kilowatts Required is based on 90% Mechanical Efficiency.Consult YaLong for continuous service speeds in excess of 288 RPM.
Not all plunger sizes are shown, Additional plunger sizes are available.Please contact YaLong for more details. Standard configuration is a single extended crank, double extending crankshaft please contact YALONG.
Discharge and Suction Connection mode and size please contact YALONG.

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The YALONG Model Q1000 is a single acting quintuplex plunger rated at 1000 HP in continuous duty services .This versatile pump is offered with a variety of material and design options that make it ideal for general industrial, reverse osmosis, and typical applications involved in the production of oil and natural gas.

Specifications

	English Units	Metric Units		Continuous	Intermittent
Stroke Length		178 mm	Rated bhp	1000 HP	
Rated Rod Load	38580 lb	17500 Kg	Maximum Speed	266 rpm	
Pump Weight	9920 lb	4500 Kg	Minimum Speed	90 rpm	
Oil Capacity	44 gal	195 L	Max. plunger size x stroke length.	185x178mm	
Max. Fluid Temp	284 °F	140 °C	Crankshaft extension Dia.x length	180x280 mm	
Mechanical Efficiency		90%	Keyway (width x depth x length)	36x12x270 mm	



Performance Ratings (Volumes indicated are displacement of incompressible fluid)

plunger Dia.		L/RPM	Gal/RPM	Max.Press.		pump speed=75RPM			pump speed=120RPM			pump speed=170RPM			pump speed=220RPM			pump speed=266RPM		
mm	in			Mpa	Psi	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h	LPM	GPM	M³/h
52	2.05	1.889	0.499	80.0	11600	142	37.4	8.5	226.7	59.9	13.6	321.2	84.8	19.3	415.6	109.8	24.9	500.6	132.3	30.0
59	2.32	2.432	0.642	63.0	9135	182	48.2	10.9	291.8	77.1	17.5	413.4	109.2	24.8	535.0	141.3	32.1	644.5	170.3	38.7
66	2.60	3.043	0.804	50.0	7250	228	60.3	13.7	365.2	96.5	21.9	517.4	136.7	31.0	669.5	176.9	40.2	806.5	213.0	48.4
74	2.91	3.826	1.011	40.0	5800	287	75.8	17.2	459.1	121.3	27.5	650.4	171.8	39.0	841.7	222.3	50.5	1013.8	267.8	60.8
83	3.27	4.813	1.271	32.0	4640	361	95.4	21.7	577.6	152.6	34.7	818.2	216.1	49.1	1058.9	279.7	63.5	1275.4	336.9	76.5
94	3.70	6.173	1.631	25.0	3625	463	122.3	27.8	740.8	195.7	44.4	1049.5	277.2	63.0	1358.1	358.8	81.5	1635.9	432.2	98.2
105	4.13	7.703	2.035	20.0	2900	578	152.6	34.7	924.3	244.2	55.5	1309.4	345.9	78.6	1694.6	447.7	101.7	2041.2	539.2	122.5
118	4.65	9.728	2.570	16.0	2320	730	192.7	43.8	1167.4	308.4	70.0	1653.8	436.9	99.2	2140.2	565.4	128.4	2577.9	681.0	154.7
133	5.24	12.358	3.265	12.5	1813	927	244.9	55.6	1483.0	391.8	89.0	2100.9	555.0	126.1	2718.9	718.2	163.1	3275.0	865.2	196.5
149	5.87	15.511	4.097	10.0	1450	1163	307.3	69.8	1861.3	491.7	111.7	2636.8	696.6	158.2	3412.4	901.4	204.7			
167	6.57	19.485	5.147	8.0	1160	1461	386.0	87.7	2338.2	617.7	140.3	3312.4	875.0	198.7						
185	7.28	23.911	6.317	6.3	914	1793	473.7	107.6	2869.4	758.0	172.2									
Brake Horsepower Required						288.8			462.1			654.6			847.1			1020.4 (Continuous work)		

*Flows are based on 100% volumetric efficiency. Brake Horsepower /Kilowatts Required is based on 90% Mechanical Efficiency.Consult YaLong for continuous service speeds in excess of 265 RPM.
Not all plunger sizes are shown, Additional plunger sizes are available.Please contact YaLong for more details. Standard configuration is a single extended crank, double extending crankshaft please contact YALONG.
Discharge and Suction Connection mode and size please contact YALONG.

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Standard Materials of Construction

Standard materials of construction for key components are provided below for material groups A-F. Many options are available, particularly for valves, packing, plungers, and o-ring seals, to meet the needs of special fluids, temperatures, and other requirements. Consult your YaLong representative for more details and for information regarding materials.

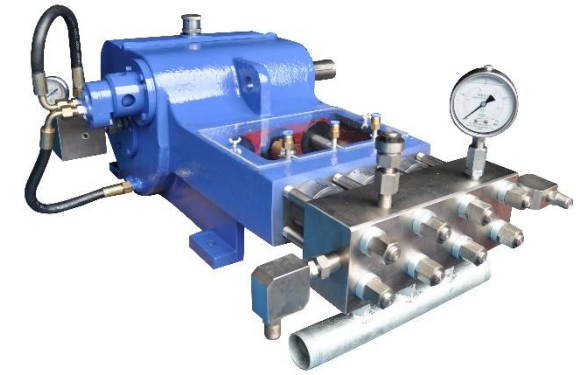
Material Group A: 1045 Carbon Steel		Material Group F: 316 Stainless Steel	
Fluid Cylinder	1045 Carbon Steel with Nickel-Boron	Fluid Cylinder	316L Stainless Steel
Coating		Stuffing Box	316 Stainless Steel
Stuffing Box	420 Stainless Steel	Adjusting Nut	Aluminum Bronze
Adjusting Nut	Aluminum Bronze	Throat Bushing.....	Aluminum Bronze
Throat Bushing.....	Aluminum Bronze	Packing Follower Ring	Aluminum Bronze
Packing Follower Ring	Aluminum Bronze	Lantern Gland	Aluminum Bronze (if applicable)
Lantern Gland	Aluminum Bronze (if applicable)	Top Cover	316 Stainless Steel
Top Cover	420 Stainless Steel	Front Cover.....	316 Stainless Steel (if applicable)
Front Cover.....	420 Stainless Steel (if applicable)	Plunger	Tungsten-Carbide on 304 Steel Base
Plunger	Tungsten-Carbide on Steel Base	Fluid End Studs.....	Alloy Steel, Nickel-Boron Coated
Fluid End Studs.....	Alloy Steel, Nickel-Boron Coated	Fluid End Nuts	Alloy Steel, Nickel-Boron Coated
Fluid End Nuts	Alloy Steel, Nickel-Boron Coated	O-Rings.....	HNBR Rubber
O-Rings.....	HNBR Rubber	Packing.....	Braided Teflon-Kevlar
Packing.....	Braided Teflon-Kevlar	Valve Assembly1	17-4 Stainless Steel
Valve Assembly1	17-4 Stainless Steel	Material Group E: 304 Stainless Steel	
Material Group B: 4140 Alloy Steel		Fluid Cylinder	304 Stainless Steel
Fluid Cylinder.....	4140 Alloy Steel	Stuffing Box	316 Stainless Steel
Stuffing Box	420 Stainless Steel	Adjusting Nut	Aluminum Bronze
Adjusting Nut	Aluminum Bronze	Throat Bushing.....	Aluminum Bronze
Throat Bushing.....	Aluminum Bronze	Packing Follower Ring	Aluminum Bronze
Packing Follower Ring	Aluminum Bronze	Lantern Gland	Aluminum Bronze (if applicable)
Lantern Gland	Aluminum Bronze (if applicable)	Top Cover	2205 Stainless Steel
Top Cover	420 Stainless Steel	Front Cover.....	2205 Stainless Steel (if applicable)
Front Cover.....	420 Stainless Steel (if applicable)	Plunger	Tungsten-Carbide on 304 Steel Base
Plunger	Tungsten-Carbide on Steel Base	Fluid End Studs.....	Alloy Steel, Nickel Boron Coated
Fluid End Studs.....	Alloy Steel, Nickel-Boron Coated	Fluid End Nuts	Alloy Steel, Nickel Boron Coated
Fluid End Nuts	Alloy Steel, Nickel-Boron Coated	O-Rings.....	NBR Rubber
O-Rings.....	HNBR Rubber	Packing.....	Braided Teflon-Kevlar
Packing.....	Braided Teflon-Kevlar	Valve Assembly1	17-4 Stainless Steel
Valve Assembly1	17-4 Stainless Steel	Material Group G: 2205 Duplex Stainless Steel	
Material Group C: Nickel Aluminum Bronze		Fluid Cylinder.....	2205 Duplex Stainless Steel
Fluid Cylinder	C955 Nickel Aluminum Bronze	Stuffing Box	2205 Stainless Steel
Stuffing Box	316 Stainless Steel	Adjusting Nut	Aluminum Bronze
Adjusting Nut	Aluminum Bronze	Throat Bushing.....	Aluminum Bronze
Throat Bushing.....	Aluminum Bronze	Packing Follower Ring	Aluminum Bronze
Packing Follower Ring	Aluminum Bronze	Lantern Gland	Aluminum Bronze (if applicable)
Lantern Gland	Aluminum Bronze (if applicable)	Top Cover	2205 Stainless Steel
Top Cover	316 Stainless Steel	Front Cover.....	2205 Stainless Steel (if applicable)
Front Cover.....	316 Stainless Steel (if applicable)	Plunger	Tungsten-Carbide on 304 Steel Base
Plunger	Tungsten-Carbide on 304 SS Base	Fluid End Studs.....	Alloy Steel, Nickel-Boron Coated
Fluid End Studs.....	Alloy Steel, Nickel-Boron Coated	Fluid End Nuts	Alloy Steel, Nickel-Boron Coated
Fluid End Nuts	Alloy Steel, Nickel-Boron Coated	O-Rings.....	HNBR Rubber
O-Rings.....	HNBR Rubber	Packing.....	Braided Teflon-Kevlar
Packing.....	Braided Teflon-Kevlar	Valve Assembly1	17-4 Stainless Steel
Valve Assembly1	17-4 Stainless Steel		
Material Group D: 420 Stainless Steel			
Fluid Cylinder	420 Stainless Steel		
Stuffing Box	316 Stainless Steel		
Adjusting Nut	Aluminum Bronze		
Throat Bushing.....	Aluminum Bronze		
Packing Follower Ring	Aluminum Bronze		
Lantern Gland	Aluminum Bronze (if applicable)		
Top Cover	420 Stainless Steel		
Front Cover.....	420 Stainless Steel (if applicable)		
Plunger	Tungsten-Carbide on Steel Base		
Fluid End Studs.....	Alloy Steel, Nickel-Boron Coated		
Fluid End Nuts	Alloy Steel, Nickel-Boron Coated		
O-Rings.....	HNBR Rubber		
Packing.....	Braided Teflon-Kevlar		
Valve Assembly1	17-4 Stainless Steel		

Note: 1. Valve materials are typical, however consult YaLong for detailed information if required.
2. YaLong reserves the right to modify the materials shown on this list without notice

The YALONG Model T120 is a single acting triplex plunger pump rated at 120 HP in intermittent duty services . This versatile pump is offered with a variety of material and design options that make it ideal for general industrial, high pressure cleaning, and typical applications involved in the production of oil and natural gas.

Specifications

	English Units	Metric Units		Continuous	Intermittent
Stroke Length		95 mm	Rated bhp		120 HP
Rated Rod Load	9260 lb	4200 Kg	Maximum Speed		405 /500rpm
Pump Weight	926 lb	420 Kg	Minimum Speed		90 rpm
Gear Reduction Ratio	3.652:1 / 2.963:1		Max. plunger size x stroke length.	55x95mm	
Max. Fluid Temp	°F	90 °C	Pinion shaft extension:	50x120 mm	
Mechanical Efficiency		85%	Keyway (width x depth x length)	36x12x270 mm	



Performance Ratings (Volumes indicated are displacement of incompressible fluid)

Reduction ratio i=3.652		In the corresponding rated power output of the maximum pressure （MPa）						Reduction ratio i=2.963		In the corresponding rated power output of the maximum pressure （MPa）									
Input speed=1480rpm																			
Pump Rated speed= 405rpm																			
Plunger Dia.(mm)	rated flow （m3/h）	30kw	37kw	45kw	55kw	75kw	90kw	Plunger Dia. （mm）	rated flow （L/min）	30kw	37kw	45kw	55kw	75kw	90kw				
20	1.8		60	75	95	130	150												
22	2.4	37	46	56	68	85	105	24	60	25	30	38	46	61	75				
24	2.88	31	38	47	57	75	90	26	70	21	26	32	40	53	70				
25	3	30	36	45	55	70	82	28	80	18	22	28	35	48	56				
26	3.42	26	32	40	50	65	76	30	95	16	19	25	30	40	50				
28	3.9	23	28	35	45	59	69	32	105	14	17	22	26	36	45				
30	4.5	20	25	30	38	50	60	35	125	12	15	18	22	30	36				
32	5.1	17	22	26	34	45	50	45	215	7	9	11	13	18	22				
35	6.12	15	18	22	28	36	43	50	265	5.5	7	8.5	10.5	14.5	17.5				
40	8.1	11	14	17	21	28	33	55	321	4.6	6	7	9	12	14.5				
45	10.2	9	11	14	17	24	28												
50	12.9	6.8	8.6	10.5	13	18	21												
55	15.5	5.5	7.4	8.6	11	15	18												

*Flows are based on 100% volumetric efficiency. Brake Horsepower /Kilowatts Required is based on 90% Mechanical Efficiency.Consult YaLong for continuous service speeds in excess of 500 RPM.

Not all plunger sizes are shown, Additional plunger sizes are available.Please contact YaLong for more details. Standard configuration is a single extended crank, double extending crankshaft please contact YALONG.

Discharge and Suction Connection mode and size please contact YALONG.



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The YALONG Model T145 is a single acting triplex plunger pump rated at 145 HP in intermittent duty services . This versatile pump is offered with a variety of material and design options that make it ideal for general industrial, high pressure cleaning, and typical applications involved in the production of oil and natural gas.

Specifications

	English Units	Metric Units		Continuou	Intermittent
Stroke Length		100 mm	Rated bhp		160 HP
Rated Rod Load	12566 lb	5700 Kg	Maximum Speed		332 /418rpm
Pump Weight	1213 lb	550 Kg	Minimum Speed		90 rpm
Gear Reduction Ratio	4.45:1/ 3.54:1		Max. plunger size x stroke length.	30x100mm	
Max. Fluid Temp	°F	90 °C	Pinion shaft extension:	54x138 mm	
Mechanical Efficiency		85%	Keyway (width x depth x length)	12x4.5x87 mm	



Performance Ratings (Volumes indicated are displacement of incompressible fluid)

Reduction ratio i=4.45:1		In the corresponding rated power output of the maximum pressure （MPa）			Reduction ratio i=3.54		In the corresponding rated power output of the maximum pressure （MPa）		
Input speed=1480rpm					Input speed=1480rpm				
Pump Rated speed= 332rpm					Pump Rated speed= 418rpm				
Plunger Dia.(mm)	rated flow (m³/h)	75kw	90kw	110kw	Plunger Dia. (mm)	rated flow (m³/h)	75Kw	90kw	110kw
16	1.2	206	250	280	50	14.76	16	19	24
18	1.5	160	195	207	55	17.82	13	16	19
20	1.8	130	156	180	60	21.24	11	14	16
22	2.2	110	130	150	65	24.9	9.5	11	14
24	2.7	90	110	125					
26	3.1	78	93	107					
28	3.6	67	80	92					
30	4.2	58	70	80					
32	4.8	50	60	70					
35	5.7	42	50	59					
40	7.5	32	38	45					
45	9.48	25	30	35					

*Flows are based on 100% volumetric efficiency. Brake Horsepower /Kilowatts Required is based on 90% Mechanical Efficiency.Consult YaLong for continuous service speeds in excess of 418RPM. Not all plunger sizes are shown, Additional plunger sizes are available.Please contact YaLong for more details. Standard configuration is a single extended crank, double extending crankshaft please contact YALONG. Discharge and Suction Connection mode and size please contact YALONG.



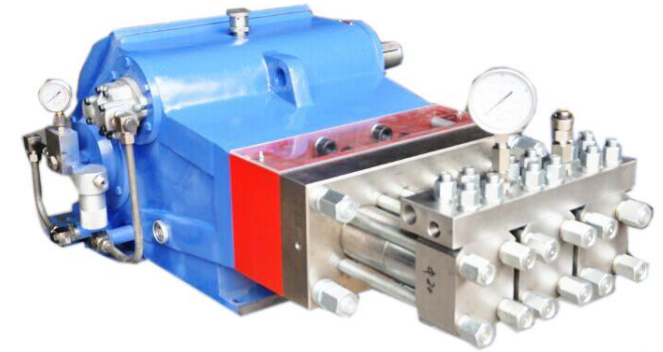
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The YALONG Model T265 is a single acting triplex plunger pump rated at 265 HP in intermittent duty services . This versatile pump is offered with a variety of material and design options that make it ideal for general industrial, high pressure cleaning, and typical applications involved in the production of oil and natural gas.

Specifications

	English Units	Metric Units		Continuous	Intermittent
Stroke Length		120 mm	Rated bhp		268 HP
Rated Rod Load	16090 lb	7300 Kg	Maximum Speed		371 rpm
Pump Weight	1984 lb	900 Kg	Minimum Speed		90 rpm
Gear Reduction Ratio	4.043:1		Max. plunger size x stroke length.	70x120mm	
Max. Fluid Temp	°F	90 °C	Pinion shaft extension:	65x100 mm	
Mechanical Efficiency		85%	Keyway (width x depth x length)	16x6x90 mm	



Performance Ratings (Volumes indicated are displacement of incompressible fluid)

In the corresponding rated power output of the maximum pressure under the MPa				Input 1775rpm Rated speed 439 r/min rated flow		Plunger Dia. mm	Input 1480rpm Rated speed 366 r/min rated flow		In the corresponding rated power output of the maximum pressure under the MPa			
110kw	132kw	160kw	200kw	L/min	m³/h		L/min	m³/h	110kw	132kw	160kw	200kw
147	175	210	265	40	2.4	18	33	1.98	180	210	250	280
120	138	173	215	49	2.94	20	41	2.48	140.0	160.0	207	225
99	120	143	179	60	3.6	22	50	3.00	120.0	143.0	170	186
83	97	120	150	71	4.26	24	60	3.57	100.0	120	144.0	155
70	83	100	125	83	4.98	26	70	4.20	85.0	100.0	123.0	132
60	71	87	104	97	5.82	28	81	4.87	73.0	86.0	100.0	103
52	62	76	94	111	6.66	30	93	5.59	63.0	76.0	93.0	100
						32	106	6.35	56	66.0	82	88
						45	209	12.57	28.0	33.0	40.0	45.0
						50	259	15.51	22.0	27.0	33.0	36.0
						55	313	18.77	19.0	22.0	27.0	30.0
						60	372	22.34	16.0	19.0	23.0	25.0
						65	437	26.22	13.0	16.0	19.0	21.0
						70	507	30.41	10.0	13.0	17.0	19.0

*Flows are based on 100% volumetric efficiency. Brake Horsepower /Kilowatts Required is based on 90% Mechanical Efficiency.Consult YaLong for continuous service speeds in excess of 439 RPM.

Not all plunger sizes are shown, Additional plunger sizes are available.Please contact YaLong for more details. Standard configuration is a single extended crank, double extending crankshaft please contact YALONG.

Discharge and Suction Connection mode and size please contact YALONG.



NANJING YALONG PETROCHEMICAL EQUIPMENT TECHNOLOGY Co.,LTD. (HIGH PRESSURE RECIPROCATING PUMP MANUFACTURER)

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The YALONG Model T335 is a single acting triplex plunger pump rated at 335 HP in intermittent duty services . This versatile pump is offered with a variety of material and design options that make it ideal for general industrial, high pressure cleaning, and typical applications involved in the production of oil and natural gas.

Specifications

	English Units	Metric Units		Continuous	Intermittent
Stroke Length		130 mm	Rated bhp		335 HP
Rated Rod Load	23810 lb	10800 Kg	Maximum Speed		
Pump Weight	1984 lb	1100 Kg	Minimum Speed		90 rpm
Gear Reduction Ratio	3.5:1/ 4.086:1/ 4.619:1		Max. plunger size x stroke length.	75x130mm	
Max. Fluid Temp	°F	90 °C	Pinion shaft extension:	65x100 mm	
Mechanical Efficiency		85%	Keyway (width x depth x length)	16x6x90 mm	



Performance Ratings (Volumes indicated are displacement of incompressible fluid)

Input Speed : 1480rpm					Gear Ratio : 3.5:1	Input Speed : 1776rpm				Input Speed : 1480					Gear Ratio : 4.086: 1	Input Speed : 1776rpm					Input Speed : 1480rpm					Gear Ratio : 4.619: 1	Input Speed : 1776rpm					
Pump Speed : 422rpm						Pump Speed: 507rpm				Pump Speed : 362rpm						Pump Speed : 434rpm					Pump Speed : 320rpm						Pump Speed : 384rpm					
Power	200	220	250			200	220	250	Power	Power	200	220	250			200	220	250	Power	Power	200	220	250		200		220	250	Power	Power	200	220
Rated Flow		Rated Pressure			Plunger Dia. mm	Rated Pressure			Rated Flow		Rated Flow		Rated Pressure			Plunger Dia.mm	Rated Pressure			Rated Flow		Rated Flow		Rated Pressure			Plunger Dia.mm	Rated Pressure			Rated Flow	
L/min	m³/h	(Mpa)				(Mpa)			L/min	m³/h	L/min	m³/h	(Mpa)				(Mpa)			L/min	m³/h	L/min	m³/h	(Mpa)				(Mpa)			L/min	m³/h
41	2.46	250	265	280	18	200	225	255	50	3	35	2.1	280		18	220	250	280	43	2.58	31	1.86				18	250	280		38	2.28	
51	3.06	200	225	255	20	160	175	210	62	3.72	44	2.64	220	250	280	20	180	200	240	53	3.18	39	2.34	250	280		20	210	230	270	47	2.82
62	3.72	160	175	210	22	135	150	175	75	4.5	53	3.18	180	200	240	22	160	170	200	64	3.84	47	2.82	210	230	270	22	175	195	230	56	3.36
74	4.44	135	150	175	24	115	125	150	89	5.34	63	3.78	160	170	200	24	135	150	175	76	4.56	56	3.36	175	195	230	24	150	165	195	67	4.02
87	5.22	115	125	150	26	100	110	125	104	6.24	74	4.44	135	150	175	26	115	125	150	89	5.34	66	3.96	150	165	195	26	125	140	165	79	4.74
100	6	100	110	130	28	85	95	110	120	7.2	86	5.16	115	125	150	28	100	110	125	104	6.24	76	4.56	135	150	175	28	110	125	145	92	5.52
116	6.96	85	95	110	30	70	80	95	139	8.34	99	5.94	100	110	135	30	85	95	110	119	7.14	88	5.28	115	125	150	30	95	105	125	105	6.3

*Flows are based on 100% volumetric efficiency. Brake Horsepower /Kilowatts Required is based on 90% Mechanical Efficiency.Consult YaLong for continuous service speeds in excess of 507 RPM.
Not all plunger sizes are shown, Additional plunger sizes are available.Please contact YaLong for more details. Standard configuration is a single extended crank, double extending crankshaft please contact YALONG.
Discharge and Suction Connection mode and size please contact YALONG.



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Pumping Solutions from Yalong

Yalong is building one of the world's leading reciprocating pump organizations, and we are doing it by raising the traditional standard for value in the industry. We deliver value in a number of ways; through our broad product offering, ability to provide complete packaged solutions, and our worldwide network of sales and support locations. Most important however are our people and the dedication and experience they can bring to your applications. Contact a Yalong representative to learn how we can redefine the definition of value on your next pumping application.



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