

T200 Triplex Power Pump

Yalong's T200 triplex power pumps are offered with fluid cylinders of nickel-aluminum bronze, forged carbon steel or duplex stainless steel. A variety of packing and valve arrangements are available to meet the requirements of any application. The critical components of the power end—crankshaft, connecting rods, crossheads and bearings—are comparatively larger than industry-standard components enabling them to withstand continuous-duty service and harsh operating conditions.



Applications

- Amine-gas sweetening
- Chemical injection
- Crude transfer
- Fracturing-fluid recovery
- Glycol-gas dehydration
- Horizontal directional drilling
- Hot-oil truck injection
- Hydrostatic testing
- Light-hydrocarbon transportation
- Methanol injection
- Municipal jetting
- Oil production
- Polymer flood
- Produced-water disposal
- Pulp and paper
- Reverse osmosis
- Secondary recovery
- Steam-boiler feed
- Steel mill descaling
- Water injection

Specifications

Rated power	200 HP
Stroke length (in./mm)	5.0 127.0
API-674 speed	310 rpm
Maximum speed	400 rpm
Minimum speed	100 rpm
Rated rod load (lb/kg)	11,870 5,384
Weight (lb/kg)	4,486 2,035
Oil capacity (gal/L)	8.0 30.3
Mechanical efficiency	90%



T200 Triplex Power Pump

Performance Ratings

Plunger Size (in.)	Displacement (gal/rev)	Rated Pressure (psi/mPa)	Cylinder Rating	Rated Capacity (gal/min b/d)					
				100 rpm	200 rpm	250 rpm	310 rpm (API-674)	350 rpm	400 rpm
1.250	0.0797	5,000 34.5	H	8.0 273	15.9 546	19.9 683	24.7 847	27.9 956	31.9 1,093
1.375	0.0964	5,000 34.5		9.6 331	19.3 661	24.1 826	29.9 1,025	33.7 1,157	38.6 1,322
1.500	0.1147	5,000 34.5		11.5 393	22.9 787	28.7 984	35.6 1,220	40.2 1,377	45.9 1,574
1.625	0.1347	5,000 34.5		13.5 462	26.9 923	33.7 1,154	41.7 1,431	47.1 1,616	53.9 1,847
1.750	0.1562	4,930 34.0		15.6 535	31.2 1,071	39.0 1,339	48.4 1,660	54.7 1,874	62.5 2,142
1.875	0.1793	4,300 29.6		17.9 615	35.9 1,229	44.8 1,537	55.6 1,906	62.8 2,152	71.7 2,459
2.000	0.2040	3,780 26.1		20.4 699	40.8 1,399	51.0 1,749	63.2 2,168	71.4 2,448	81.6 2,798
2.000	0.2040	3,780 26.1	M	20.4 699	40.8 1,399	51.0 1,749	63.2 2,168	71.4 2,448	81.6 2,798
2.125	0.2303	3,350 23.1		23.0 790	46.1 1,579	57.6 1,974	71.4 2,448	80.6 2,764	92.1 3,158
2.250	0.2582	2,990 20.6		25.8 885	51.6 1,770	64.5 2,213	80.0 2,744	90.4 3,098	103.3 3,541
2.375	0.2877	2,680 18.5		28.8 986	57.5 1,973	71.9 2,466	89.2 3,058	100.7 3,452	115.1 3,945
2.500	0.3187	2,420 16.7		31.9 1,093	63.7 2,186	79.7 2,732	98.8 3,388	111.6 3,825	127.5 4,371
2.625	0.3514	2,190 15.1		35.1 1,205	70.3 2,410	87.9 3,012	108.9 3,735	123.0 4,217	140.6 4,819
2.750	0.3857	2,000 13.8		38.6 1,322	77.1 2,645	96.4 3,306	119.6 4,099	135.0 4,628	154.3 5,289
2.750	0.3857	2,000 13.8	L	38.6 1,322	77.1 2,645	96.4 3,306	119.6 4,099	135.0 4,628	154.3 5,289
3.000	0.4590	1,680 11.6		45.9 1,574	91.8 3,147	114.7 3,934	142.3 4,879	160.6 5,508	183.6 6,295
3.250	0.5387	1,430 9.9		53.9 1,847	107.7 3,694	134.7 4,617	167.0 5,725	188.5 6,464	215.5 7,388
3.500	0.6247	1,230 8.5		62.5 2,142	124.9 4,284	156.2 5,355	193.7 6,640	218.7 7,497	249.9 8,568
3.750	0.7172	1,070 7.4		71.7 2,459	143.4 4,918	179.3 6,147	222.3 7,623	251.0 8,606	286.9 9,836
4.000	0.8160	940 6.5		81.6 2,798	163.2 5,595	204.0 6,994	253.0 8,673	285.6 9,792	326.4 11,191

General Notes

- Capacities shown are based on 100% volumetric efficiency. Actual capacities are lower, based on discharge pressure and fluid compressibility.
- Operating power required by the pump is calculated by the formula: $HP = (psi \times gal/min) / 1,543$, where psi is the actual operating pressure in psi units, and gal/min is the actual pumping capacity.
- API-674 and NACE-compliant designs are available upon request. Contact a Yalong representative for specific details and exceptions to these standards.
- Standard plunger sizes are shown, however, other sizes are available upon request. Contact a Yalong representative for performance and pressure ratings.
- Contact a Yalong representative for assistance with pump selection on applications where actual operating inlet pressures are greater than 10% of the rated discharge pressure of the selected pump model.
- For operation below 100 rpm, an auxiliary power end lubrication system is required.
- Spherical valves are required for plungers above 3.75 in.

Technical Support

Sales@jspump.com
pumps-api674.com
+86-13951858681