

IMMERSIBLE SUMP PUMP



TNJ Series

Application

1. Mainly used to absorb, to transmit or to water the river mud, and fodder pulp, and used to flood water drain, to store the river mud as fertilizer, and to be a mobile rural fire pump.

2. Applied in Municipal, Chemical, Printing and Dyeing, Pharmaceutical, Shipbuilding, Foundry, food and other industries, to absorb the flowing thick liquid, sludge, dirty liquid, paste liquids, flowing sand and urban river mud, to discharge the liquid containing small gravel mud in mining industry.

3. If equip with high pressure pump and water gun, to be a hydraulic mechanized earthmoving machine, to level the ground, to drill the rivers and ponds as well as small ponds of water conservancy projects, or the city's air defense engineering and underground engineering.

4. Used to clear and increase oxygen the fish pond.



Specification Data

Model	Flow (m ³ /h)	Head Lift (m)	Eff (%)	Power (kW)	Rotation (r/min)	Pump G.W (kg)	Pump Size (mm)
TNJ50-8	20-30	8-9	42	1.5	1450	63	1310
TNJ50-12	25-38	12-14	41	3		80	
TNJ65-15	50-60	15-18	42	5.5		152	1430
TNJ76-9	50-70	9-10	59	3		80	1330
TNJ100-7	80-100	7-8	43	4		85	1340
TNJ100-11	80-120	11-13	56	7.5		145	1430
TNJ100-15	80-100	15-17	61	15		270	1510
TNJ150-11	100-150	11-13	66	18.5		350	1690
TNJ150-15	120-180	15-20	65	22		390	



THONG FATT JAYA MACHINERY HARDWARE SDN. BHD.

同發機械五金有限公司 (176024-V)

775-779, Jalan Kuala Kangsar, Taman Tasek Jaya, 31400 Ipoh, Perak, Malaysia.
Tel: 00-605-5468 659, 5458 751, 5479 196, 5458 107
Fax: 00-605-5482 282, 5474 753
Email: sales@thongfattjaya.com.my
Website: http://www.thongfattjaya.com.my

Structure

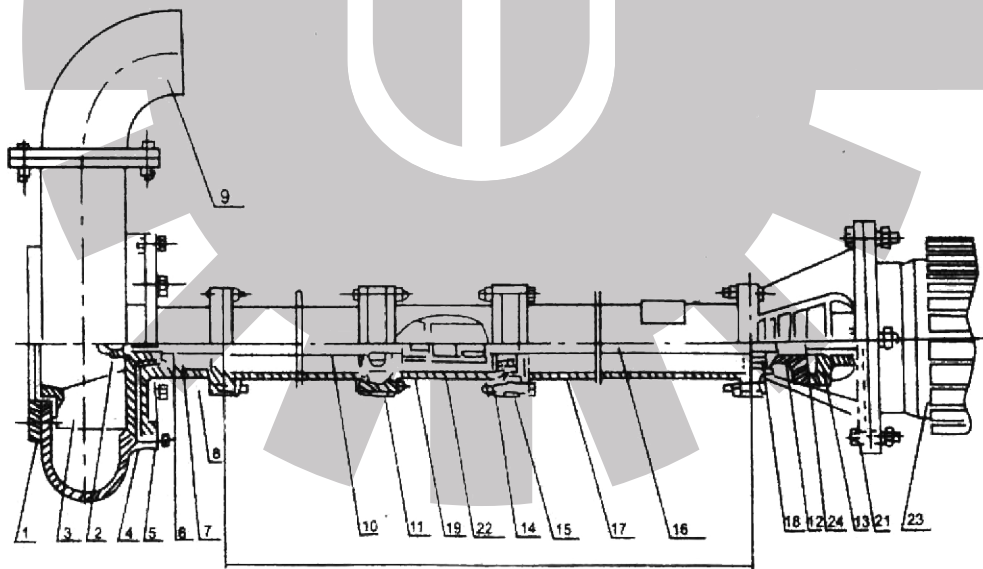
The pumps are single stage and single suction vertical centrifugal pump. The liquid flow out along with the direction of 70° axis shaft. The main components are volute, impeller, pump base, pump housing, support tube, motor base, motors, etc. Volute, pump base, motor base, impeller, and impeller nut are made by iron castings, with good wear resistance and corrosion resistance; the processing technology is convenient.

The impeller is three piece single round bend leaf, is a semi-enclosed impeller, adopt malleable iron, with high strength, corrosion resistance, easy processing, and good flow capacity.

To reduce weight, the shaft is made from high quality carbon steel, cold-drawn round steel.

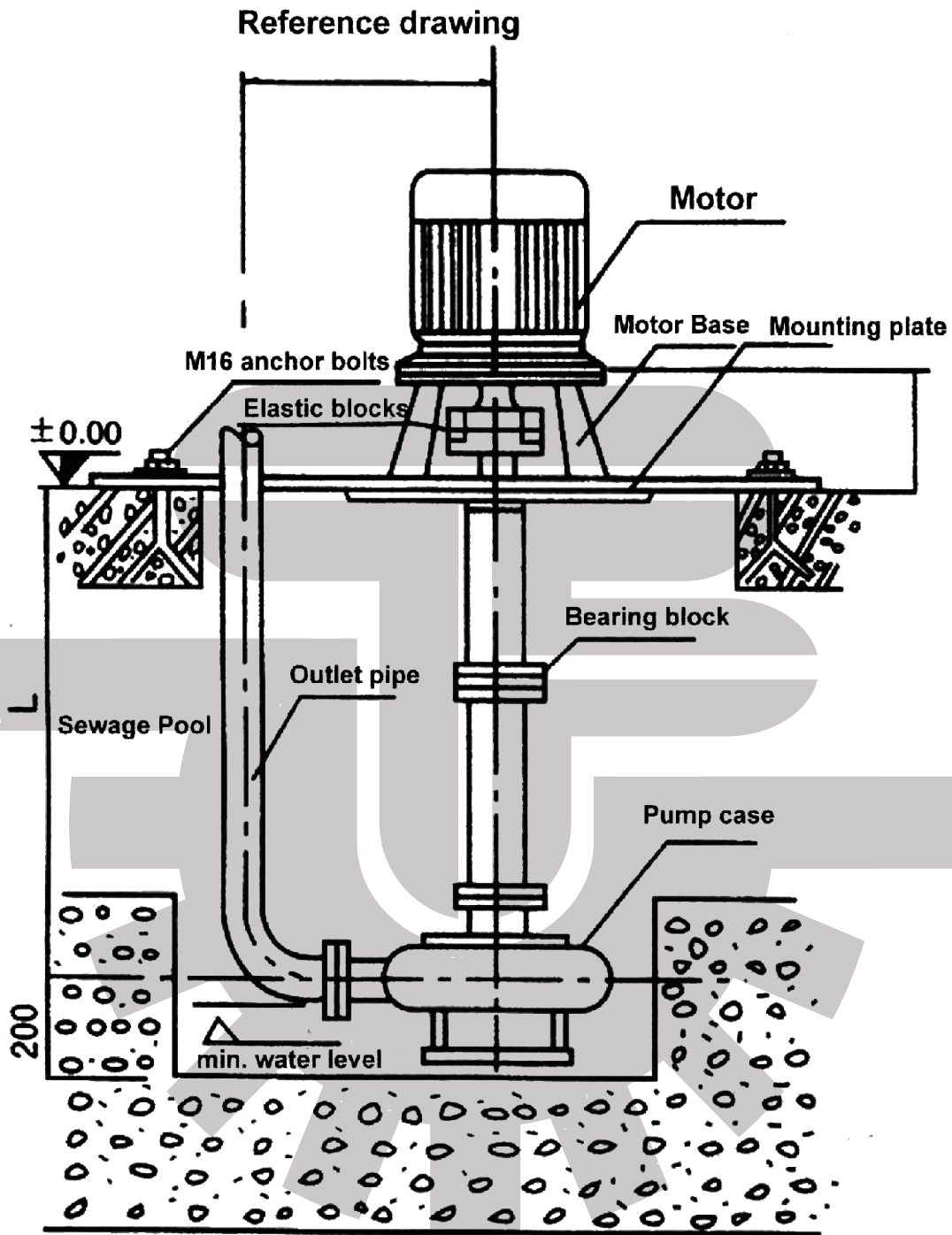
Pump housings fitted with four skeleton oil seal and bushing, to prevent shaft wear and extend the life of the shaft.

The pump can be vertical or inclined to use, small footprint; when running. the volute should be placed in the medium; easy to start, don't need draw water, watching from the end of motor, it is clockwise work.



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|-------------------|--------------------|-------------------------|--------------------|
| 1. Mesh Enclosure | 7. Oil Seal | 13. Driven Couping | 19. Driven Couping |
| 2. Impeller Cap | 8. Bearing Shaft | 14. Connecting Cylinder | 20. Motor Base |
| 3. Impeller | 9. Effluent Elbow | 15. Bearing Base | 21. Motor Base C |
| 4. Pump Case | 10. Pump Spindle | 16. Connecting Spindle | 22. Driven Couping |
| 5. Pump Base | 11. Bearing | 17. Support Cylinder | 23. Motor |
| 6. "O" seal ring | 12. Driven Couping | 18. Bearing Cover | 24. Elastic blocks |

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INSTALLATION DIAGRAM