

Axial machines.

Additional pipe pressure.

Applications

Axial machines pump large capacities of clean water, river water, pre-cleaned waste water and storm water, service water and cooling water or activated sludge to small heads.

Tube well pumps are directly installed in the discharge pipeline in vertical or in inclined position. In order to do this exact planning documents are required which are worked out by our experts.

- Submersible compact unit for clean and raw water, river water, pretreated muddy water and sewage (free from coarse and long fibrous matter), activated sludge, industrial and cooling water etc.
- Wide range of duties. Best characteristics and adaptation to modified system conditions by adjustable axial propeller.
- High safety of operation and good efficiencies.
- Space and cost saving underground civil engineering
- Minimal service and maintenance cost. Screwless installation into steel or concrete pipe
- Low noise level in operation.
- Driven by dry, 3 phase A.C., asynchronous motor, pressure water-proof, insulation class F, for all usual electric systems. Surface cooled.
- Common shaft for pump and motor. Permanently lubricated, long-life anti-friction bearings requiring no maintenance.
- Shaft seal of treatment plant design. Two highly wear resistant mechanical shaft seals entirely made of silicon carbide with oil chamber in between.



· Axial machine KPR 500



· Axial machine KPR 340

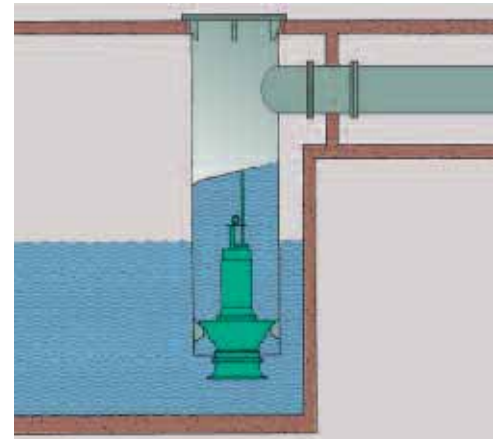
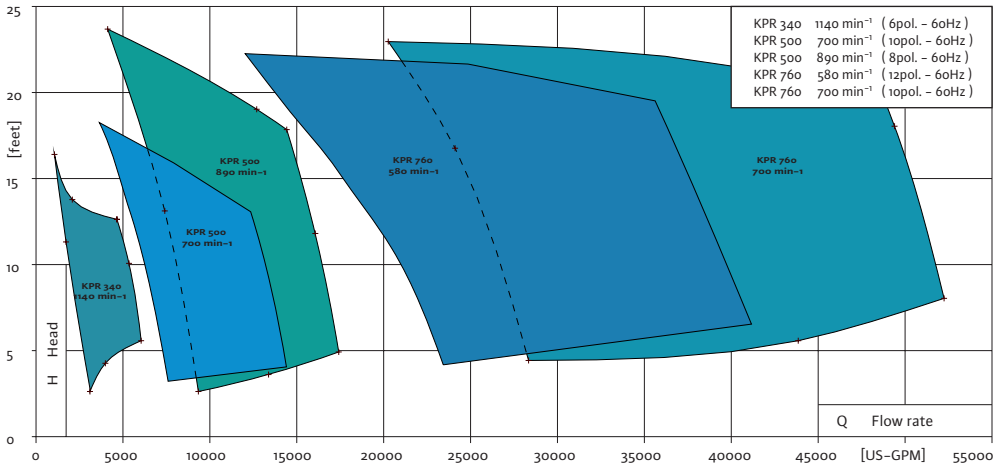


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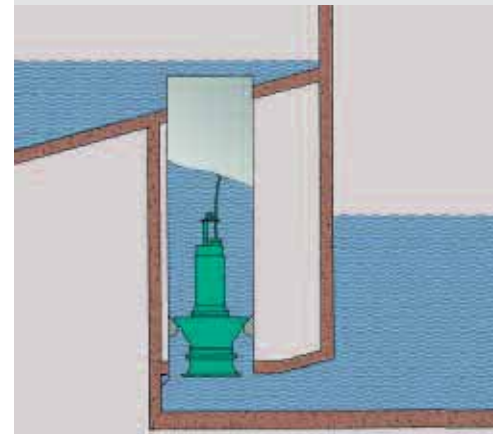


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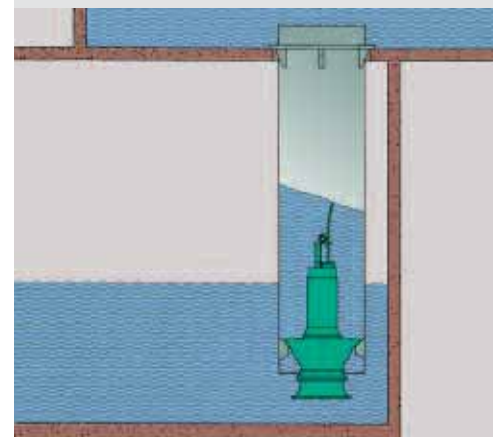
Vertical or inclined installation.



· Installation example A



· Installation example B



· Installation example C

Axial pump		KPR 340	KPR 500	KPR 760
Frequency	Hz	60	60	60
Speed	RPM	950-1450	740-890	585-700
Rated Power	HP	6.1 - 50	26-110	109-382
Flow Capacity	pgm	1585	8560	1280 - 20.6
Head Range	ft	1-20	1.34 - 26.77	26.77
Weight Pump+Motor	lb	661 - 829	1596 - 2048	5124 - 6900
Propeller diameter	in	13.4	19.7	29.9
Material of blades		316 SS	316 SS	316 SS
Blades adjustable		x	x	x
Sewage Plant Design		x	x	x
Tube inside diameter	in	27.44	31.38	1100
Ball passage	in	3.3	4.3	5.1
Temperature control		x	x	x
Moisture control		x	x	x
Ceramics coating Ceram		o	o	o
Special painting		o	o	o
Pump with reactive anodes		o	o	o
Seawater design		o	o	o

x = Standard design o = Special design



Pumpen Intelligenz.

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