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Service and Support - Franklin Electric is the leading manufacturer of world-class pumping system solutions providing the highest quality, availability, service, innovation and value in the industry. Backed by unsurpassed expertise throughout Africa, these leading brands are ideal for various pumping applications.



Axial flow pumps

The Tsunami range of axial flow pumps are engineered to lift large volumes of water from rivers and irrigation channels.







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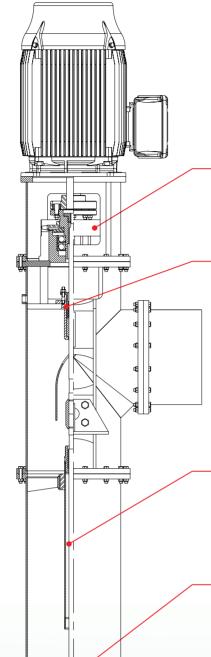


Features

- Low cost installation with minimal civil requirements
- Permanently submerged turbine
- Motor can be positioned well above the flood level
- No valves or non-return valves required
- No priming required
- · Self-flushing
- High efficiencies
- · Low load starting conditions
- Varying head conditions result in small variations in flow
- Range of materials of construction to suit various conditions
- Heavy-duty thrust assembly coupled either with a Hardy Spicer shaft or a right-angled gear drive
- Stainless steel shafts, impellers and impeller rings as standard materials of construction
- · Simple and reliable.

Capabilities

The range of Tsunami axial flow pumps is capable of flows up to 2600 litres per second. Discharge head capabilities range from 1 to 110 metres.



Thrust assembly

Single or double thrust assemblies ranging from 65mm to 130mm with lubrication by means of greased bearings or oil bath.

Stuffing box

Fitted as standard with a cotton graphite packing arrangement with the option of a mechanical seal.

Enclosed shaft arrangement

This option is used to protect the rotating assembly when heavily silted liquid needs to be pumped. Shaft lubrication may be by means of oil lubrication using an oil drip-feed tank or via externally supplied gland service water

Open shaft arrangement

This option is used where particle free liquid needs to be pumped and incorporates EN57 standard shafting, with special alloys available on request.

Diffuse

Engineered to improve the flow pattern into the intermediate columns.

Impeller ring

Standard option is 316 stainless steel for the 200 to 600NB pumps and mild steel for the 900NB, with 316 stainless steel being optional.

Impeller

All impellers are supplied in 316 stainless steel, with aluminium-bronze as an option on the smaller pumps. The impellers range from a 4 blade up to an 8 blade on all pump models.

Intake

Designed with cross members to reduce vortices and shaped to improve flow characteristics.



As one of South Africa's largest pump manufacturers, Franklin Electric employs dedicated engineers to focus on the results of local and global research in the theory and practical application of axial flow pump technology. The pumps are wholly manufactured in South Africa. A comprehensive range of spare parts are stocked and expert service backup is readily available.

Efficient and Flexible

Standard, interchangeable components to suit any configuration and a full range of impellers greatly contribute to the flexibility of the Tsunami. Efficient at varying water levels, the pump's power unit remains at low load, even when pumping in full flood.

Applications

- · Transfer of large volumes of water at relatively low heads
- · Aqua-culture and other marine industries
- · Effluent recycling within sewage works
- · Features in water parks
- · Backwash water from filters
- Water harvesting from rivers and dams
- Product transfer in process plants
- Flood irrigation.

Versatility

The Tsunami axial flow range can be configured for installation in horizontal, inclined or vertical applications.











