

FLOATING PUMP

US. PATENT # 6755.623



APPLICATIONS

- ✓ Irrigation for agriculture and related industries like: African oil palm plantations, sugar mills, rice plantations, etc.
- ✓ Water pumping for aquaculture projects such as shrimp farms, tilapia, etc.
- ✓ Flood control in difficult geographic areas and emergency management.
- ✓ Utility water and sewage management for towns and cities.
- ✓ Any other applications where large volumes of water need to be pumped.

ADVANTAGES

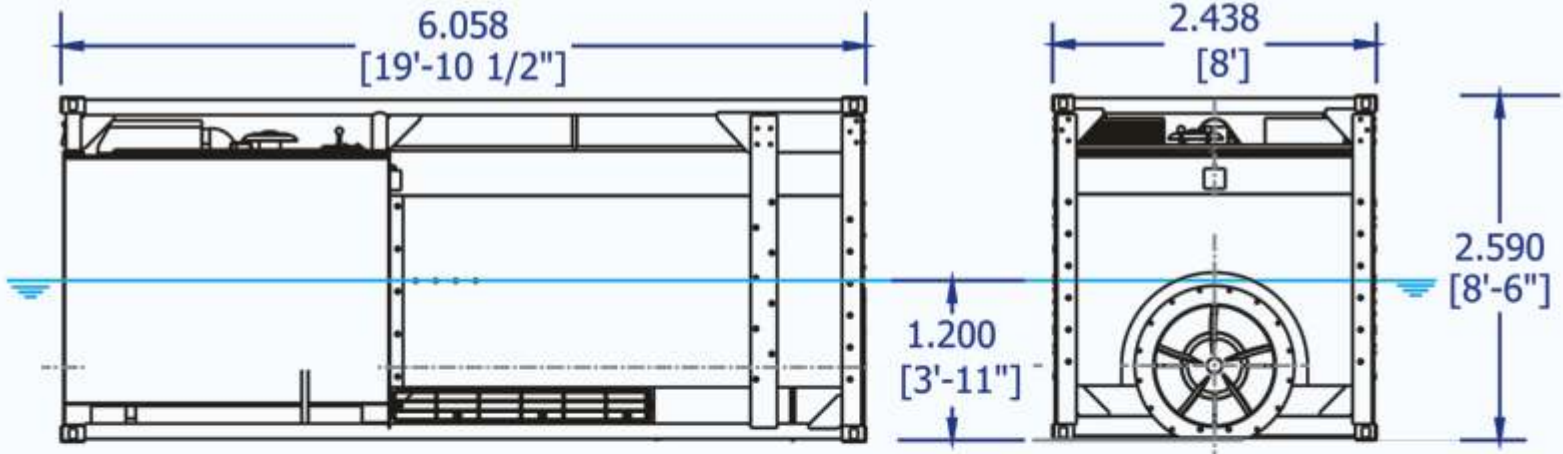
- ✓ No infrastructure required for installation.
- ✓ Fast installation and start-up.
- ✓ Simple relocation of equipment to different pumping zones.
- ✓ Intake water is of highest quality possible due to surface suction.
- ✓ Constructed with lightweight high resistance materials with low-cost and simple maintenance in mind.
- ✓ Impervious to adverse operating conditions like strong currents, foreign materials, etc...
- ✓ Construction materials and design conceived for durability while continuously operating in adverse environments (salt water, high presence of solids, etc).
- ✓ Flexible coupling and discharge pipe in HDPE (high density polyethylene) to absorb fluctuation in the water's level during operation.

ESP-GCO-016 - Publication Date: OCT / 2005 - Specifications subject to change without previous notice.



CONSTRUCTION FEATURES

- ✓ The floating pump is a fully containerized unit having the same dimension and structural characteristics as a 20 ft container (stainless and naval steel construction with 4" pipes and 6"x6"x1/4" angle-beams).
- ✓ Water exposed elements built with ASTM131 naval steel meeting ASME guidelines.
- ✓ Water lubricated stainless steel shaft with interchangeable sleeves and protection tunnel (oil immersed shaft through special order).
- ✓ Streamlined impeller blades for maximum efficiency in 304 stainless steel construction.
- ✓ Wear band protects pump element from impeller induced wear.
- ✓ Closed-cell flotation chambers filled with low density polyurethane insures flotation.
- ✓ Suction protected by a solids control screen.
- ✓ Pumping system available with diesel or electric engines.
- ✓ Keel-cooler type heat exchanger for diesel versions.



GENERAL SPECIFICATIONS

Impeller diameter		24"	30"	36"	42"	48"
Flow Rate	GPM	19,000	30,000	40,000	57,000	79,000
	LITERS/SEG	1,200	1,850	2,250	3,600	5,000
Impeller Speed (RPM)		900	720	600	515	450
Minimum Submergence		1,30	1,30	1,40	1,50	1,50
Maximum Dynamic Head (TDH)	MTS	12,50	12,50	12,50	12,50	12,50
	FEETS	41	41	41	41	41

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