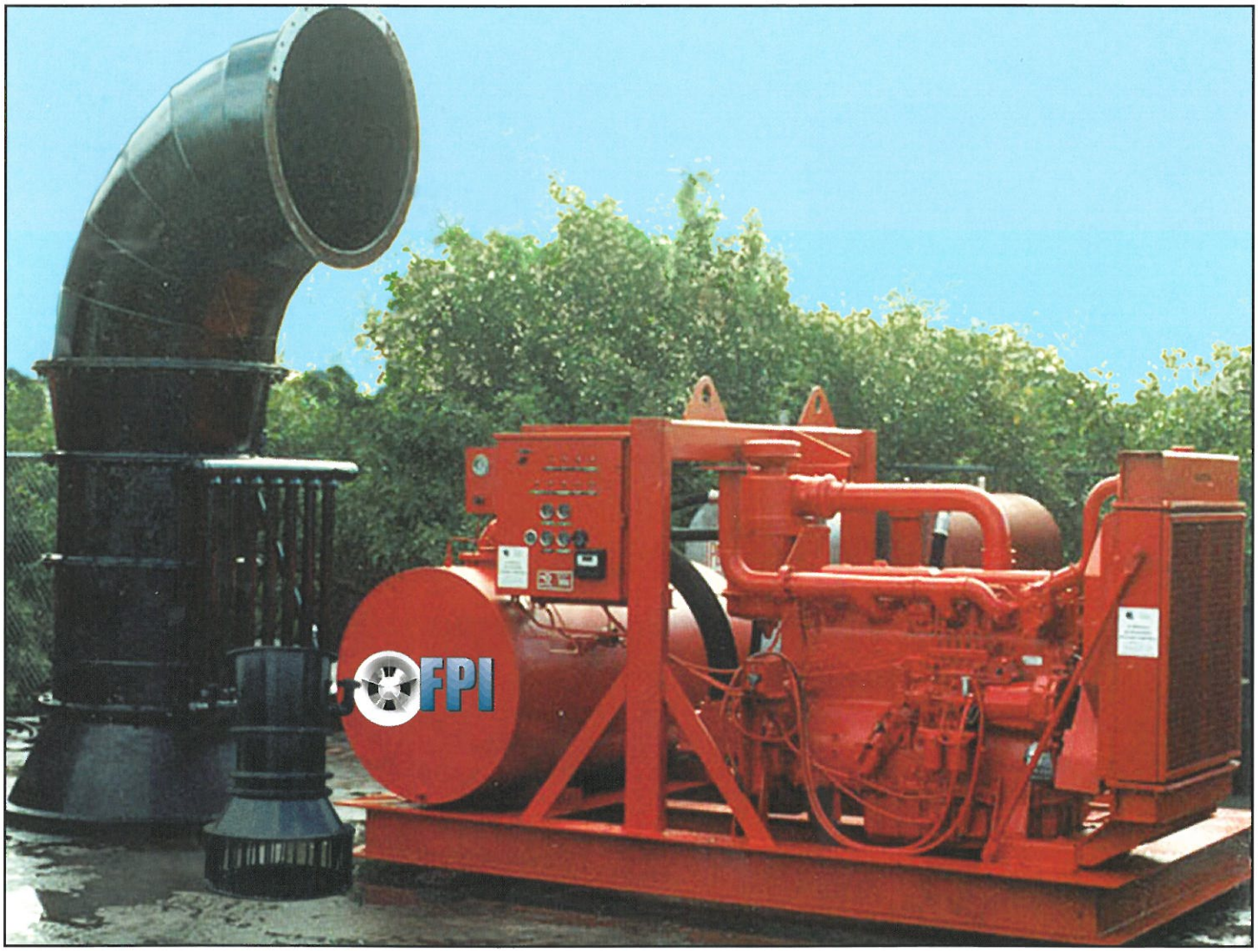
FPI

Propeller Pumps Since 1937

- *Flood Control*
- *Construction*
- *Agriculture*
- *Municipal*
- *Aquaculture*

PORTABLE AXIAL FLOW PUMPS

8 To 72 Inch Diameter Pumps, Hydraulically Driven



FOR HIGH VOLUME PUMPING AT LOW TO MEDIUM HEADS

FPI has been producing axial flow pumps of unsurpassed workmanship for more than six decades

Member of: Hydraulic Institute

ANSI-RAB QMS ACCREDITED · IMS International Management Systems · I.S.O. 9001 CERTIFIED

FPI PORTABLE PUMPS

Our Portable Axial Flow Pumps share the same highly efficient four bladed propeller and top quality component material of the industry standard FPI Line Shaft Pumps. Portable axial flow pumps are hydraulically driven and offer advantages over conventional pumps, the foremost being the lack of civil works needed for installation, and ability to position the pump head far from the power unit. Initial installation and any subsequent movements are then quick and inexpensive.

The axial flow pump head is driven by a hydraulic power unit made with the most durable and efficient components available. The hydraulic pump is driven from a diesel, electric motor, or combination drive source. The power unit can be either trailer or skid mounted together with the hydraulic control valve system, oil reservoir, hydraulic oil filter and high capacity fuel tank.

275 HP PORTABLE HYDRAULIC POWER UNITS WITH 30" DIA. HYDRAULIC PUMPS AND PIPING READY FOR SHIPMENT

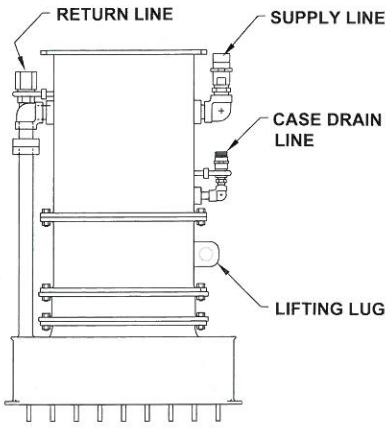


FIGURE (1) OUTLINE DRAWING

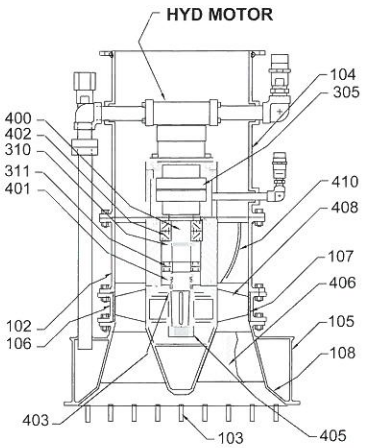
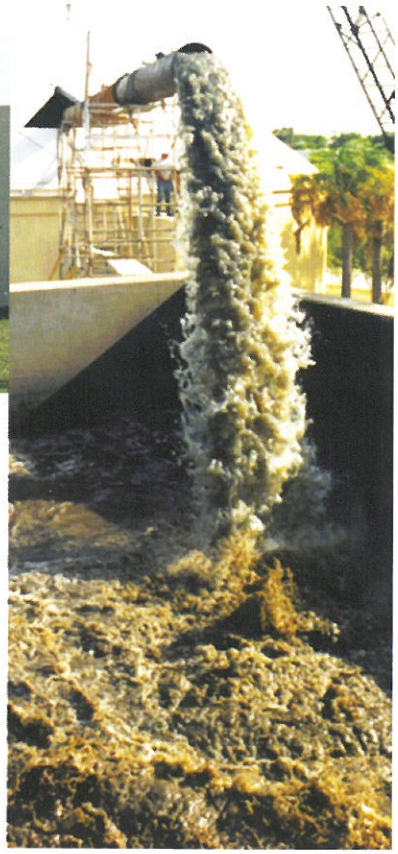


FIGURE (2) CROSS SECTION DRAWING

102	DISCHARGE BOWL
103	BAR SCREEN (OPTIONAL)
104	ASSEMBLY HOUSING
105	HYD. COOLER (OPTIONAL)
106	IMPELLER RING
107	IMPELLER RING LINER
108	SUTION BELL
305	FLEXIBLE COUPLING
310	BEARING LOCK NUT
311	GUIDE BEARING
400	PUMP SHAFT
401	MECHANICAL SEAL
402	THRUST BEARING
403	SAND RESTRICTOR RING
405	IMPELLER LOCK NUT
406	GUIDE VANE
408	IMPELLER
410	DIFFUSER VANE

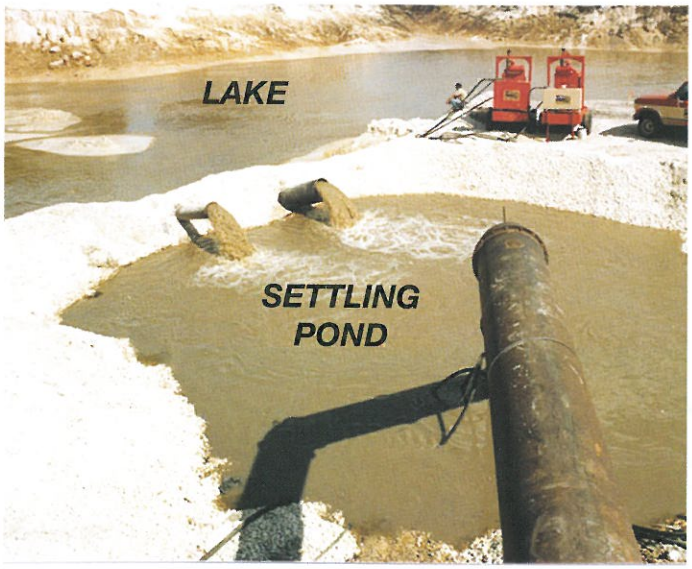
PUMP HEAD CROSS SECTION
MAJOR COMPONENT DESCRIPTION

AXIAL FLOW
HYDRAULIC PUMP HEAD



EMERGENCY RAW SEWAGE TRANSFER APPLICATION

20 Inch 12000 GPM Portable Axial Flow Pump used to transfer raw sewage from holding tank after plant failure. pumping system remained on line 24 hours a day for over a week while repairs were completed.



Three FPI Portable Axial Flow Pumps used in lake construction for a large housing project. the water is lifted in two stages due to the high head and to allow settling of the water before being pumped off site.

LAKE CONSTRUCTION AND DEWATERING OPERATION

FPI PUMPS

FPI Hydraulic and Direct Driven Pumps are custom designed and built to your specifications. These pumps are engineered to handle large volumes at maximum efficiency to assure you of the lowest operation cost. The construction is extra heavy to provide reliable service even under the toughest kind of pumping conditions.

65 YEARS OF EXPERIENCE

Serving Agriculture, Industry and Municipalities since 1937. The design of our Portable Submersible Pumps is the result of more than half a century of specialized experience in the pump industry. To insure the quality and performance our customers expect and get, FPI pumps are engineered and built to order.

TEST FACILITIES

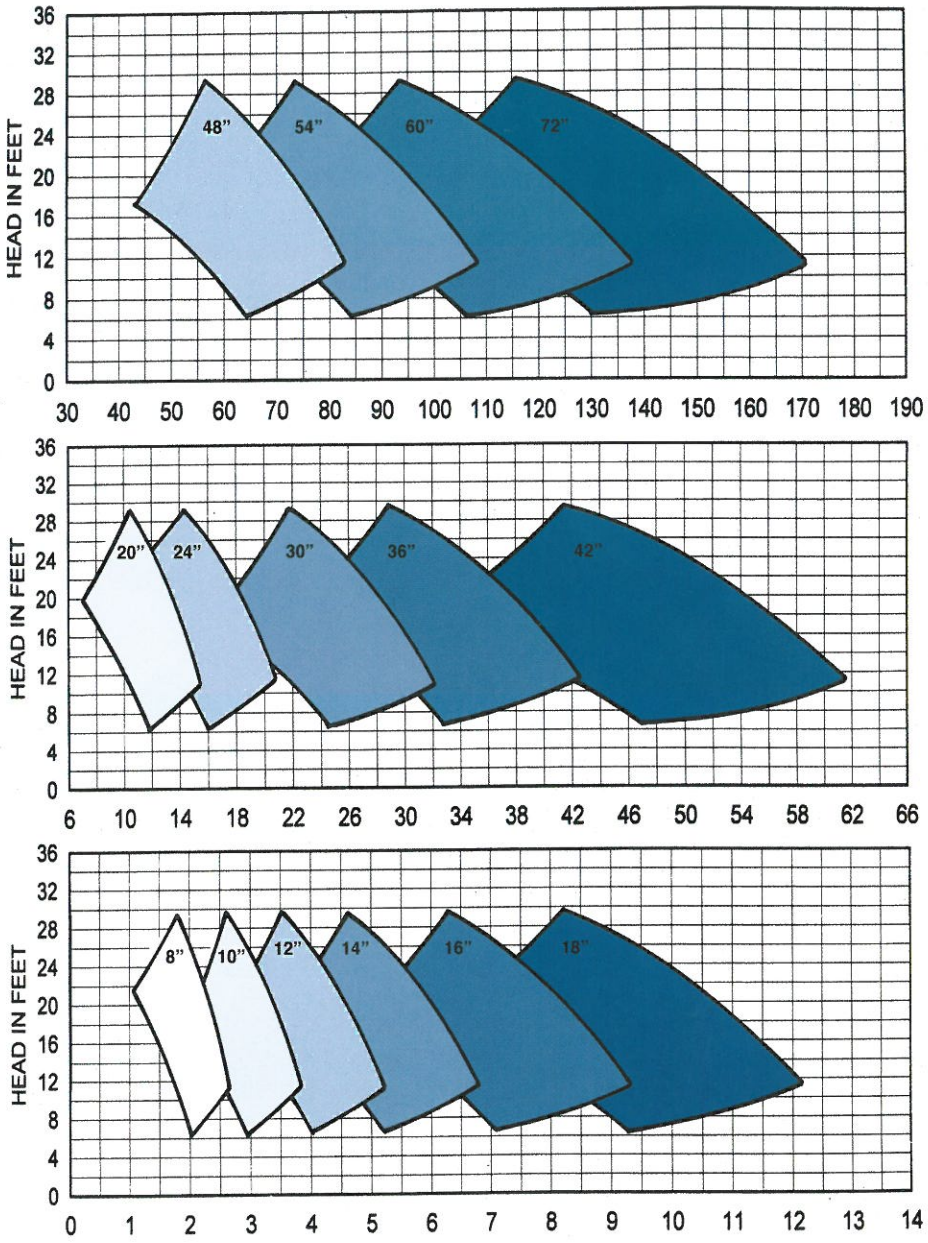
State of the art facilities capable of testing at capacities up to 60000 gpm. Larger pumps are model tested per the Hydraulic Institute standards.

TYPICAL APPLICATIONS

- FLOOD CONTROL
- IRRIGATION
- DRAINAGE
- AGRICULTURE
- AQUACULTURE
- CONSTRUCTION DEWATERING

CURVES SHOW APPROXIMATELY THE CHARACTERISTICS WHEN PUMPING CLEAR COLD WATER

AXIAL FLOW PUMP RANGE CHARTS



GALLONS PER MINUTE
IN THOUSANDS

FPI
Propeller Pumps Since 1937

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