

AXIAL FLOW PUMPHEAD

The Axial Flow pumphead is the pumphead of choice when pumping large volumes of “clear” water at maximum heads of 25 feet. Whether your needs are flood control, field irrigation, or moving large volumes of water, rely on D & D Axial Flow pumpheads for maximum performance.

The Axial Flow (propeller) pumphead moves water in a straight line with the axis of the pumphead casing. Liquid is drawn into the suction bell and pushed out the discharge with minimal friction and no change of direction. Axial pumpheads can be mounted either vertically, horizontally, or adapted to discharge at various angles.

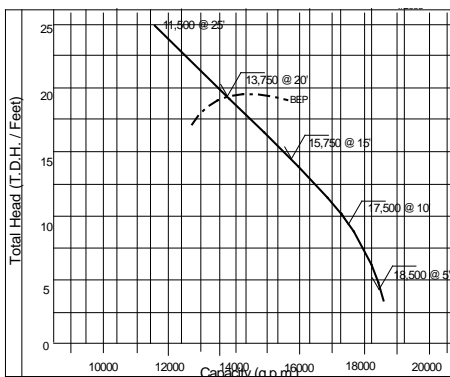
The advantage of D & D designed Axial Flow pumpheads is infinite water flow, which is not possible when using conventional systems. In addition, the hydraulic motor and piping are incorporated into the suction bell resulting in an uninterrupted discharge flow.

Complete Axial Flow systems are available with heavy duty hydraulic power units manufactured exclusively by D & D. Available in either trailer or skid mount, D & D power units can be custom designed to fit any application.

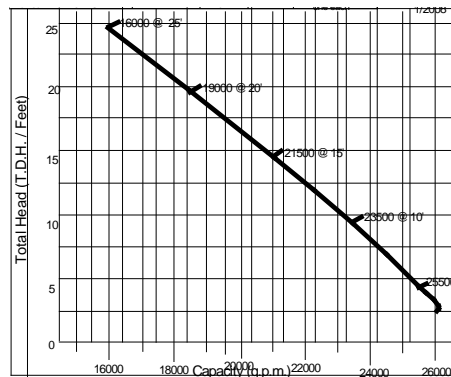


Axial Propeller

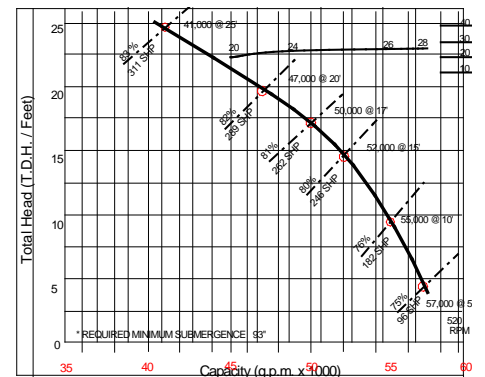
24" AXIAL PUMPHEAD



30" AXIAL PUMPHEAD



42" AXIAL PUMPHEAD



AXIAL FLOW PUMPHEAD SPECIFICATIONS						
Size	Weight lbs. / kg.	Volume ft ³ / m ³	Capacity@ 5'/1.5 m g.p.m / m ³ s	Hydraulic Oil GPM Required	Power Unit Series	B.H.P. @1800 rpm
8" AX	95 / 43	6.3 / .178	1,500 / .095	10	60	18
10" AX	164 / 74	8.4 / .238	3,000 / .189	12	100	22
12" AX	285 / 129	12 / .34	5,300 / .334	22	250	40
14" AX	345 / 156	18.8 / .532	7,750 / .489	44	400	60
16" AX	528 / 240	26.7 / .756	10,250 / .647	44	400	60
20" AX	775 / 352	44.5 / 1.26	15,750 / .994	61	600	100
24" AX	925 / 420	62.8 / 1.78	18,500 / 1.17	96	800	192
30" AX	1,500 / 680	77.8 / 2.2	25,500 / 1.61	115	900	228
42" AX	1,750 / 794	192.7 / 204.4	57,000 / 3.6	237	1,500	475
Consult factory for specific applications.						

WHY HYDRAULIC AXIAL FLOW PUMPHEADS??

- Easy to Use
- No Belts or Pulleys
- Can Run Dry
- No Priming Required
- Easy to Setup
- Remote Power Source
- Self-Monitoring Safety Shutdowns
- Will Pump Extreme Volumes of Water



STANDARD FEATURES AND BENEFITS

- **Special Hydraulic Motor**
Provides Bearing Lubrication
- **Cast Steel Carrier Tube**
Oil Bath Bearing Lubrication
- **316 Stainless Steel Pumpshaft**
Longer Pumphead Life
- **Two Sets of Tapered Roller Bearings**
Handles Thrust Loads
- **Replaceable Stainless Steel Wear Ring**
Field Replaceable
- **Cast Bronze Propeller (Stainless Steel optional)**
Uniform Performance
- **Lifting Eye**
Easily Setup or Moved
- **Self-Cleaning Inlet Screen**
Keeps Out Debris
- **Spin-on Hydraulic Connections**
Fast Setup
- **Motor in Suction Bell**
No Wasted Horsepower

APPLICATIONS

- Flood Control
- Boat Locks
- Shrimp Farms
- Stock Watering
- Water Treatment
- Field Flooding
- River Bypass
- Field Drying
- Dry Docks
- Irrigation
- Cofferdams
- Cooling Ponds
- Fish Pumping
- Lake Drainage

Axial Flow Pumpheads are available in sizes 12" through 144" diameter.

D & D MACHINE & HYDRAULICS, INC.

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