Series 50 Bare Shaft Pumps



For Maximum Water Blasting Productivity

The Power Inside Every Pumping Unit!

The key to Aqua-Dyne's long pump life and hundreds of hours of trouble-free operation are low load packing, special filtration, a closed loop non-drip cooling and water lubrication system for alumina ceramic or tungsten carbide plungers.

The individual lightweight suction and discharge manifolds are easily removed for routine maintenance, and field changing the packing or plungers takes five minutes with no special tools required.

Unique "Valve-In-Line" Fluid End

Unique "Valve-In-Line" Fluid Ens design provides higher volumetric efficiency for increased productivity & lower operating costs.

Superior design of the Fluid End delivers up to 15% increase in productivity, higher volumetric efficiency, lower maintenance, quick packing changes and low initial cost over conventional fluid ends available.

Specifications

Rated Power Up to 50 hp (37 kw)
Number of Cylinders 3
Plunger Stroke 1.97" (50mm)
Plunger Load 3,800 lbs (1724 kg)
Oil Capacity 1 Gallon (3.8 L)
Pump Weight 130 lbs (59 kg)

Fluid End

Fluid End - Stainless Steel is standard

Valve & Seats - High strength stainless steel in-line valve system. All valves may be reconditioned by surface grinding.

Plungers - Non-scoring ceramic.

Packing - V-Rings of advanced polymer material are self-adjusting, giving long service when used when used with non-scoring ceramic plungers.

Lubrication - Plungers and packing are lubricated by fluid from manifold.

Manifold - Light-weight modular manifold is easily removable for simple maintenance.

Power End

Power Frame - High strength aluminum casting with sturdily ribbed wall sections.

Crankshaft - High strength ductile iron, may extend from either side.

Crankshaft Bearings - Heavy duty taper roller bearings. **Crossheads** - Cylindrical type-high strength alloy castings. Crosshead wristpins are hardened & ground steel. Extension rods are highly polished stainless steel.

Lubrication - Power end parts are splash lubricated. **Connecting Rods** - High strength, solid section, ductile iron

Oil Wiper Seals - Sealed lubricating polymer.



Series 50 Specifications

