

DYNASET HSP

Hydraulic Submersible Pump

Dynaset HSP Hydraulic Submersible Pump converts the hydraulic power of a mobile machine into high volume pumping power. HSP produces from 800 l/min up to 20 000 l/min water flow depending on the model. Compact size, rugged and durable design enable the HSP to pump even mud or water containing solid substance such as rocks.

ADVANTAGES

Productivity

HSP Hydraulic Submersible Pump has a high efficiency and a better power to size ratio compared to traditional electric pumps. Having the it on a base machine increases its productivity and net worth. The HSP is compact, much smaller than traditional electric pumps seen in work sites but also much more powerful. Draining excavations can be done much faster with its high volume output. Also the handling is better and thus the work flow is more efficient. It is a worry free pump which can handle mud, rocks and other substances without clogging, and can even run dry.

How Does The Dynaset Hydraulic Submersible Pump Work?

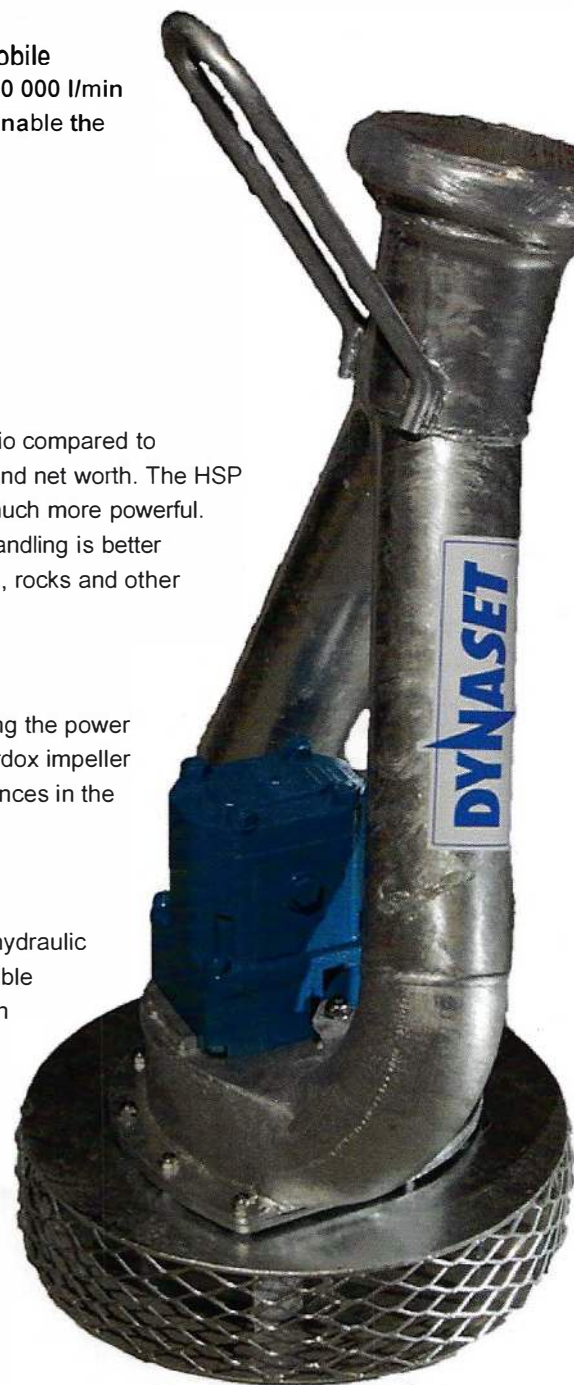
HSP Hydraulic Submersible Pump produces a high volume water pumping power using the power from the base machine's hydraulic system. This hydraulically driven slurry pump's Hardox impeller creates a powerful pumping action. The impeller is designed to withstand solid substances in the pumped water and chop hay and rootstocks.

Clean Technology

Dynaset HSP Hydraulic Submersible Pump is eco-friendly. The HSP operates with a hydraulic motor instead of a large electric motor which is commonly used in traditional submersible pumps. HSP does not require any electricity or any additional fuel. Thanks to the clean technology of hydraulics there are less emissions and natural resources consuming equipment at worksites. The rugged design and low maintenance structure make the product long lasting with no wearing parts.

Features & Benefits

- Up to 20 000 l/min
- Versatile, easy to move
- Light weight
- High efficiency
- Robust and simple design
- Tolerates solids and abrasive substances
- Safe and reliable
- No electricity – no risk of electric shock
- Can run on dry and not wear out
- Two year warranty



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		HSP 600	HSP 1500	HSP 2600	HSP 4000	HSP 7000	HSP 10000	HSP 16000
OUTPUT CHARACTERISTICS								
Output Max.	l/min (U.S. gpm)	800 (211.2)	2000 (528.3)	3000 (792.5)	5000 (1320)	8000 (2113)	12000 (3170)	20000 (5283)
Head Max.	m (ft.)	30 (98.4)	25 (82)	25 (114.8)	30 (98.4)	35 (114.8)	35 (114.8)	35 (114.8)
Discharge At Standard Head Of 5m	l/min (U.S. gpm)	600 (158.5)	1500 (296.3)	2600 (686.8)	4000 (1057)	7000 (1849)	10000 (2642)	16000 (4227)
Hose Ø	In	2	3	3	5	5	6	6
HYDRAULIC POWER REQUIREMENTS								
Flow Max.	l/min (U.S. gpm)	38 (10.03)	40 (10.56)	50 (13.20)	100 (26.42)	169 (44.62)	200 (52.83)	317 (83.69)
Pressure Max.	bar (psl)	260 (3771)	180 (2611)	250 (3626)	250 (3626)	350 (5076)	350 (5076)	350 (5076)
OVERALL DIMENSIONS								
Width	mm (In)	140 (5.5)	350 (13.8)	350 (13.8)	450 (17.7)	450 (17.7)	500 (19.7)	650 (25.6)
Height	mm (In)	510 (20.1)	700 (27.6)	700 (27.6)	900 (35.4)	900 (35.4)	1100 (43.3)	1250 (49.2)
Weight	kg (lbs)	7 (15.4)	15 (33.1)	20 (44.1)	45 (99.2)	54 (119)	70 (154.3)	85 (187.4)
Visit www.dynaset.com for detailed information.								

Base Machines and Installation

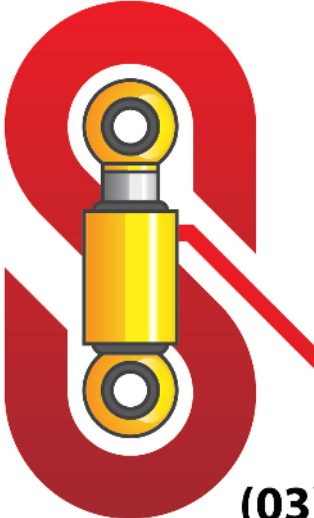
Light weight and compact size make it a great attachment for mobile machines such as excavators, tractors and service vehicles. This also makes it easy to move at the work sites. The HSP only requires the hydraulic connection of pressure and return line connection to work.

Carrier Machinery

Carrier machinery for this product includes excavators, compact loaders, loaders, tractors, service vehicles, ships, boats, fire engines, rescue vehicles, mining machinery, municipal vehicles, street cleaning machines and sewage maintenance vehicles.

Application

Some applications include large quantity water pumping, draining excavations, sludge pumping, feed pumping e.g. drill fluids, flood pumping solutions, container filling, construction work sites and flooded areas.



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