



water, sewage and sludge technology
pumps for life ...

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DEEP BLUE SERIES - H SERIES

Sewage and Trash Pumps

Product Brochure



DBH 80-280



DBH 100-280



DBH 150-318

INDRA HYDRO TECH PUMPS PVT. LTD.

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DEEP BLUE SERIES - H SERIES Sewage and Trash Pumps



Model Selection Chart

DBH - SW / TR - 100 - 375 - SS316

(S)	Standard	Casing material	- Cast iron
		Impeller material	- Ductile iron
		Wear plate Material	- Ductile iron
		Shaft material	- Carbon steel
B	Bronze	Casing material	- Cast iron
		Impeller material	- Bronze
		Wear plate Material	- Bronze
		Shaft material	- Carbon steel
SS304	304SS / CFS8	Casing material	- Cast iron
		Impeller material	- 304 Stainless Steel
		Wear plate Material	- 304 Stainless Steel
		Shaft material	- 304 Stainless Steel
SS316	316SS	Casing material	- Cast iron
		Impeller material	- 316 Stainless Steel
		Wear plate Material	- 316 Stainless Steel
		Shaft Material	- 316 Stainless Steel

→ Nominal impeller size (mm)

→ Suction and discharge size (mm)

→ Deep Blue series self priming sewage / trash pump

→ Finsbury Pump Systems

Note: These pumps are in the standard format "site trailers" only - the DB150D60 pump can, with some modifications to the lights and towing hitch, be made roadworthy. The DB150M24 model has no lights.

- Fitted with low maintenance diesel engines with electric start.
- Both models have built in safety shutdown for low oil pressure and oil temperature.
- Fitted with oil lubricated tungsten titanium carbide seals for extended seal life and cuts maintenance costs.
- Wear resistant volute and impeller ensures minimal clogging and can handle solids up to 76mm in diameter.
- Heavy duty trailer with towing hitch and jack stand.
- All pump hardware is corrosion resistant and all interior water passages are obstruction free to extend pump life.

Pump application:

Designed and engineered to the highest standards. Manufactured to meet the requirements of industry and government municipal services. With an open impeller and self priming capabilities these pumps are made to transfer high volumes of liquids at high pressures with suspended solids content, industrial waste and water. Available as a bare shaft pump or complete with an engine or motor drive. Optional bronze, 304 or 316 stainless steel impellers and wear plates are available. Ideal for sewage pumping or dewatering of construction sites and mines, pumping out tailing dams, slurry pumping and high volume water transfers.



Performance data / features:

Performance curves are based on a kinematic viscosity value of 1 mm²/s and a density of 1000 Kg/m³ at 20°C.

- Flow rates up to 306m³/hr.
- Heads up to 62m.
- Pumps are self-priming with suction heads up to 7m (check NPSH for individual pumps).
- Maximum fluid temperature: +80°C.
- Minimum fluid temperature: -10°C.
- Maximum ambient temperature: +50°C.
- Operating pressure: 6 Bar.
- Fluid ph: from 5 to 9.
- With large open impellers 2 vane, capable of pumping solids up to 31.8mm.
- The big vortex pump casing has been designed to reduce clogging of the pump due to bags and fibrous materials.
- The back of all impellers have expulsion Vanes to reduce foreign matter ingress into the mechanical seal area for increased seal life.
- Impellers are available in ductile iron, bronze, 304 and 316 stainless steel.
- An inlet strainer should be used to prevent the possibility of the entry of oversized solids. Note, the total inlet area of the inlet strainer should be at least three times the size of the inlet pipe / hose.
- Each pump comes fitted with a replaceable suction and discharge ports in case of thread or flange damage.
- The pump is designed with an impeller / shaft "Back-Pull-Out" system. This permits the easy maintenance of the rotating parts of the pump without the need to remove suction or discharge pipe work. These parts include the operating shaft, mechanical seal, bearings and impeller.
- All pumps are fitted with replaceable wear plates available in ductile iron, Bronze, 304 and 316 Stainless Steel.
- Fitted with a large inspection cover that permits simple and fast access to the internal parts such as the impellers, volute, check valve as well as the wear plates. This greatly facilitates any maintenance, cleaning and parts replacement.
- Low rotary speed results in reliable operation for a long service life.
- Cartridge mechanical seal - Silica Carbide/Tungsten Carbide/Viton



Drive options:

- Available as a bare shaft option or fitted to a base with an electric 3 phase motor or diesel engine option.n.

BARE SHAFT SPECIFICATION

Part number	Inlet outlet mm	Impeller size mm	Maximum Solid size mm	Maximum flow m ³ /hr	Maximum head m	Speed rpm	Shaft size mm	Drive size Hp	Packaging dimensions			Weight	
									L mm	W mm	H mm	Kg	Cubic
DBH 80-280	80	279.4	20.5	86	62	2150	38.1	25	780	485	790	214	75
DBH 100-280	100	279.4	28.5	148	59.5	2150	38.1	40	850	560	860	272	102
DBH 150-318	150	318	31.8	306	58.5	1950	44.45	75	1000	640	1000	413	160

Caution: These pumps should never be run dry and should never be used to pump volatile liquids!

Note: batteries are not included.



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