



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

An ISO 9001:2008 certified company by 

DEEP BLUE SERIES Sewage and Trash Pumps

Product Brochure



DB50-160

DB80-223

DB100-248

DB150-315



DB250-375

DB300-457

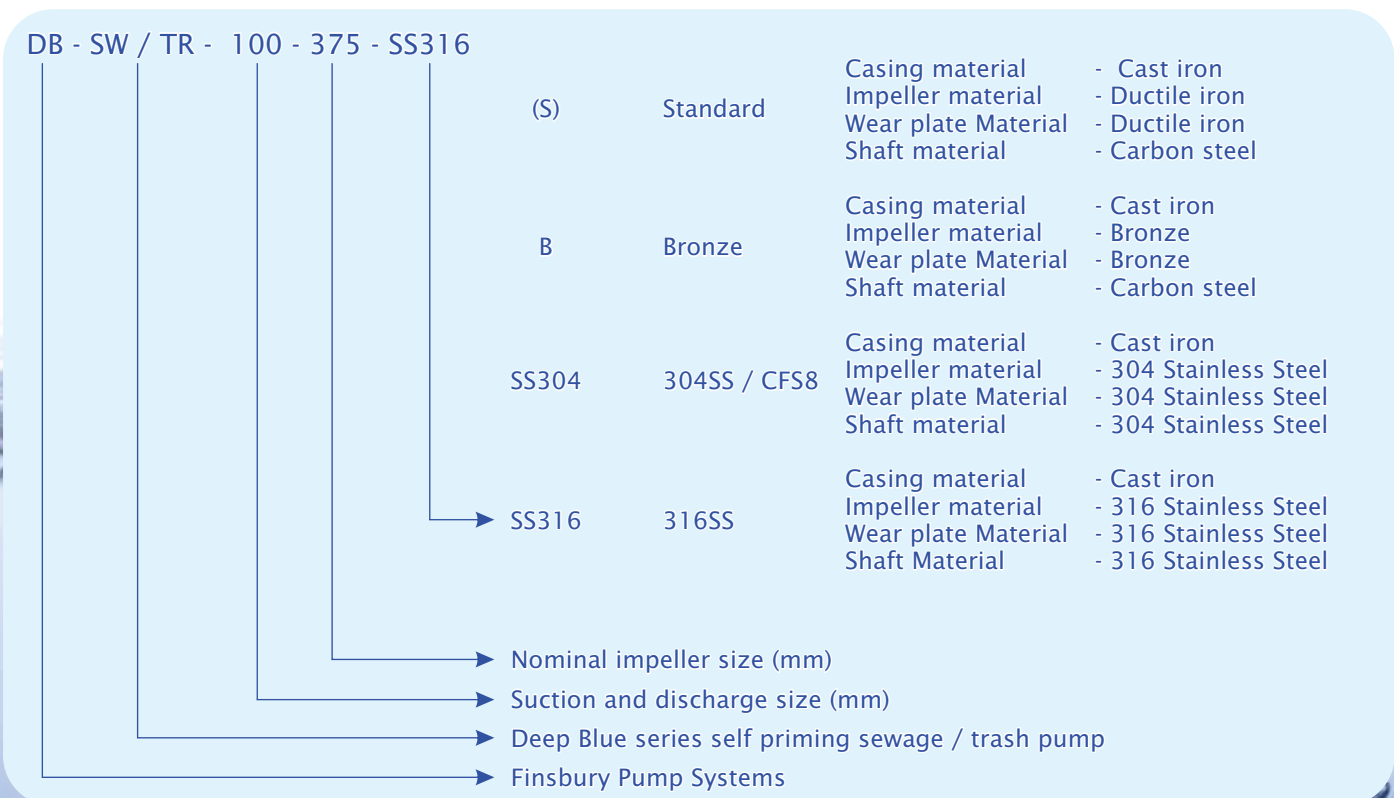
INDRA HYDRO TECH PUMPS PVT. LTD.

316, 1st Floor, 8th Cross, 4th Phase, Peenya Industrial Area, Bengaluru - 560 058, Karnataka, India
Tel.: +91 80 2836 2916, Fax: +91 80 2836 3048, Email: contact@ihpindia.in, www.ihpindia.in

DEEP BLUE SERIES Sewage and Trash Pumps



Model Selection Chart



- Note:** These pumps are in the standard format "site trailers" only - the DP150D60 pump can, with some modifications to the lights and towing hitch, be made roadworthy. The DP150M24 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 with



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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 1230m³/hr.
- Heads up to 43.5m.
- 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 75mm.
- 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.



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
DB 50-160	50	160	44	46.5	36	2900	38.1	10	600	360	625	156	34
DB 80-223	80	223	64	106	35	2150	38.1	20	720	485	790	270	69
DB100-248	100	248	76	163	36	1950	38.1	30	820	555	850	375	97
DB 150-315	150	315	76	330	33.5	1550	38.1	40	855	630	1000	487	135
DB 200-375	200	375	76	600	34	1550	44.5	75	1075	755	1170	905	237
DB 250-375	250	375	76	780	40	1450	44.5	100	1287	836	1330	943	358
DB 300-457	300	457	76	1275	44	2150	69.9	125	1672	863	1575	1100	568

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

Note: batteries are not included.

* We reserve the right to amend specification without prior notice.



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