



Pumps HRB are designed for **pumping and transport of all common sorts of paper stocks with consistency up to 6 %** and also for water, impure liquids and sludge.

Design of their hydraulic part, with an opened impeller, enables to pump stocks with high efficiency and reliability in service. According to a pump size the flow rate is ranging from 150 to 13 000 l/min at a delivery head from 7 to 76 m.

All parts coming in contact with the pumped stock are made of stainless materials providing a wide range of application possibilities. The hydraulic part is formed by a right-handed spiral chamber provided with footing. The delivery part is made as a tangential flanged branch. The volute-type casing is completed with a front plate. The opened impeller can be delivered with 3 or 2 vanes, as required.

Material

Working parts of pump, incl. impeller, is casted from stainless chrome steel (DIN 1.4027), other parts of pumps are made of structural steel and grey cast iron.

Design and work safety are in compliance with EU standards.

- easy installation and assembly of pumping set comprising pump and electric motor
- simple routine maintenance
- 3-vaned impellers, providing high pumping efficiency which is only very slightly dropping while pumping thick stocks
- 2-vaned impellers, used for pumping of very coarse and badly pumpable suspensions

Advantages

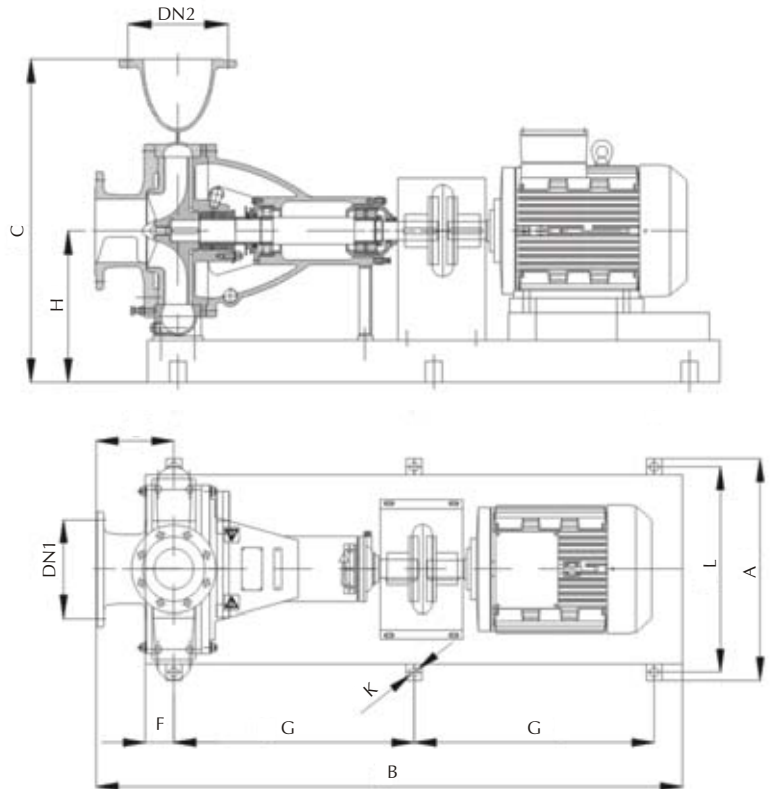
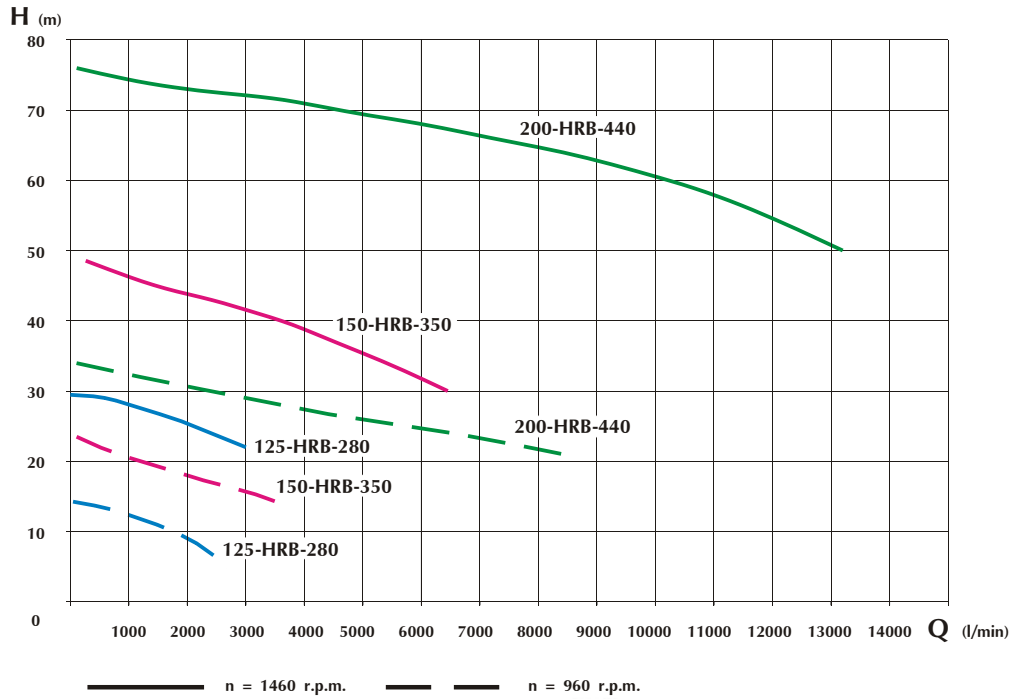
Main parts

- volute-type working pump casing (1)
- impeller (2)
- shaft bedded in bearings of beam-pumping unit (3)
- clutch with guard (4)
- base frame, common for pump and electric motor (5)
- electric motor (6)



TECHNICAL PARAMETERS

Pump type	DN1 (mm)	DN2 (mm)	A (mm)	B (mm)	C (mm)	E (mm)	F (mm)	G (mm)	H (mm)	K (mm)	L (mm)	Weight without el. motor (kg)
125-HRB-280	150	125	500	1470	685	150	65	500	325	23	460	152
150-HRB-350	200	150	560	1780	800	170	80	630	400	23	520	216
200-HRB-440	250	200	710	2381	1010	200	100	800	485	27	650	383



Note: in the second half-year 2006 we are going to produce all HRB pumps innovated and to introduce a quite new family that should successively replace the currently used HRB family.