

max 80°C



## APPLICATIONS

Drainage of high temperature liquid from groundwater, extraction of leachate even contaminated by hydrocarbons from wells in landfills, raising of wastewater from industrial processes, hydraulic barriers.

The pumps can not be installed in potentially explosive atmospheres.

## FEATURES

- Multistage centrifugal electric submersible pumps characterized by **floating impellers system** that allows the pumping of leachate and charged liquid with small solid bodies.
- External pump case, delivery port, suction port, shaft and other components in AISI 304 stainless steel.
- Impellers and diffusers in special technopolymer.
- The check valve made of stainless steel is installed in the delivery head.
- **Viton seals.**
- Electric pumps produced directly with the meters of ID 4G1,5 electric cable required without electrical junctions.
- **Available in AISI 316 version.**

## MOTOR

- 2 poles asynchronous motor, 50 Hz, 2850 rpm.
- Class F insulation.
- IP68 protection.
- Working voltage: single-phase 230 V, three-phase 400 V.
- Electric motor cooled by non-toxic, non-polluting liquid.
- **Motor protected by thermal switches** resistant to temperatures of the pumped liquid up to 80 °C.

## OPERATING CONDITIONS

- The pump can not operate in dry conditions.
- Pump body always completely submerged.
- Temperature of pumped liquid: min 0 °C – max 80 °C.
- Frost free location.
- Vertical operating position (horizontal on request).
- Maximum immersion depth: 20 m.
- Maximum number of starts per hour: 20.

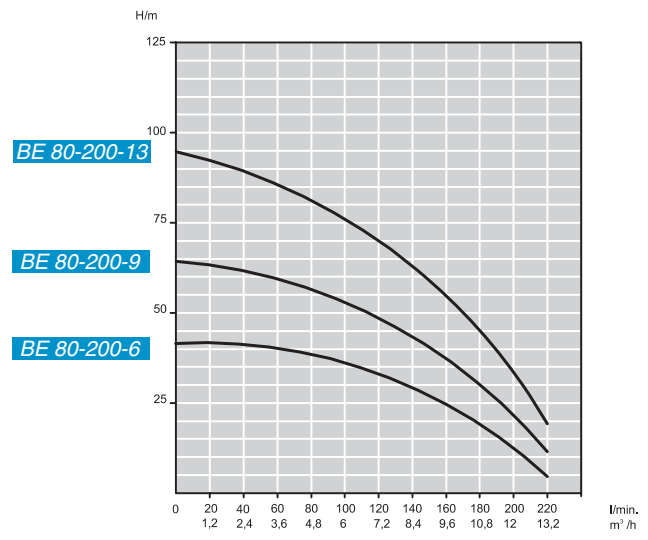
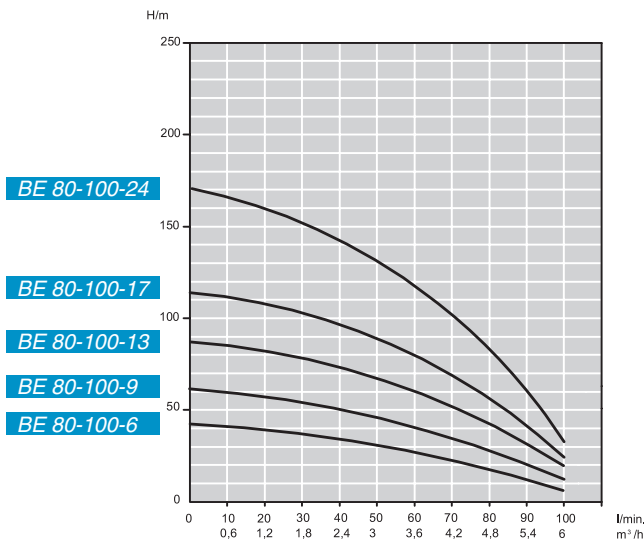
## ACCESSORIES

- Control panel.
- Level regulator.
- BE electronic level transmitter.
- Maxifilter 142.
- Maxifilter 170, available also with slope riser for oblique wells.
- ID 4G1,5 round cable.

Technical specifications

Pump type	Motor		Cap. $\mu$ F VL 450	Max current		Outlet $\varnothing$	Delivery											
	HP	kW		230 V	400 V		l/min	0	40	60	80	100	120	140	180	200	220	
				1~	3~			$m^3/h$	0	2,4	3,6	4,8	6	7,2	8,4	10,8	12	13,2
BE 80-100-6	0,75	0,55	30	5,4	1,8	1 1/4"	Manometric head (m)	43	37	31	19	7						
BE 80-100-9	1	0,75	40	7,5	3			65	55	46	28	11						
BE 80-100-13	1,5	1,1	50	8,9	4,1			95	80	67	45	18						
BE 80-100-17	2	1,5	—	—	5			122	106	88	60	21						
BE 80-100-24	3	2,2	—	—	5,9			185	153	130	89	30						
BE 80-200-6	1,5	1,1	50	7	3,6	2"		35			31	29	27	24	17	11	4	
BE 80-200-9	2	1,5	—	—	4,5			53			44	42	40	36	25	17	9	
BE 80-200-13	3	2,2	—	—	5,9			78			65	61	57	52	38	28	16	

Performance curves



Dimensions and weights

Pump type	Dimensions					Weight				
	mm					kg				
	A	B		C		A	B		C	
		230 V	400 V	230 V	400 V		230 V	400 V	230 V	400 V
		1~	3~	1~	3~		1~	3~	1~	3~
BE 80-100-6	358	340	340	698	698	2,8	9	9	11,8	11,8
BE 80-100-9	443	380	380	823	823	3,4	10,9	10,9	14,3	14,3
BE 80-100-13	557	420	420	977	977	4,2	12,8	12,8	17	17
BE 80-100-17	671	—	460	—	1131	4,8	—	14,7	—	19,5
BE 80-100-24	894	—	460	—	1354	6,5	—	14,7	—	21,2
BE 80-200-6	493	420	420	913	913	4,2	12,8	12,8	17	17
BE 80-200-9	646	—	460	—	1106	4,6	—	14,7	—	19,3
BE 80-200-13	850	—	460	—	1310	6	—	14,7	—	20,7

