

## DERBY



### Applications

Emptying of rainwater wells, seepage and dirty water in general (aggressive water excluded), draining of floated areas, lawn and garden running irrigation with suction from water reservoirs.

### Features

- Open impeller in cast iron to eliminate obstruction from mud and other suspended small solids.
- Single-phase version with capacitor connected inside the pump.
- The pump is equipped with 5 m of electric cable H07RN-F.
- Single-phase version with float switch for automatic control available on request.

### Motor

- 2 poles, asynchronous motor, 50 Hz, 2850 rpm.
- Class F insulation.
- IP 68 protection.
- Working voltage: single-phase 230 V, three-phase 400 V.
- The electric motor is cooled with a non-toxic, non-polluting liquid.

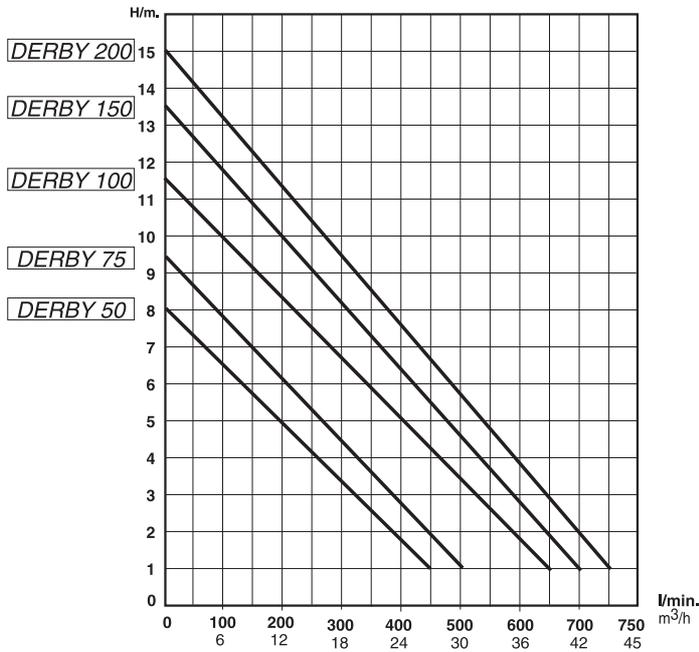
### Operating conditions

- The pump can not operate in dry conditions.
- Pump body always completely submerged.
- Water temperature: from 5 °C to 30 °C.
- Vertical operating position.
- Well or tank protected against freezing.

### Specifications

Pump type	Motor		Max current		Outlet Ø	Delivery																	
	HP	kW	230 V	400 V		l/min	0	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	
			1~	3~																			m <sup>3</sup> /h
DERBY 50	0,5	0,37	4,3	1,5	2"	Manometric head (meters)	8	7	6,2	5,8	5	4	3	2,5	2	1							
DERBY 75	0,75	0,55	5,1	1,7			9,5	9	8	7	6	5	4	3,2	2,8	2	1						
DERBY 100	1	0,75	7	2,5			11,5	10,5	10	9	8,5	7,7	7	6	5	4	3,2	2,4	1,6	1			
DERBY 150	1,5	1,1	10,5	3,1			13,5	13	12	11	10,5	10	9	8,5	7,5	6,5	5	3,5	2,5	1,5	1		
DERBY 200	2	1,5	12,5	3,8			15	14	13	12,5	12	11,5	11	10	9,5	7,5	6,5	5,5	4,5	3	2	1	

### Performance curves



### Dimensions and weights

Pump type	Dimensions mm		Weight kg
	H	Ø	
DERBY 50	445	230	16,7
DERBY 75	445	230	16,7
DERBY 100	475	230	18,1
DERBY 150	505	250	20,6
DERBY 200	520	250	21,8

