

LASER

Applications

Raising clear water from wells, from tanks and first collecting reservoirs, pressurization in domestic applications, lawn and garden rain irrigation.



Features

- Multistage monoblock electric submersible pump with the hydraulic part located under the motor which allowed the motor's cooling by the pumped liquid.
- In the single-phase version, the capacitor is installed inside the pump.
- The pump is equipped with 20 m of electric cable H07RN-F.
- Single-phase version with float switch (upon request).
- External pump case, motor case and shaft are in stainless steel.
- Impellers and diffusers are in special technopolymer.

Motor

- 2 poles asynchronous motor, 50 Hz, 2850 rpm.
- Insulation in F class.
- IP 68 protection.
- Working voltage: single-phase 230 V; three-phase 400 V.
- Electric motor cooled by non toxic non polluting liquid.

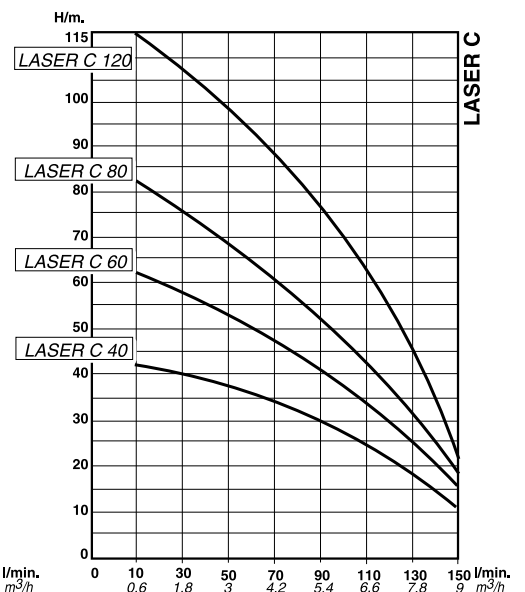
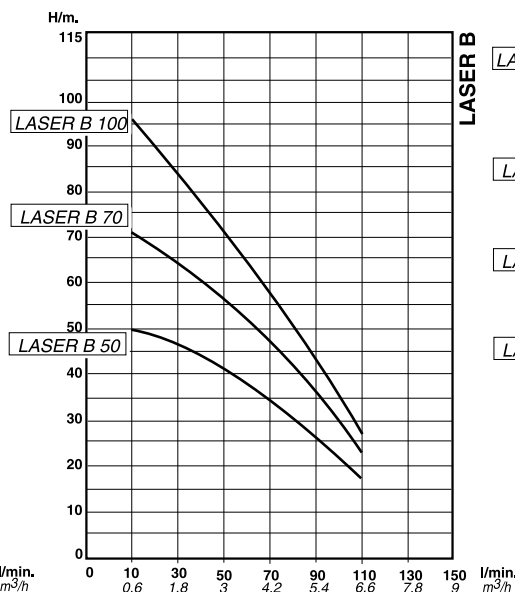
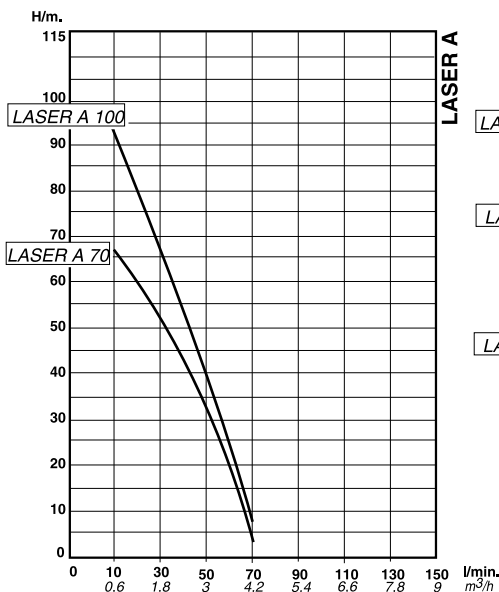
Operating conditions

- Pumped liquid: clean water, non aggressive, without solid particles.
- The pump should never 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.
- Maximum immersion depth: 45 m.
- Maximum number of starts per hour: 20.

Specifications

Pump type	Motor		Max current		Outlet Ø	Flow rate									
						Flow rate									
	HP	kW	M. 230V	T. 400V		l/min	10	30	50	70	90	110	130	150	
						m ³ /h	0,6	1,8	3	4,2	5,4	6,6	7,8	9	
LASER A 70	1	0,75	6,2	2	1" 1/4	Manometric head (meters)	66	45	20	4					
LASER A 100	1,5	1,1	8,8	3,2			94	65	28	6					
LASER B 50	1	0,75	6,2	2			50	47	41	34	26	17			
LASER B 70	1,5	1,1	8,9	3,2			71	64	57	48	37	24			
LASER B 100	2	1,5	12,1	4,3			98	84	72	59	45	27			
LASER C 40	1	0,75	6,2	2,1			42	40	37	35	30	25	19	11	
LASER C 60	1,5	1,1	8,9	3,3			62	57	52	47	41	33	25	15	
LASER C 80	2	1,5	12,1	4,2			82	75	68	60	52	42	31	18	
LASER C 120	3	2,2	-	5,6			115	109	102	90	77	63	46	21	

Performance curves



Dimensions and weights

Pump type	Dimensions		Weight
	mm		
	H	Ø	kg
LASER A 70	688	140	18,5
LASER A 100	790	140	21
LASER B 50	633	140	17,8
LASER B 70	708	140	20
LASER B 100	805	140	22,5
LASER C 40	607	140	17,5
LASER C 60	680	140	19,5
LASER C 80	751	140	21,9
LASER C 120	911	140	26

