

**BEDU**  
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## **BRASS PUMPS I SERIES (20, 25, 30, 35, 40, 50)**



**made for your process**

# I SERIES

The best solution for the suction and transfer of liquids, thanks to the strong self-priming capability, the possibility of operation even with discontinuous presence of the liquid in suction and the reversibility of the flow. The I series is made of brass with a stainless steel shaft. This version with support and pulley allows easy coupling with any motor. For each application it is necessary to check the chemical resistance of the materials.

## Applications:

- marine (bilge, services, cooling, washing, sea water)
- agriculture (diesel oil, spraying water on agricultural machines, irrigation)
- transport (tankers, road machines, water systems on board)

## Models:

Product	Connections bsp	Ø Hose connector	Q Max	H Max
I 20	3/4 "	20 mm	32 lt/min	25 m
I 25	1 "	25 mm	97 lt/min	45 m
I 30	1½ "	30 mm	166 lt/min	65 m
I 35	1½ "	35 mm	166 lt/min	65 m
I 40	1½ "	40 mm	258 lt/min	65 m
I 50	2 "	50 mm	360 lt/min	50 m



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## Hydraulic specifications

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- Shaft seal: Lipseal
- Maximum priming height: 6 m
- Maximum liquid density 1.1 kg/dm<sup>3</sup> free of hard particles in suspension (e.g. sand)
- Maximum temperature 90 ° C (with seals on request up to 130 ° C)
- Not suitable for the transfer of petrol, solvents and, in general, in environments with risk of explosion and fire.
- Possibility of reversing the pumping flow
- During installation, the pump must be filled with liquid, subsequently this operation is no longer necessary.

## Technical specifications

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- Prepared for connection via pulley 1A72

### MATERIALS

- Pump body : brass
- Cover : brass
- Shaft : stainless steel AISI 316
- Impeller : brass
- Seals : NBR



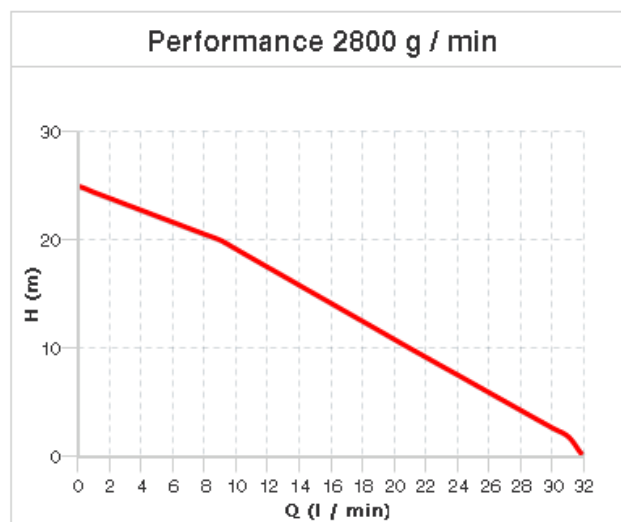
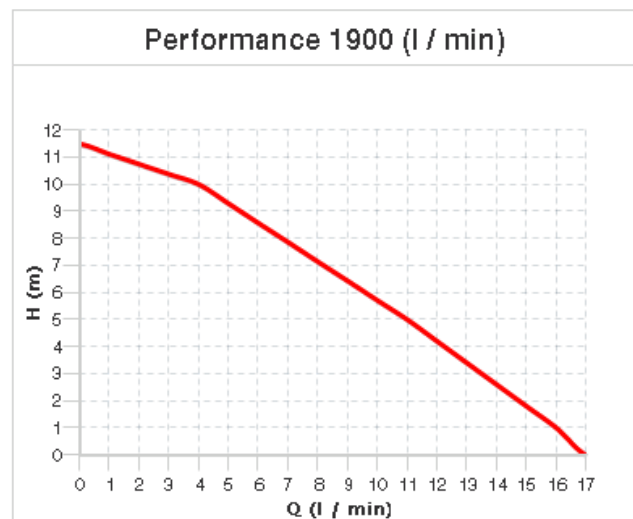
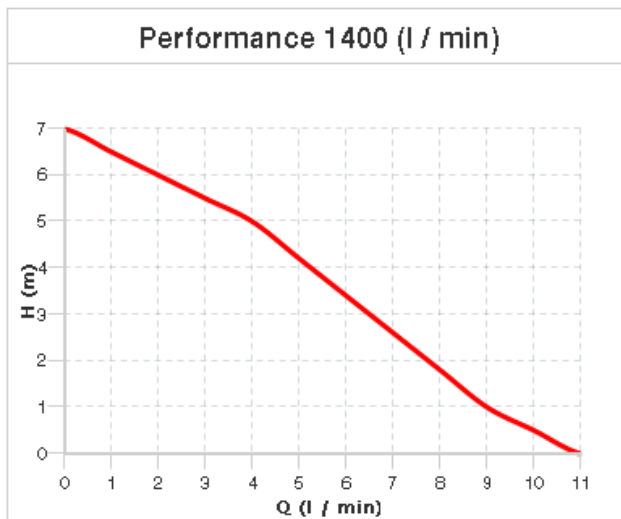
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## I 20 SERIES

1400 g/min			
H (m)	1 m	5 m	10 m
Q	9 lt/min	4 lt/min	0 lt/min
KW	0,07	0,07	0,0

1900 g/min			
H (m)	1 m	5 m	10 m
Q	16 lt/min	11 lt/min	4 lt/min
KW	0,07	0,07	0,1

2800 g/min				
H (m)	1 m	10 m	20 m	30 m
Q	32 lt/min	21 lt/min	9 lt/min	0 lt/min
KW	0,1	0,2	0,2	0,0



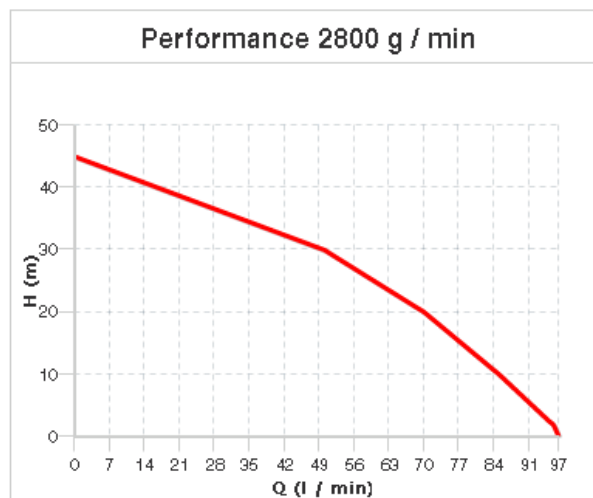
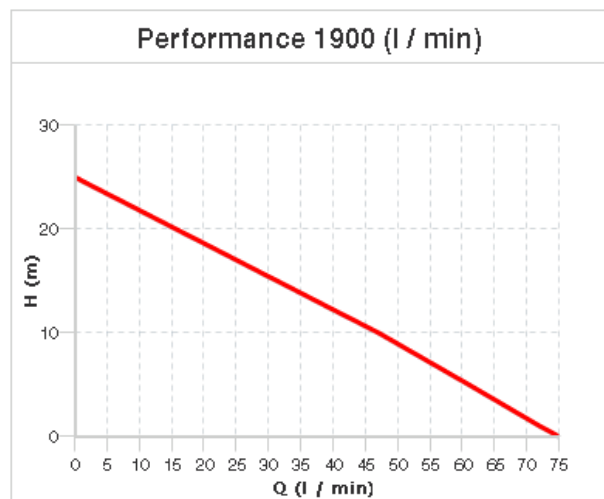
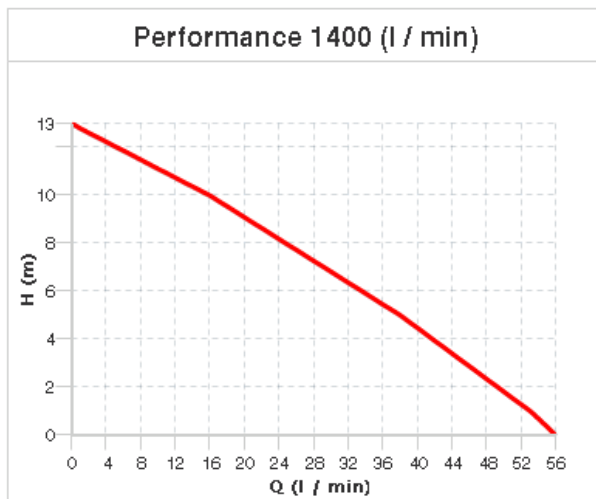
Characteristics referring to operation with water at 20 °

## I 25 SERIES

1400 g/min			
H (m)	1 m	5 m	10 m
Q	53 lt/min	38 lt/min	16 lt/min
KW	0,1	0,1	0,2

1900 g/min			
H (m)	1 m	5 m	10 m
Q	72 lt/min	61 lt/min	47 lt/min
KW	0,4	0,4	0,5

2800 g/min				
H (m)	1 m	10 m	20 m	30 m
Q	97 lt/min	85 lt/min	70 lt/min	50 lt/min
KW	0,8	1,0	1,3	1,3



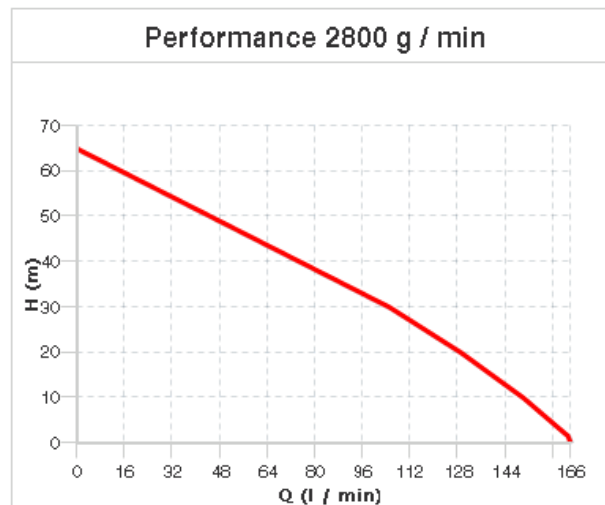
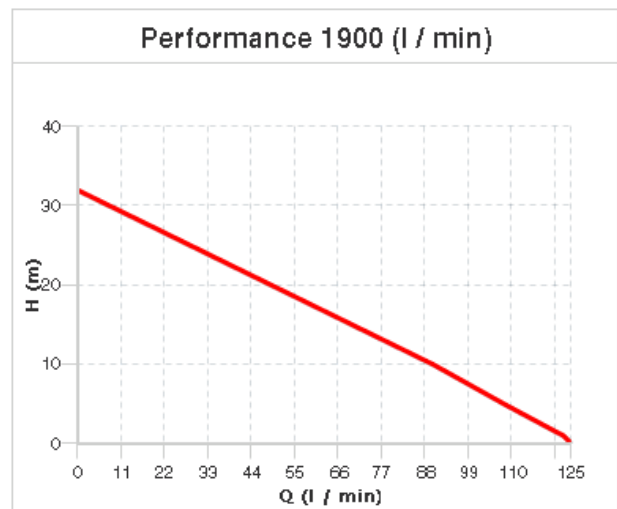
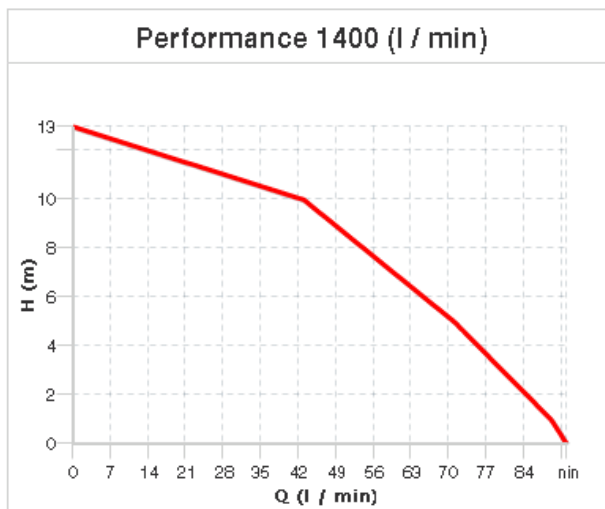
Characteristics referring to operation with water at 20 °

## I 30 AND 35 SERIES

1400 g/min			
H (m)	1 m	5 m	10 m
Q	89 lt/min	71 lt/min	43 lt/min
KW	0,3	0,4	0,4

1900 g/min			
H (m)	1 m	5 m	10 m
Q	123 lt/min	108 lt/min	90 lt/min
KW	0,6	0,6	0,7

2800 g/min				
H (m)	1 m	10 m	20 m	30 m
Q	166 lt/min	150 lt/min	129 lt/min	105 lt/min
KW	1,9	2,1	2,3	2,5



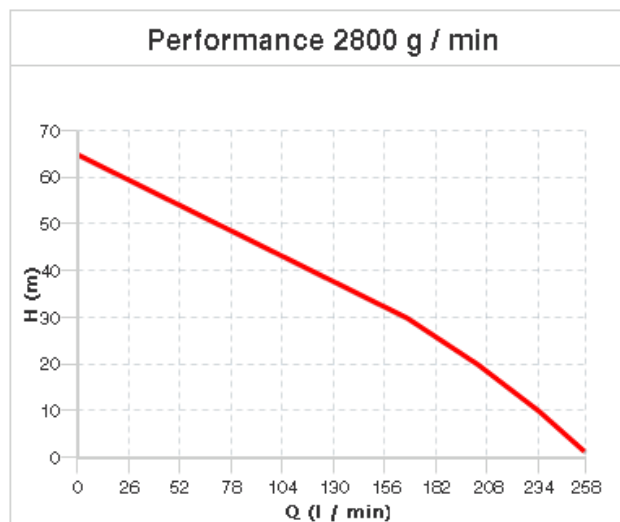
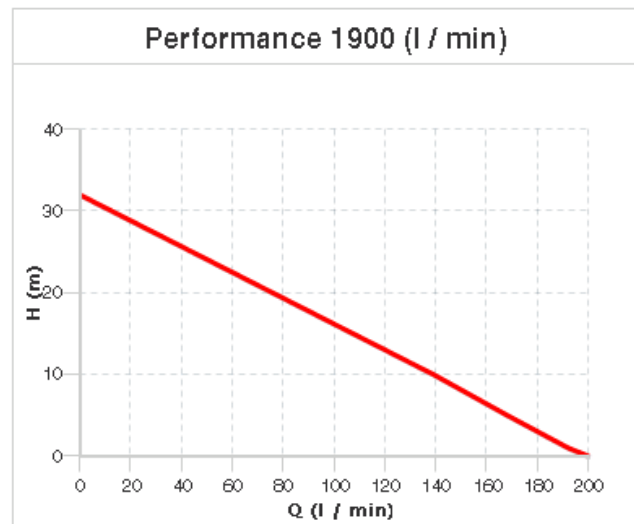
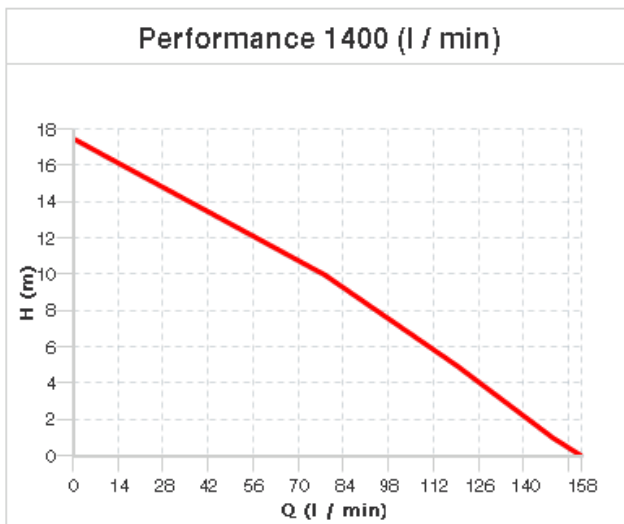
Characteristics referring to operation with water at 20 °

## I 40 SERIES

1400 g/min			
H (m)	1 m	5 m	10 m
Q	149 lt/min	119 lt/min	78 lt/min
KW	0,4	0,5	0,5

1900 g/min			
H (m)	1 m	5 m	10 m
Q	192 lt/min	168 lt/min	139 lt/min
KW	1,1	1,1	1,3

2800 g/min				
H (m)	1 m	10 m	20 m	30 m
Q	258 lt/min	234 lt/min	203 lt/min	167 lt/min
KW	2,7	3,0	3,3	3,6

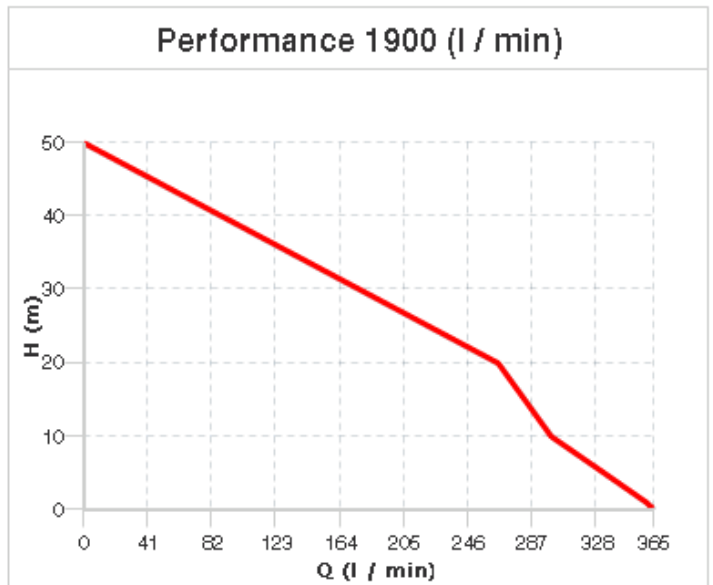
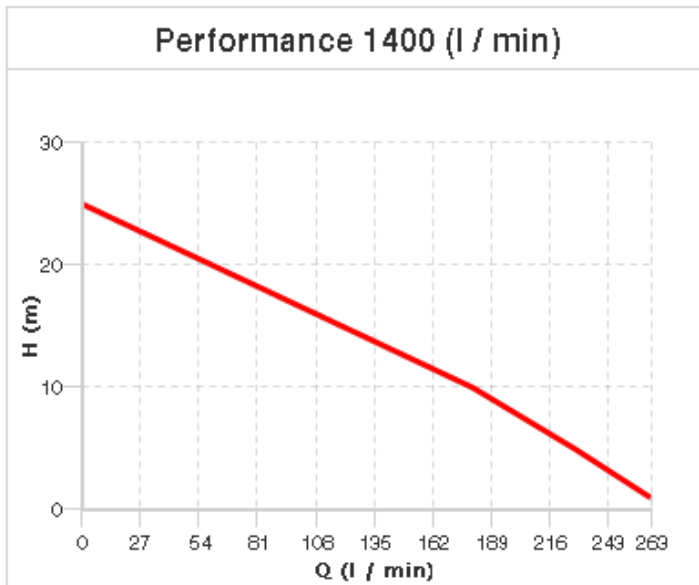


Characteristics referring to operation with water at 20 °

## I 50 SERIES

1400 g/min			
H (m)	1 m	5 m	10 m
Q	262 lt/min	227 lt/min	180 lt/min
KW	1,0	1,1	1,2

1900 g/min			
H (m)	1 m	5 m	10 m
Q	360 lt/min	333 lt/min	299 lt/min
KW	2,3	2,5	2,7



Characteristics referring to operation with water at 20 °

## I SERIES (20, 25, 30, 35, 40, 50)

Overall dimensions				
	W	L	H	Weight
I 20	160 mm	110 mm	116 mm	2,0 kg
I 25	219 mm	126 mm	146 mm	3,8 kg
I 30	298 mm	158 mm	180 mm	6,4 kg
I 35	298 mm	158 mm	180 mm	6,5 kg
I 40	304 mm	158 mm	180 mm	7,1 kg
I 50	325 mm	200 mm	219 mm	9,4 kg

