

## Submersible multistage pumps, built-in pressure control

### Applications

Pressurising of domestic water for houses, semi-detached homes, apartments, chalets and rural homes...

### Materials

Outer casing, discharge body, impellers, filter, discharge cover and motor casing in stainless steel AISI 304.

Pump shaft in stainless steel AISI 303. Diffusers in PPO.

Mechanical seal in graphite and alumine/graphite/steatite/NBR/AISI 304.

### Motor

Asynchronous, two poles.

IP 68 protection.

Class F insulation.

Continuous operation.

Water-cooled motor.

Single-phase version with Klixon

(incorporated thermal protection).

### Limitations

Maximum working pressure 8 bar.

Ø of solids 2 mm.

Maximum 30 start-ups: per hour.

Water temperature from 4 °C to 40 °C.

Motor characteristics 230 V.

Vertical installation only.

### Equipment

Submersible multistage pump built-in pressure control and non return valve.

With dry running control with four trials if no water.

Oil chamber with two mechanical seals.

Model 4: starting pressure at 2 bar.

Model 6: starting pressure at 3 bar.

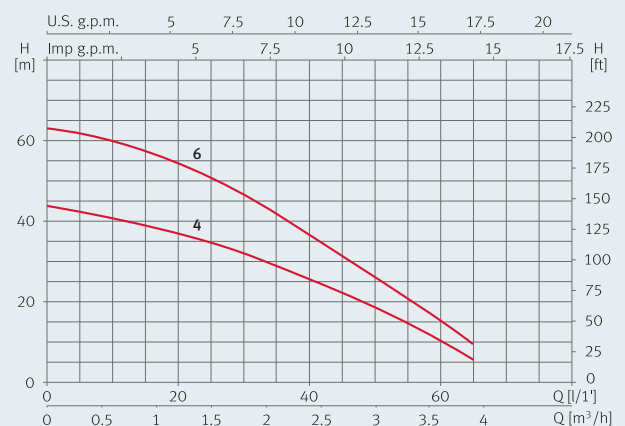


### Dimensions and weights

Model	A	B	C	kg
Acuapres 4	493	126	1"	10.6
Acuapres 6	560	126	1"	12.4



### Performance curves at 2900 rpm



### Hydraulic performance table

Model	I (A)		P1 (kW)		P2		µF	l/min	10	20	30	40	45	50	60	65
	1~ 230 V	3~ 400 V	1~	3~	(kW)	(HP)										
Acuapres 4	3.5	1.7	0.8	0.8	0.5	0.75	12	m³/h	0.6	1.2	1.8	2.4	2.7	3.0	3.6	3.9
Acuapres 6	5	2	1.2	1.1	0.9	1.2	16	mwc	41	37	32	26	22	19	10	6
									60	55	47	37	32	26	15	9