



The electropumps 6SDX, 6SDXL series comply with the European Regulation no. 547/2012.

### Materials

Components	6SDX	6SDXL	8SDX	8SDXL
External jacket	Cr-Ni steel	Cr-Ni-Mo steel	Cr-Ni steel	Cr-Ni-Mo steel
Suction lantern	AISI 304	AISI 316L	AISI 304	AISI 316
Upper cover	Cr-Ni-Mo steel AISI 316			
Delivery casing	Cr-Ni-Mo steel AISI 316L		Cr-Ni steel AISI 304	Cr-Ni-Mo steel AISI 316
Strainer	Cr-Ni-Mo steel		Cr-Ni-Mo steel	
Valve set	AISI 316		AISI 316	
O-ring valve	NBR			
Shaft	Cr-Ni-Mo steel AISI 316		Cr-Ni-Mo steel AISI 329	
Coupling set	Cr-Ni-Mo steel AISI 316/329			
Diffuser	Cr-Ni steel	Cr-Ni-Mo steel	Cr-Ni steel	Cr-Ni-Mo steel
Stage casing	AISI 304	AISI 316L	AISI 304	AISI 316
Impeller	Cr-Ni steel	Cr-Ni-Mo steel	Cr-Ni-Mo steel	
	AISI 304	AISI 316L	AISI 316	
Wear ring	Teflon (PTFE)			
Bearing bush	NBR	HNBR	NBR	HNBR
Cable guard	Cr-Ni-Mo steel			
Screws	AISI 316			

### CS, CS-R Motor

Components	CS-R 6", 8", CS 10" standard	I-CS-R 6", 8", I-CS 10" AISI 316
External frame	AISI 304 (AISI 316Ti for 10")	Cr-Ni-Mo steel AISI 316 Ti
Motor flange	Cast iron GJL 200 EN 1561	Cr-Ni-Mo steel AISI 316
Shaft end	Steel AISI 431 (AISI 329 for 10")	AISI 316 (AISI 630 from 30 to 93kW) (AISI 429 for 10")
Thrust bearing	Oscillating pads	Oscillating pads
Bushings	Graphite (Bronze for 8" motor)	Graphite (Bronze for 8" motor)

### Construction

Submersible borehole pumps for 6" wells (DN 150 mm) and 8" (DN 200 mm).

**6,8SDX:** with external jacket and stages in stainless steel AISI 304.

**6,8SDXL:** with external jacket and stages in stainless steel AISI 316.

### Impellers

Radial impellers	Mixed flow impellers
6SDX(L) 18	6SDX(L) 30-46-65 8SDX(L) 78-97

**Connection:** Screwed connection ISO 228

Delivery casing with built-in non-return valve.

### Applications

For water supply.

For civil and industrial applications.

For fire fighting applications.

For irrigation.

### Operating conditions

Liquid temperature up to 60 °C (90 °C for SDXL).

Max. sand quantity into the water: 100 g/m<sup>3</sup>.

Continuous duty.

### Rewindable motor CS series

2-pole induction motor, 50 Hz (n ≈ 2900 rpm).

With water wetted winding in rewindable execution.

Sized for connection to the pumps according to NEMA Standards.

Standard voltages:

- three-phase 400 V; 400/690 V.

Voltage tolerance : +6% / -10%.

In order to limit both current and torque at each starting, for rated motor powers equal to or higher than 7.5 kW, one of the following types of starting is necessary: star/delta, soft starter, stator impedance or autotransformer.

### Operating conditions motor

Motor	Max. Liquid temperature	Cooling: minimum flow velocity	Max. starts per hour	Motor P2
4CS	35 °C	0,08 m/s	20	all types
6CS-R	30 °C	0,1 m/s	15	4÷11 kW
		0,2 m/s	15	13÷15 kW
	25 °C	0,2 m/s	15	18,5 kW
		0,2 m/s	13	22÷30 kW
8CS-R	25 °C	0,1 m/s	13	37 kW
		0,3 m/s	6	45 kW
		0,3 m/s	10	30÷45 kW
10CS	25 °C	0,50 m/s	6	51÷75 kW
			6	92 kW
			10	all types

Insulation class F for 4" motors, class E for 6-8" motors, PVC coated wire for 10" motors.

Motor suitable operation with frequency converter.

Protection IP 68.

### Special features on request

- Other voltages.
- 60 Hz frequency.
- Other temperatures.
- Encapsulated motor **FK series**.

### Designation

6 SDX L 30 / 17

Ø of the well in inches \_\_\_\_\_

Series \_\_\_\_\_

Cr-Ni-Mo steel AISI 316 construction \_\_\_\_\_

Stage identification \_\_\_\_\_

Number of stages \_\_\_\_\_



















