

**hydroo<sup>®</sup>**

**SXB**

**5" Submersible  
monoblock  
electropumps**



# SXB

## 5" Submersible monoblock electropumps

**5" monoblock submersible electropumps made of AISI 304 stainless steel, designed to work in 5" or wider wells, artesian wells, tanks...**

### Building features

Connection system by means of a removable connector.

#### Advantages:

- Perfect sealing
- Float can be inserted or not depending on the need.
- Sharp stock decrease (float switch stored separately).

AISI 304 stainless steel pump outlet.

Asynchronous motor cooled by pumped liquid.

304L stainless steel chamber.

Double mechanical seal with interposed oil chamber.

B-class condenser meeting long-lasting features (three times a standard condenser).

Techno-polymer impellers and diffusers:

- Higher performance.
- Higher resistance to sand.

304 stainless steel intake filter.

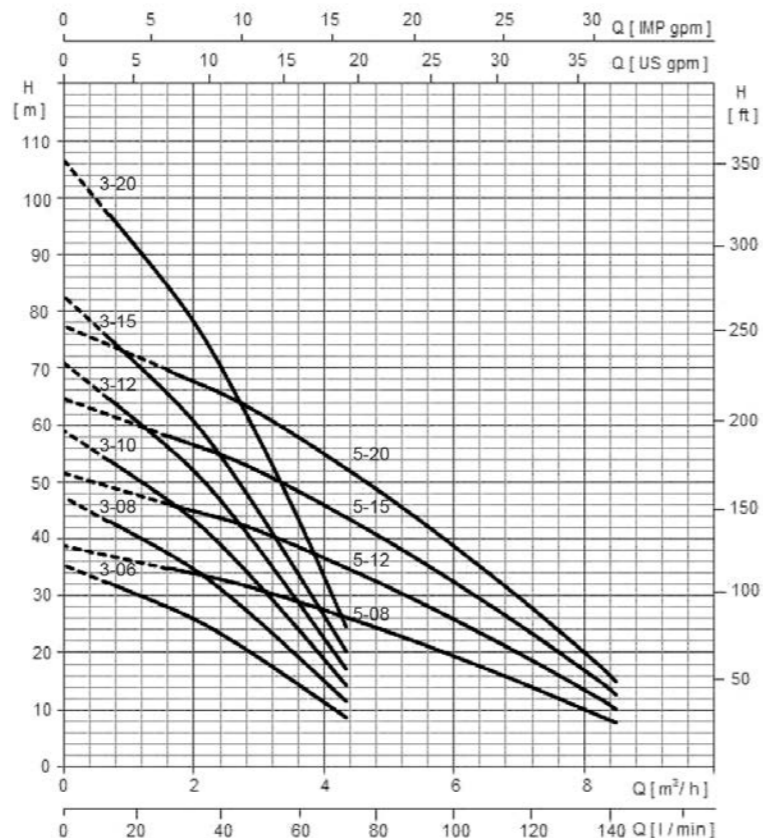
Outlet connection: 1 1/4"

### Uses

- To take water from tanks, collection tanks, watercourses, 6" wells.
- Pressurization systems.
- Irrigation.



### Performance scope



### Performance table

Model		P <sub>2</sub>		Q (Flow Rate)								
Single Phase 230 V	Three Phase 230/400 V	(hp)	(KW)	[l/min]	0	20	40	60	80	100	120	140
				[m <sup>3</sup> /h]	0	1,2	2,4	3,6	4,8	6	7,2	8,4
H (Total Head) [m]												
SXB 3 - 06S	SXB 3 - 06T	0,6	0,45	35,5	30	23,5	14,4	5,3	—	—	—	—
SXB 3 - 08S	SXB 3 - 08T	0,8	0,6	47,3	40	31,7	19,5	6,9	—	—	—	—
SXB 3 - 10S	SXB 3 - 10T	1	0,75	59,1	50,1	39	24,2	8,2	—	—	—	—
SXB 3 - 12S	SXB 3 - 12T	1,2	0,9	70,9	59,7	47	29,4	9,4	—	—	—	—
SXB 3 - 15S	SXB 3 - 15T	1,5	1,1	82,7	70	55,7	34	10,9	—	—	—	—
SXB 3 - 20S	SXB 3 - 20T	2	1,5	106,3	90	69,8	43,4	13,3	—	—	—	—
SXB 5 - 08S	SXB 5 - 08T	0,8	0,6	38,7	35,9	32,9	29,2	24,6	19,1	13,9	8,2	—
SXB 5 - 12S	SXB 5 - 12T	1,2	0,9	51,8	47,8	43,9	38,8	32,8	26	18,9	11,2	—
SXB 5 - 15S	SXB 5 - 15T	1,5	1,1	64,5	59,8	54,8	49,3	40,9	32,2	23,3	13,8	—
SXB 5 - 20S	SXB 5 - 20T	2	1,5	77,4	71,8	65,7	58	49	38,9	28	16,3	—

### Electrical data

Pump Type	P <sub>1</sub> [kW] (Max Absorbed Power)	I [A] (Max Absorbed Current)	Capacitor [μF] / 450V
Single - Phase 230V			
SXB 3 - 06S	0,81	3,7	16
SXB 3 - 08S	1	4	25
SXB 3 - 10S	1,22	5,7	25
SXB 3 - 12S	1,4	6,5	35
SXB 3 - 15S	1,65	7,6	35
SXB 3 - 20S	2,15	9,8	40
SXB 5 - 08S	1,1	4,2	25
SXB 5 - 12S	1,32	6,4	35
SXB 5 - 15S	1,7	8	35
SXB 5 - 20S	1,95	9,15	40

Pump Type	P <sub>1</sub> [kW] (Max Absorbed Power)	I [A] (Max Absorbed Current)	
		230 V	400 V
Three - Phase			
SXB 3 - 06T	0,82	2,4	1,4
SXB 3 - 08T	1,04	2,9	1,9
SXB 3 - 10T	1,3	3,8	2,2
SXB 3 - 12T	1,32	4,5	2,6
SXB 3 - 15T	1,51	4,8	2,9
SXB 3 - 20T	2,05	5,7	3,5
SXB 5 - 08T	1,12	4	2,1
SXB 5 - 12T	1,29	4,4	2,5
SXB 5 - 15T	1,64	4,9	3
SXB 5 - 20T	1,92	5,7	3,7

### Technical specifications

Model		Dimension		Cable Type	Cable Length (m)
Single Phase 220 V	Three Phase 380 V	Length (mm)	Weight (kg)		
SXB 3 - 06S	SXB 3 - 06T	439	14	H07RN-F	10
SXB 3 - 08S	SXB 3 - 08T	495	15,5		
SXB 3 - 10S	SXB 3 - 10T	521	16,5		
SXB 3 - 12S	SXB 3 - 12T	590	19		
SXB 3 - 15S	SXB 3 - 15T	616	20		
SXB 3 - 20S	SXB 3 - 20T	698	23,5		
SXB 5 - 08S	SXB 5 - 08T	469	16		
SXB 5 - 12S	SXB 5 - 12T	515	17,5		
SXB 5 - 15S	SXB 5 - 15T	541	18,5		
SXB 5 - 20S	SXB 5 - 20T	620	20,5		

Single-phase version featuring a condenser with overload protection and automatic resetting system. Series 3-20S, 5 -20S and all three-phase versions do not feature overload protection.

The following features are available upon request:

- versions with a cable 20 or 40 m long;
- version with KTW, WRAS, ACS type-approved cable;
- versions with float switch.

- **Protection class: IP 68**
- **Insulation class: F**
- **Rated voltage tolerance: ± 10 %**
- **Max no. of starts per hour: 40**
- **Pumped liquid temperature: 0°C - 40°C**
- **Max amount of sand tolerated in water: 50 g/m<sup>3</sup>**
- **Max. immersion depth: 50 m**

# hydroo®

Be pumping partners

**HYDROO**  
**Pump Industries SL**

Carrer La Banyeta Nova, 11  
Polígon Industrial La Banyeta  
17843 Palol de Revardit  
Catalonia. Spain  
Tel. +34 972 394 654  
E-mail: [info@hydroo.com](mailto:info@hydroo.com)  
[www.hydroo.com](http://www.hydroo.com)

201907-CTL-SXB-EN  
subject to amendments

