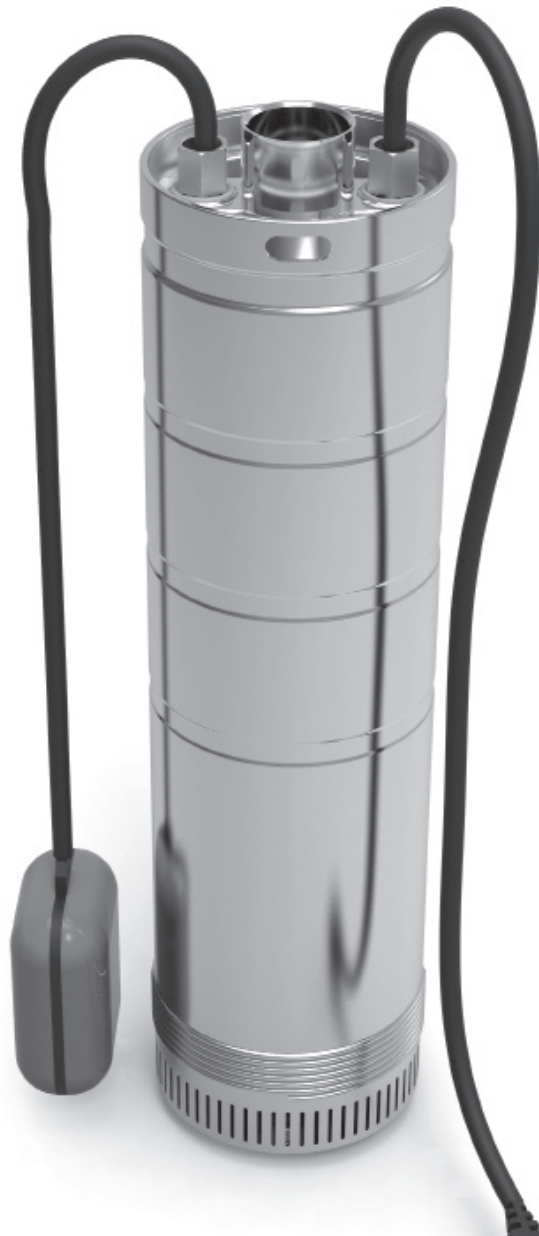


BE
PUMPING
PARTNERS

SXB

SDROO Series

5" Submersible
monoblock
electropumps
50Hz - 60Hz



hydroo®

HYDROO is present in all the European markets by means of a distribution network focused on the service and the valuation of the pumping business. HYDROO conceives, researches, develops, designs, industrializes, and manufactures a wide range of pumping solutions for the most demanding applications in industrial markets, irrigation, water supply and water treatment as well as in residential and commercial buildings. The values of operational excellence, experience, reliability, and passion for a well-done job guide the daily work of the Hydroo team together with our partners and distributors. The global challenges of water management require excellence in pumping technologies and a joint effort between designers, manufacturers, and pumping engineers. To meet the needs of the market in the more demanding installations Hydroo is firmly committed to manufacturing the best pumping equipment on the market following and sharing our values worldwide.

The Hydroo values are presented in 5 great concepts that we summarize in our motto Hy5, which are our principles and commitments:

BE PUMPING PARTNERS



L'Estany de Banyoles (Pla del Estany county, Catalonia)

The lake of Banyoles is an amazing natural space, of great geological, ecological, landscape and cultural value. You can walk and enjoy their most emblematic corners or practice numerous sports and leisure activities nearby.

Coordinates:
Longitude: 2.75656
Latitude: 42.13101



hymotion

Value proposal based on the reliability of products enhancing the quality, the development of efficient supply chains, the productivity with the love of craftsmen at every step of the manufacturing and production lines. We move with the commitment to improve pumping systems, make them more efficient, more reliable, more digitized, more at the service of the human development.



hylite

Contribution to preservation of the environment and to sustainability. We reduce the environmental impact and footprint of carbon. We contribute to the development of the circular economy. Our team stand out for the highest standards of energy efficiency.



hyficient

The use of the most advanced analytical, development and simulation tools allows us to optimize our R&D teamwork results. We maximize the study of materials, efficient hydraulics, mechanical improvements and the optimization of our motors up to 200 kW. The results are robust, reliable, flexible, adjustable, multipurpose, and user-friendly pumping equipment.



hynovative

Commitment to implementation of the innovation process as strategic pillar of the company. Transfer new ideas to realities that evolve pumping industry and internalize the process in each job position to offer market improvements.



hyliance

We are the factory of our customers. Without solution of continuity between the value chain starting in the components production plants and ending with amortization of the pumping equipment operating at full performance for years and giving satisfaction to distributors, project engineers and pumping systems managers. We make real our catchphrase **Be Pumping Partners**.

SXB

5" Submersible monoblock electropumps

Description

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.

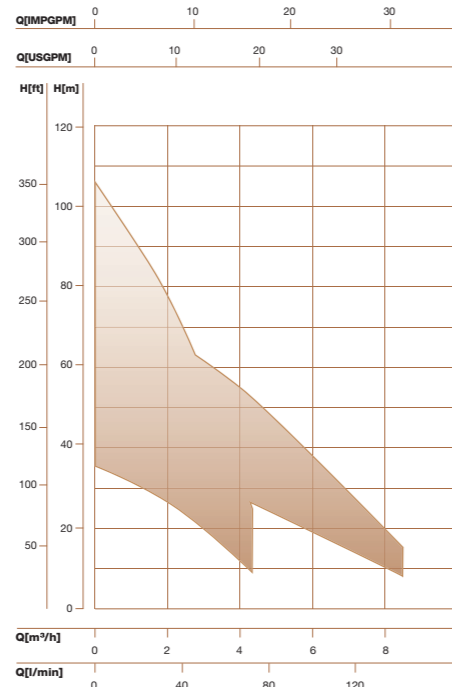
304 stainless steel intake filter.

Outlet connection: RP 1 1/4"

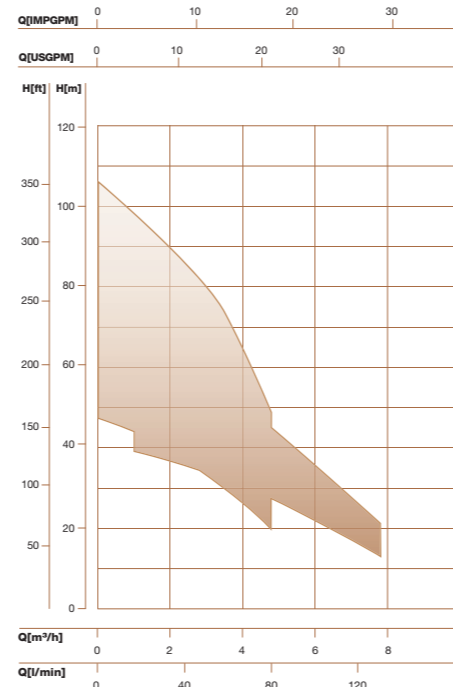


Performance scope

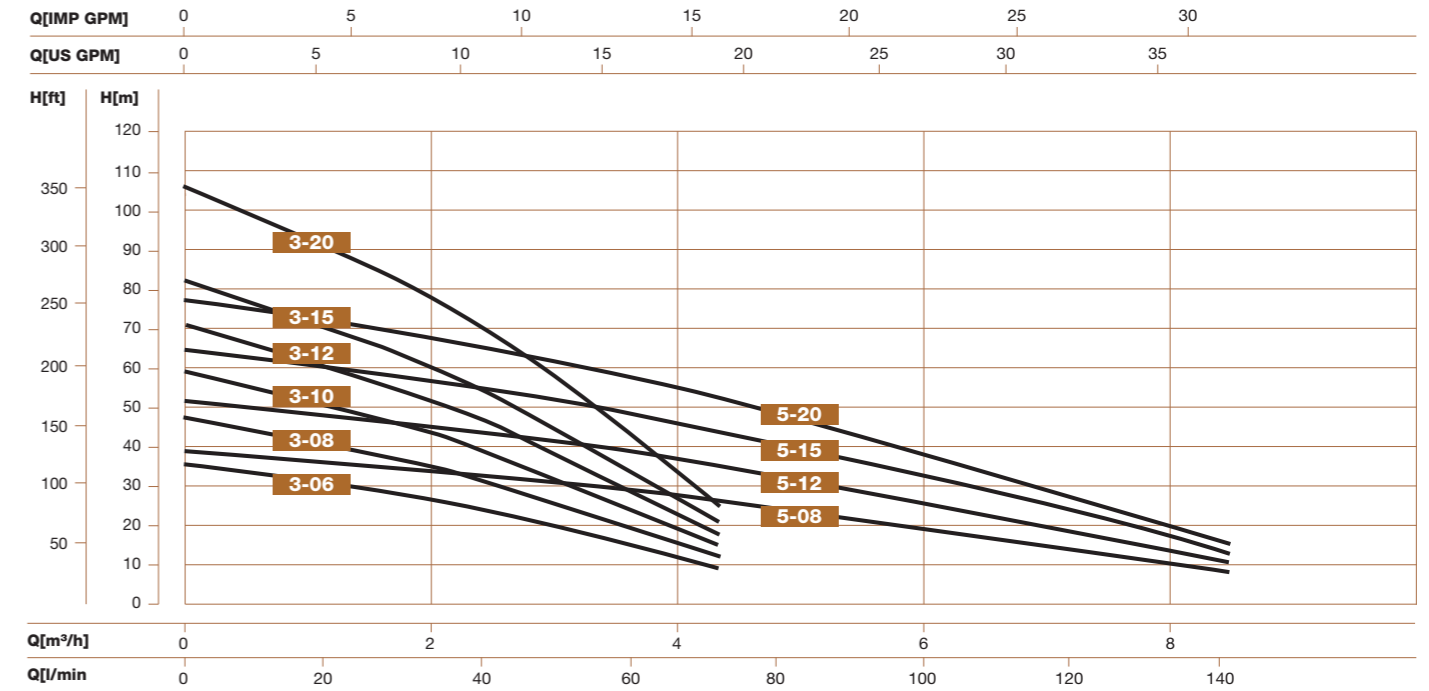
50Hz



60Hz



50Hz Performance range



50Hz Performance table

Model		P ₂		Q (Flow Rate)								
Single Phase 230 V	Three Phase 230/400 V	(hp)	(kW)	[l/min]	0	20	40	60	80	100	120	140
				[m³/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	—

50Hz Electrical data

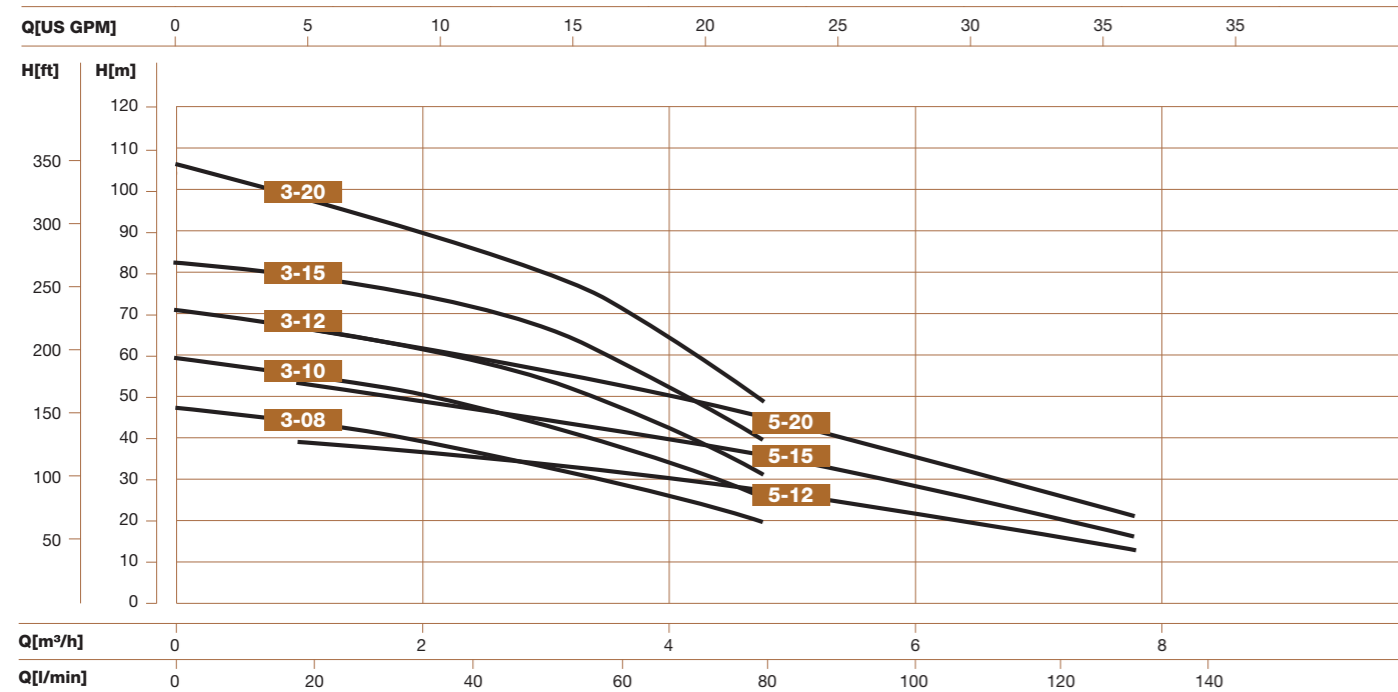
Pump Type	P ₁ [kW] (Max Absorbed Power)	I [A] (Max Absorbed Current)	Capacitor [µF] / 450V
SXB 3 - 06S	0,81	3,7	16
SXB 3 - 08S	1	4	25
SXB 3 - 10S	1,22	5,7	25
SXB 3 - 12S	1,4	6,5	35
SXB 3 - 15S	1,65	7,6	35
SXB 3 - 20S	2,15	9,8	40
SXB 5 - 08S	1,1	4,2	25
SXB 5 - 12S	1,32	6,4	35
SXB 5 - 15S	1,7	8	35
SXB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

Pump Type	P ₁ [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

Applications

- Water supply from tanks, collection tanks, watercourses, 6" wells.
- Pressurization systems.
- Irrigation.

60Hz Performance range



60Hz Performance table

Model		P ₂		Q (Flow Rate)											
Single Phase 220 V	Three Phase 220/380 V	(hp)	(kW)	[l/min]	0	25	30	40	50	60	80	100	115	130	
				[m³/h]	0	1,5	1,8	2,4	3	3,6	4,8	6	6,9	7,8	
H (Total Head) [m]															
SXB 3 - 08S	SXB 3 - 08T	0,8	0,6	47,2	41,4	39,7	36,4	32,9	29,1	19,5	—	—	—	—	—
SXB 3 - 10S	SXB 3 - 10T	1	0,75	59,1	53,1	51,4	47,8	42,9	37,9	24,9	—	—	—	—	—
SXB 3 - 12S	SXB 3 - 12T	1,2	0,9	70,8	64,5	63	59,3	53,8	47,3	30,6	—	—	—	—	—
SXB 3 - 15S	SXB 3 - 15T	1,5	1,1	82,6	77,1	75,1	71,8	66,2	58,7	39,1	—	—	—	—	—
SXB 3 - 20S	SXB 3 - 20T	2	1,5	106,2	94,1	91,4	85,7	79,8	71,8	48,1	—	—	—	—	—
SXB 5 - 12S	SXB 5 - 12T	1,2	0,9	45,4	42,6	37,3	35,6	33,4	30,9	26,6	21,6	17,3	12,5	—	—
SXB 5 - 15S	SXB 5 - 15T	1,5	1,1	56,7	53,8	50	47,7	44,6	42	35,8	28,7	22,9	16,1	—	—
SXB 5 - 20S	SXB 5 - 20T	2	1,5	68	66,2	63,4	59,8	56,3	52,8	44,6	35,9	29,1	20,7	—	—

60Hz Electrical data

Pump Type	P1 [kW] (Max Absorbed Power)	I [A] (Max Absorbed Current)	Capacitor [µF] / 450V
Single - Phase 220V			
SXB 3 - 08S	1,05	4,8	25
SXB 3 - 10S	1,24	5,9	25
SXB 3 - 12S	1,42	7,1	35
SXB 3 - 15S	1,67	8	35
SXB 3 - 20S	2,16	10,1	40
SXB 5 - 12S	1,34	6,4	35
SXB 5 - 15S	1,72	7,3	35
SXB 5 - 20S	1,91	9,7	40

Pump Type	P1 [kW] (Max Absorbed Power)	I [A] (Max Absorbed Current)	
		220 V	380 V
Three - Phase 220/380V			
SXB 3 - 08T	1,06	2,9	1,7
SXB 3 - 10T	1,31	3,6	2,1
SXB 3 - 12T	1,37	3,9	2,3
SXB 3 - 15T	1,56	4,4	2,6
SXB 3 - 20T	2,08	5,4	3,2
SXB 5 - 12T	1,31	3,6	2,1
SXB 5 - 15T	1,67	4,4	2,6
SXB 5 - 20T	1,89	4,9	2,9

Technical specifications 50Hz - 60Hz

Model		Dimension		Cable Type	Cable Length (m)
Single Phase	Three Phase	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/m³
- Max. immersion depth: 50 m



202309-CTL-SXB-EN
subject to amendments

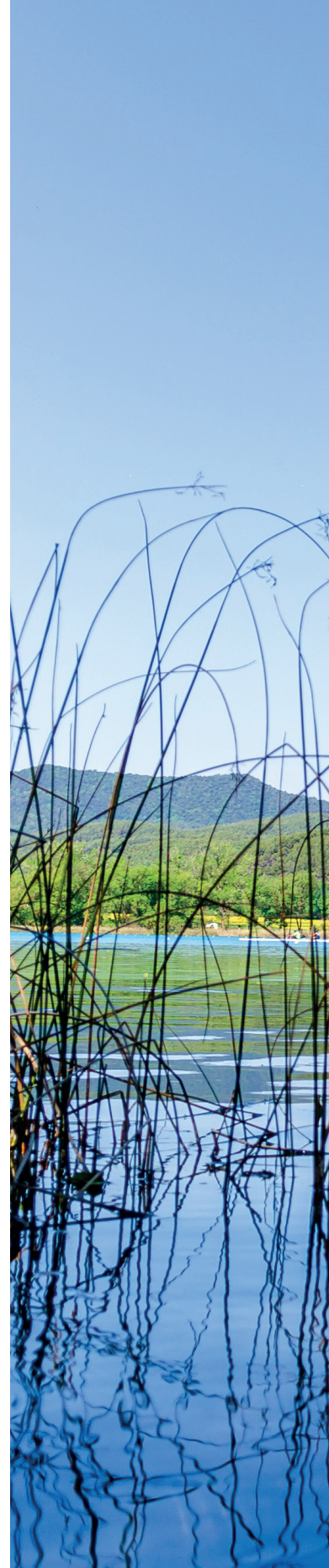
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HYDROO **Pump Industries SL**

Carrer La Banyeta Nova, 11
Poligon Industrial La Banyeta
17843 Palol de Revardit
Catalonia. Spain

Tel. +34 972 394 654
E-mail: info@hydroo.com

www.hydroo.com



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