



SB,SBI,SBN 1,3,5,10,15,20,32,45,64,90,120,150 series

**Vertical Multistage Centrifugal
In-line Pumps**

50Hz



STAIRS INDUSTRIAL CO., LTD.

Product data

Vertical Multistage Centrifugal In-line Pumps



STAIRS PUMPS

Range	SB, SBI, SBN					
	1	3	5	10	15	20
50Hz						
Nominal flow〔m³/h〕	1.8	3	5.7	10	17	21
Flow range〔m³/h〕	0.7-2.4	1.2-4.5	2.5-8.5	5-13	8.5-23.5	10.5-29
Max. pressure〔bar〕	21.5	23	24	21.5	23	24.3
Fluid temperature〔℃〕	-15 to +120					
Motor power〔kW〕	0.37-2.2	0.37-3	0.37-5.5	0.37-7.5	1.1-15	1.1-18.5
Version						
SB: Cast iron and stainless steel EN 1.4301/AISI 304	●	●	●	●	●	●
SBI: Stainless steel EN 1.4301/AISI 304	●	●	●	●	●	●
SBN: Stainless steel EN 1.4401/AISI 316	●	●	●	●	●	●
Motor						
Mains connection 1〔V/Hz〕 (Permissible voltage tolerance ± 10%)	220-240 V 50 Hz					
Mains connection 3〔V/Hz〕 (Permissible voltage tolerance ± 10%)	0.37-7.5 kW 220-240/380-415 V 50 Hz From 11 kW 380-415 V 50 Hz					
Insulation class	F					
Enclosure class	IP 55					
Ambient temperature	50° C					
SB Pipe Connection						
Flange	DN 25/ DN 32	DN 25/ DN 32	DN 25/ DN 32	DN 40	DN 50	DN 50
SBI, SBN Pipe Connection						
Flange	DN 25/ DN 32	DN 25/ DN 32	DN 25/ DN 32	DN 40	DN 50	DN 50
Victaulic-connections	R 1 1/4 DN32	R 1 1/4 DN 32	R1 1/4 DN 32	R 2 DN 50	R 2 DN 50	R 2 DN 50
Mechanical Seals						
SiC/SiC	Standard					
Seals						
EPDM	Standard					
Viton						

* Flange standards : Refer to dimensional drawings

Product data

Vertical Multistage Centrifugal In-line Pumps



STAIRS PUMPS

Pump



The SB, SBI and SBN pumps are non-self priming vertical multistage pump of in-line design, flange or with Victaulic coupling with equally sized suction and discharge ports. Stage construction with stainless steel impellers, chambers and pressure casing. Pump stub shaft and motor shaft of the IEC-standards motor are directly close coupled. All pumps are equipped with a cartridge type mechanical seal for easy maintenance.

SB, SBI and SBN pumps have different pump sizes and various numbers of stages to provide the flow and the pressure required.

Applications

WATER SUPPLY AND PRESSURE BOOSTING

Pressure boosting in buildings, hotels, residential complexes
Pressure booster stations, supply of water networks
Pressure boosting for industrial water supply

IRRIGATION AND AGRICULTURE

Greenhouses
Sprinkler irrigation
Field irrigation (flooding)

LIGHT INDUSTRY

Washing and cleaning systems
Car washing facilities
Fire fighting systems
Process water systems
Machine tools (cooling lubricants)

WATER TREATMENT

Water softeners and de-mineralization
Reverse Osmosis systems
Distillation systems
Filtration
Ultra-filtration systems

HEATING, VENTILATION AND AIR-CONDITIONING

Boilers
Induction heating
Heat exchangers
Refrigerators
Cooling towers and systems
Temperature control systems

Product data

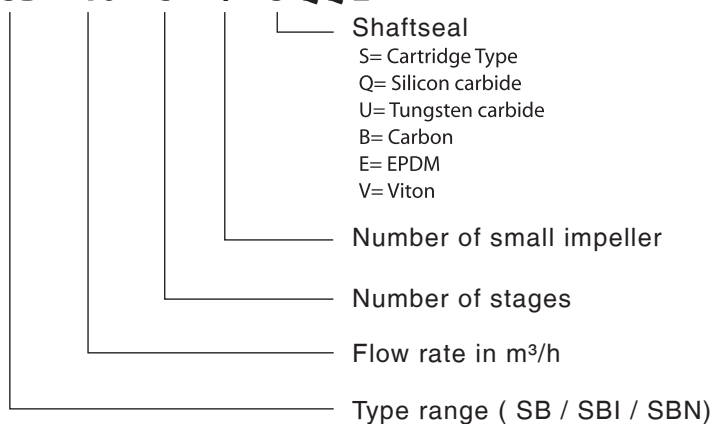
Vertical Multistage Centrifugal In-line Pumps



STAIRS PUMPS

Identification Code

SB - 10 - 5 - 1 - S Q Q E



Pump nameplate information

Type	①				
Model	②				
f	③	Hz	P2	④	kW
n	⑤	min ⁻¹	H _{max}	⑥	m
Q	⑦	m ³ /h	H	⑧	m
p _{max} /t _{max}	⑨	bar/°C	↺	⑩	
Serial No.	⑪				

CE

- ① Pump Type - Seal Type
- ② Pump Model
- ③ Frequency
- ④ Rated Power
- ⑤ Speed
- ⑥ Maximum Head
- ⑦ Capacity
- ⑧ Head Range
- ⑨ Max. Operating Pressure / Max. temperature
- ⑩ Rotating Direction
- ⑪ Serial number

Motor nameplate information

STAIRS ① INDUCTION MOTOR CE					
TYPE	②		FR.	③	POLES 2 IEC 60034
OUTPUT	④	HP	kW	RATING CONT.	INS. ⑤ IP ⑥
⑦ Hz	△	⑧	V	⑨	A E.F.F.% ⑩
	Y		V	A	rpm ⑪
BEARINGS	⑫			WEIGHT	kg
SER.NO.	⑬			DATE	

- ① Phase
- ② Motor Model
- ③ Frame
- ④ Rated Power
- ⑤ Insulation
- ⑥ International Protection
- ⑦ Frequency
- ⑧ Voltage
- ⑨ Ampere
- ⑩ Efficiency
- ⑪ Revolutions Per Minute
- ⑫ Bearing type
- ⑬ Serial number

Product data

Vertical Multistage Centrifugal In-line Pumps



STAIRS PUMPS

Mechanical Seal

Standard Cartridge type mechanical seal made of Silicon Carbide/Silicon Carbide/EPDM or Viton. Based on the type of application, alternative materials are available for the seal and the elastomers. The cartridge type mechanical seal can be replaced in minutes without special tools and without dismantling the pump.



List of Materials

Q : Silicon carbide	E : EPDM
U : Tungsten carbide	V : Viton
B : Carbon	

Type of Seal

Seal Type	SB/SBI/SBN		
	1/3/5/10/15/20 /32/45/64/90	120/150	
		0.5-60HP	75-100HP
Mechanical Seals			
S: O-ring seal Cartridge type	●	●	
B: Rubber bellows seal Cartridge type			●
QQ	●	●	●
UU	Optional	Optional	
QB	Optional	Optional	
UB	Optional	Optional	
Seals			
E	●	●	●
V	Optional	Optional	Optional

Minimum inlet pressure - NPSHA

Calculation of the inlet pressure "H" is recommended in these situations:

- The liquid temperature is high.
- The flow is significantly higher than the rated flow.
- Water is drawn from depths.
- Water is drawn through long pipes.
- Inlet conditions are poor.

To avoid cavitation, make sure that there is a minimum pressure on the suction side of the pump. The maximum suction lift "H" in feet can be calculated as follows:

$$H = P_b - \text{NPSHR} - H_f - H_v - H_s$$

P_b = Barometric pressure in feet absolute.
(Barometric pressure can be set to 33.9 feet. At sea level. In closed systems, p_b indicates system pressure in feet.)

NPSHR = Net Positive Suction Head Required in feet.
(To be read from the NPSHR curve at the highest flow the pump will be delivering.)

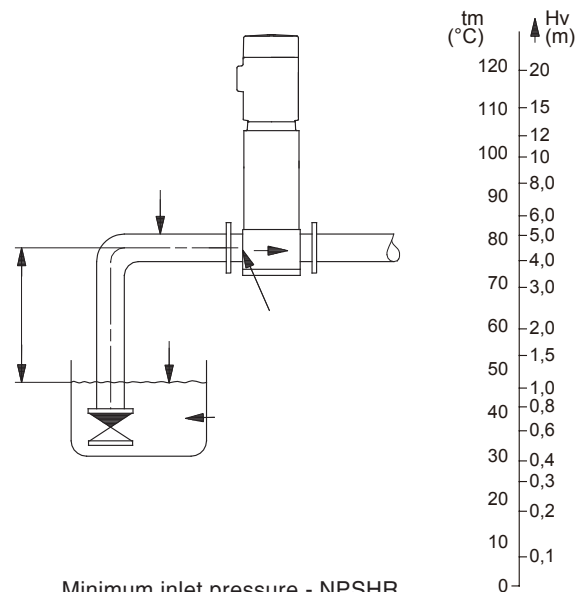
H_f = Friction loss in suction pipe in feet. (At the highest flow the pump will be delivering.)

H_v = Vapor pressure in feet. (To be read from the vapor pressure scale. " H_v " depends on the liquid temperature " T_m ").

H_s = Safety margin = minimum 2.0 feet.

If the "H" calculated is positive, the pump can operate at a suction lift of maximum "H" feet.

If the "H" calculated is negative, an inlet pressure of minimum "H" feet is required.



Minimum inlet pressure - NPSHR

Note: In order to avoid cavitation **never**, select a pump whose duty point lies too far to the right on the NPSHR curve.

Always check the NPSHR value of the pump at the highest possible flow.

Motor

- Squirrel cage in short circuit, aluminum casing up to 22 kW, totally enclosed, fan-cooled, 2-pole standard motor.
- Electrical data
 - ⊙ Enclosure class: IP55
 - ⊙ Insulation class: F
- The motors have efficiency values that fall within the range normally referred to as high efficiency.
- Ambient temperature: Max. +50°C

Motor Data

50Hz

Motor Type				Nominal current in [A]					
Pole	HP	kW	Flange	Frame	1Ø	3Ø		3Ø	
					220-240V	△ 220-240V	Y 380-415V	△ 380-415V	Y 660-720V
2	0.5	0.37	B14	71A	2.5 - 2.5	1.7 - 1.9	1.0 - 1.1	-----	-----
	0.75	0.55		71B	4.0 - 3.5	2.6 - 2.9	1.5 - 1.7	-----	-----
	1.0	0.75		80A	5.1 - 4.1	3.4 - 3.4	2.0 - 2.0	-----	-----
	1.5	1.1		80B	8.0 - 6.9	4.8 - 5.0	2.8 - 2.9	-----	-----
	2.0	1.5		90S	9.5 - 8.9	6.2 - 6.6	3.6 - 3.8	-----	-----
	3.0	2.2		90L	13.4 - 12.7	8.8 - 9.4	5.1 - 5.4	-----	-----
	4.0	3.0		100L	-----	11.8 - 12.3	6.8 - 7.1	6.8 - 6.9	3.9 - 4.0
	5.5	4.0		112M	-----	15.1 - 15.2	8.7 - 8.8	8.7 - 8.3	5.0 - 4.8
	7.5	5.5	B5	132S	-----	18.7 - 18.0	10.8 - 10.4	10.9 - 10.8	6.3 - 6.2
	10	7.5		132S	-----	25.5 - 24.9	14.7 - 14.4	14.9 - 14.8	8.6 - 8.5
	15	11		160M	-----	38.8 - 39.1	22.4 - 22.6	22.9 - 23.8	13.2 - 13.7
	20	15		160M	-----	49.3 - 46.5	28.5 - 26.9	24.9 - 29.0	16.9 - 16.7
	25	18.5		160L	-----	60.2 - 55.4	34.8 - 32.0	35.2 - 33.5	20.3 - 19.3
	30	22		180M	-----	71.3 - 67.5	41.2 - 39.0	41.3 - 39.6	23.8 - 22.8
	40	30		200L	-----	-----	-----	55.4 - 50.7	31.9 - 29.2
	50	37		200L	-----	-----	-----	67.7 - 62.0	39.0 - 35.7
	60	45		225M	-----	-----	-----	82.3 - 75.4	47.4 - 43.4
	75	55		250M	-----	-----	-----	101 - 92.5	58.2 - 53.3
	100	75		280S	-----	-----	-----	134 - 123	77.2 - 70.7

Max. Operating Pressure and Inlet Pressures

Vertical Multistage Centrifugal In-line Pumps



STAIRS PUMPS

Maximum inlet pressure

The following table shows the maximum permissible inlet pressure. However, the current inlet pressure + the pressure against a closed valve must always be lower than the maximum permissible operating pressure.

If the maximum permissible operating pressure is exceeded, the bearing in the motor may be damaged and the life of the shaft seal reduced.

* Rule to follow : The inlet pressure+ the pressure against a closed valve < Max. Operating pressure.

50Hz

Pump type	Stages	Max. Operating Pressure	Stages	Max. Inlet Pressures
SB(I/N) 1	2 - 36	25 bar	2 - 36	10 bar
SB(I/N) 3	2 - 36	25 bar	2 - 29	10 bar
			31 - 36	15 bar
SB(I/N) 5	2 - 36	25 bar	2 - 16	10 bar
			18 - 36	15 bar
SB(I/N) 10	1 - 16	16 bar	1 - 6	8 bar
	17 - 22	25 bar	7 - 22	10 bar
SB(I/N) 15	1 - 10	16 bar	1 - 3	8 bar
	12 - 17	25 bar	4 - 17	10 bar
SB(I/N) 20	1 - 10	16 bar	1 - 3	8 bar
	12 - 17	25 bar	4 - 17	10 bar
SB(I/N) 32	(1-1) - 7	16 bar	(1-1) - 4	4 bar
	(8-2) - 14	30 bar	(5-2) - 10	10 bar
			(11-2) - 14	15 bar
SB(I/N) 45	(1-1) - 5	16 bar	(1-1) - 2	4 bar
	(6-2) - 11	30 bar	(3-2) - 5	10 bar
	(12-2) - (13-2)	33 bar	(6-2) - (13-2)	15 bar
SB(I/N) 64	(1-1) - 5	16 bar	(1-1) - (2-2)	4 bar
	(6-2) - (8-1)	30 bar	(2-1) - (4-2)	10 bar
			(4-1) - (8-1)	15 bar
SB(I/N) 90	(1-1) - 4	16 bar	(1-1) - 1	4 bar
	(5-2) - 6	30 bar	(2-1) - (3-2)	10 bar
			3 - 6	15 bar
SB(I/N) 120	1 - 7	30 bar	1 - (2-1)	10 bar
			2 - (5-1)	15 bar
			(6-1) - 7	20 bar
SB(I/N) 150	(1-1) - 6	30 bar	(1-1) - 1	10 bar
			(2-1) - (4-2)	15 bar
			(5-2) - 6	20 bar

Example of operating and inlet pressures

The values for operating and inlet pressures shown in the tables must not be considered individually but must always be compared, see the following examples:

Example 1:

The following pump type has been selected: SB 3-29

Max. operating pressure: 25 bar

Max. inlet pressure: 10 bar

Discharge pressure against a closed valve: 18.6 bar , (see p.16)

This pump is not allowed to start at an inlet pressure of 10 bar ,

but at an inlet pressure of 25 bar - 18.6 bar = 6.4 bar.

Example 2:

The following pump type has been selected: SB 10-2

Maximum operating pressure: 16 bar.

Maximum inlet pressure: 8 bar.

Discharge pressure against a closed valve: 2 bar. (See p.16)

This pump is allowed to start at an inlet pressure of 8 bar, as the discharge pressure against a closed valve is only 2 bar, which results in an operating pressure of 8 bar + 2 bar = 10 bar.

On the contrary, the maximum operating pressure of this pump is limited to 16 bar as a higher operating pressure will require an inlet pressure of more than 8 bar.



Pumped Liquids

SB (I, N) pumps can handle a wide variety of liquids, each with its own characteristic.

SB(I)

Non-corrosive liquids

For fluid transfer, circulation and pressure boosting of cold or hot clean water.

SBN

Industrial liquids

Light acids

The fluids covered in the list are not complete. Data on the application limits of different pump materials when handling any of the listed fluids are considered to be the best choices. However, the table is intended as a general guide only, and cannot replace actual testing of the pumped fluids and pump materials under specific working conditions.

When choosing the pump version, sufficient attention should be given to the flow medium, such as density, solidification point, viscosity as well as ex-protection requirement. The limits of applicability of the pumps, based on pressure and temperature must also be considered.

● Recommended

Pumped fluid	"Fluid Concentration, temperature"	SB (I)		SBN	
		EPDM	Viton	EPDM	Viton
Acetic acid anhydride	25°C			●	
Alkaline cleaner		●			
Aluminium sulphate	10%, 25°C				●
Ammonia water (A. hydroxide)	20%, 40°C	●			
Ammonia hydrogen carbonate	10%, 40°C	●		●	
Benzoic acid	10%, 90°C				●
Boric acid	Unsaturated solution, 60°C				●
Butanol	60°C	●			
Calcium acetate	30%, 50°C	●			
Calcium hydroxide	Saturated solution, 50°C	●			
Chromic acid	1%, 20°C				●
Condensate	90°C	●			
Copper sulphate	Unsaturated solution, 60°C				●
Deionic (fully desalinated water)	50°C			●	
Ethanol	100%, 20°C	●			
Ethylene glycol/Diethylene glycol	40%, 70°C	●	●	●	●
Fixer	25°C				●
Formic acid	5%, 20°C			●	

Technical data

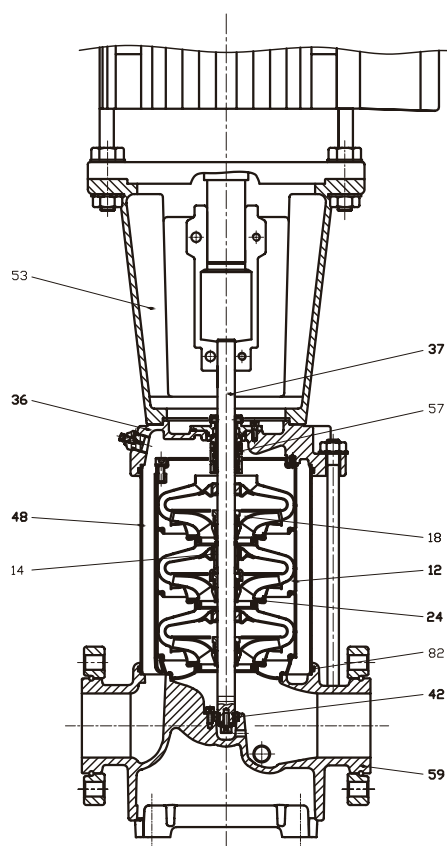
Vertical Multistage Centrifugal In-line Pumps



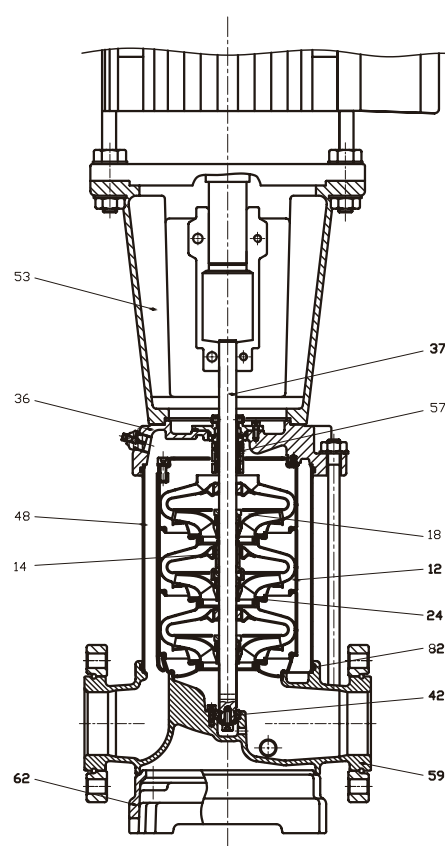
STAIRS PUMPS

Pumped fluid	"Fluid Concentration, temperature"	SB (I)		SBN	
		EPDM	Viton	EPDM	Viton
Fruit juice	50°C				●
Glycerine	50%, 50°C	●			
Heating oil (Light)		●			●
Hydraulic oil	100%, 100°C		●		
Isopropanol		●			
Lactic acid	10%, 20°C				●
Linoleic acid	100%, 20°C	●			
Linseed oil	60°C		●		
Liqueur	60°C				●
Maize oil	80°C		●		
Maleic acid	50%, 50°C				●
Methanol	100%, 20°C	●			
Motor oil	100%, 80°C	●			
Oil-water-mixture	100°C		●		
Oxalic acid	1%, 20°C			●	
Peanut oil	100%, 80°C		●		
Phosphoric acid	20%, 20°C			●	
Polyglycols	90°C		●		●
Polyethylene glycols	40%, 70°C	●			
Potassium carbonate	10%, 60°C	●			
Potassium hydrogen carbonate	10%, 60°C	●			
Potassium permanganate	5%, 20°C			●	
Potassium sulphate	Unsaturated solution, 80°C			●	
Rapeseed oil	100%, 80°C		●		
Silicone oil	100%		●		
Sodium carbonate	10%, 60°C			●	
Sodium hydroxide	25%, 50°C			●	
Sodium nitrate	Unsaturated solution, 80°C			●	
Sodium phosphate	5%, 100°C			●	
Sodium sulphate	10%, 60°C			●	
Sulphuric acid	5%, 25°C				●
Water					
Swimming pool water	35°C	● SBI		●	
Deionic	50°C			●	
Distilled water	50°C			●	
Decarbonated water				●	
Soft water				●	
Heating water				●	
Boiler water				●	
Pure water				●	
Rinsing water		● SBI		●	

SB-32,45,64,90



SBI(N)-32,45,64,90



CONSTRUCTION

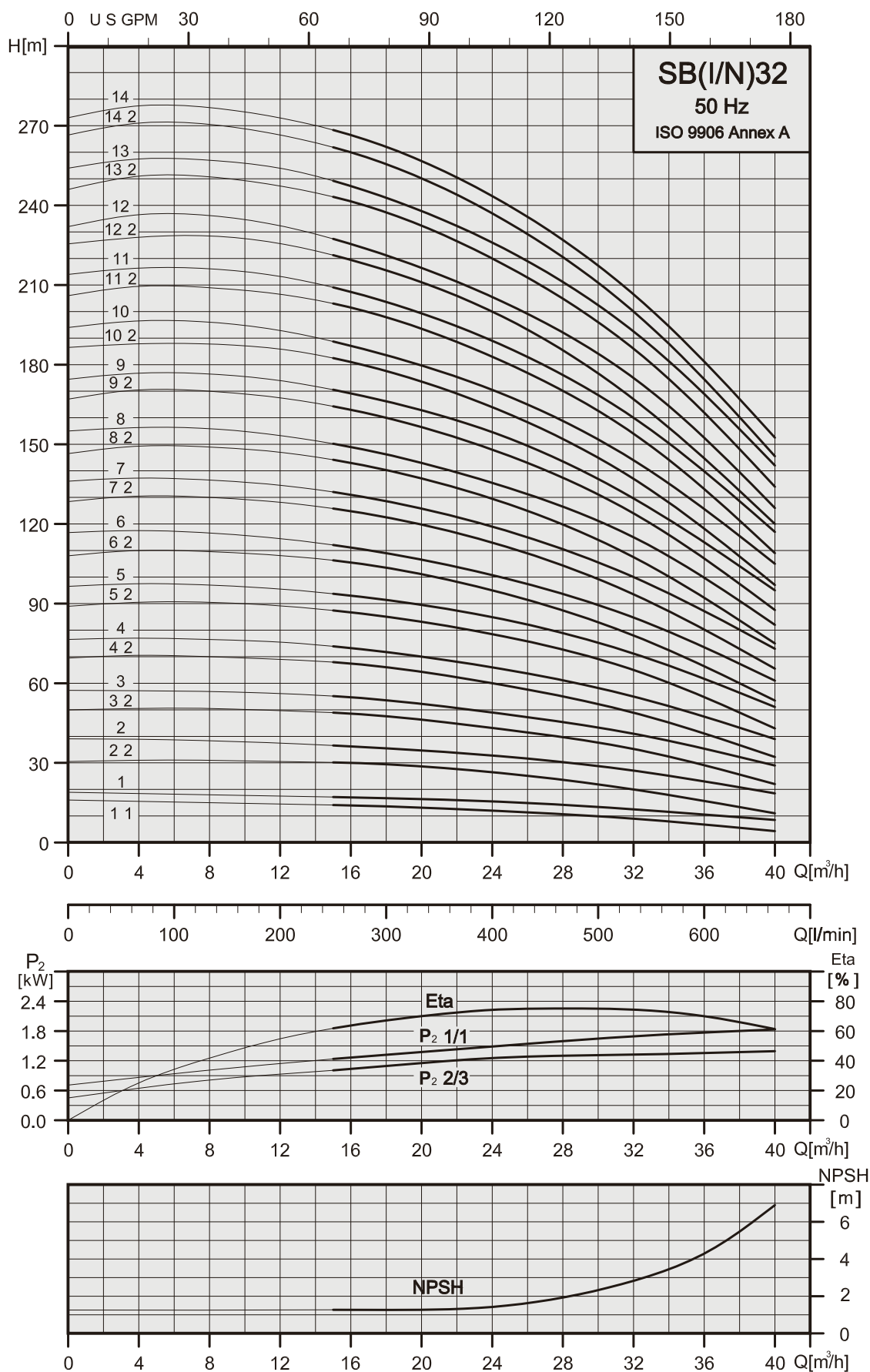
Pos.	Name	Material	SB 32, 45, 64, 90		SBI 32, 45, 64, 90		SBN 32, 45, 64, 90	
			Standard		Standard		Standard	
			Europe	USA	Europe	USA	Europe	USA
36	Pump head	Cast Iron	EN-GJL-250	ASTM 35B				
		Stainless steel			1.4301	AISI 304	1.4401	AISI 316
53	Motor Bracket	Cast Iron	EN-GJL-250	ASTM 35B	EN-GJL-250	ASTM 35B	EN-GJL-250	ASTM 35B
18	Impeller	Stainless steel	1.4301	AISI 304	1.4301	AISI 304	1.4401	AISI 316
37	Shaft	Stainless steel	1.4057	AISI 431	1.4057	AISI 431	1.4401	AISI 316
48	Outer Sleeve	Stainless steel	1.4301	AISI 304	1.4301	AISI 304	1.4401	AISI 316
82	O-ring for outer sleeve	EPDM						
12	Chamber	Stainless steel	1.4301	AISI 304	1.4301	AISI 304	1.4401	AISI 316
24	Neck ring	Carbon Fiber + POB + PTFE						
59	Base	Cast Iron	EN-GJL-250	ASTM 35B	N/A			
	Base	Stainless steel		N/A	1.4301	AISI 304	1.4401	AISI 316
62	Base plate	Cast Iron		N/A	EN-GJL-250	ASTM 35B	EN-GJL-250	ASTM 35B
57	Mechanical seal	Cartridge type						
14	Bearing ring			Bronze			POB+Graphite+PTFE	
42	Bottom bearing ring	Tungsten carbide/ Tungsten carbide						

Performance Curves

Vertical Multistage Centrifugal In-line Pumps

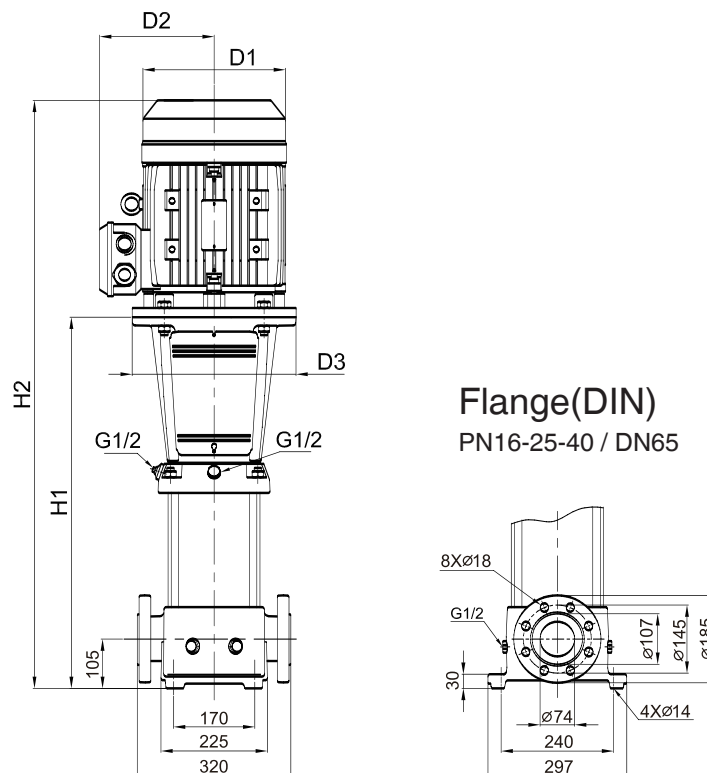
SB(I/N) 32

SB, SBI, SBN 32





SB 32

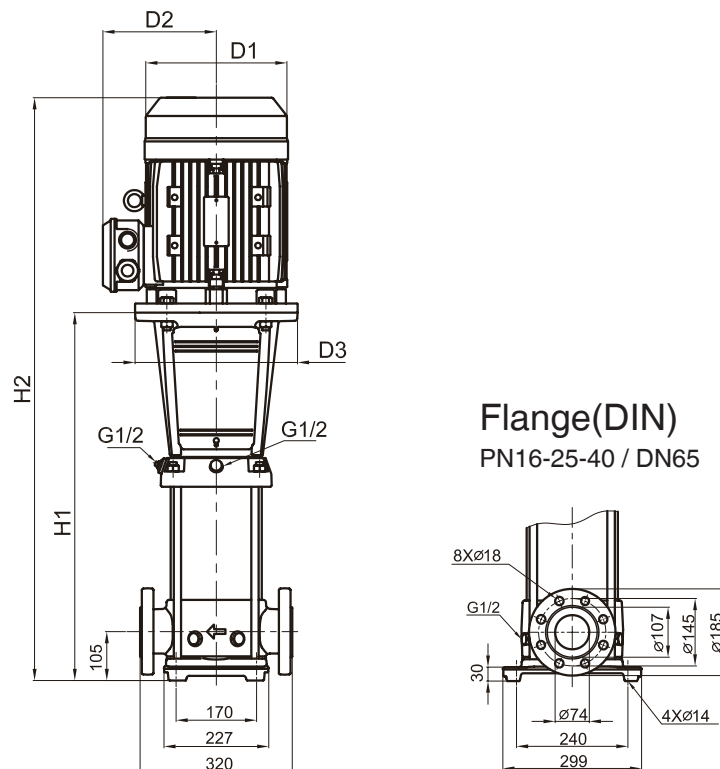


SB 32

50Hz	Motor		Nominal current [A]						Dimension[mm]					Net weight
	P ₂		1ø	3ø		3ø		DIN flange					[kg]	
Pump type	[kW]	[HP]	220-240V	△220-240V	Y380-415V	△380-415V	Y660-720V	H1	H2	D1	D2	D3	DIN flange	
SB 32-1-1	1.5	2.0	6.2 - 6.6	9.5 - 8.9	3.6 - 3.8	- - - - -	- - - - -	504	799	177	141	280	72.5	
SB 32-1	2.2	3.0	13.4 - 12.7	8.8 - 9.4	5.1 - 5.4	- - - - -	- - - - -	504	799	177	141	280	74.3	
SB 32-2-2	3.0	4.0	- - - - -	11.8 - 12.3	6.8 - 7.1	6.8 - 6.9	3.9 - 4.0	574	890	197	147	280	85.6	
SB 32-2	4.0	5.5	- - - - -	15.1 - 15.2	8.7 - 8.8	8.7 - 8.3	5.0 - 4.8	574	900	220	161	280	89.6	
SB 32-3-2	5.5	5.5	- - - - -	18.7 - 18.0	10.8 - 10.4	10.9 - 10.8	6.3 - 6.2	644	1006	235	197	300	109.5	
SB 32-3	5.5	7.5	- - - - -	18.7 - 18.0	10.8 - 10.4	10.9 - 10.8	6.3 - 6.2	644	1006	235	197	300	109.5	
SB 32-4-2	7.5	10	- - - - -	25.5 - 24.9	14.7 - 14.4	14.9 - 14.8	8.6 - 8.5	714	1119	235	197	300	118.4	
SB 32-4	7.5	10	- - - - -	25.5 - 24.9	14.7 - 14.4	14.9 - 14.8	8.6 - 8.5	714	1119	235	197	300	118.4	
SB 32-5-2	11.0	15	- - - - -	38.8 - 39.1	22.4 - 22.6	22.9 - 23.8	13.2 - 13.7	894	1339	269	215	350	158.8	
SB 32-5	11.0	15	- - - - -	38.8 - 39.1	22.4 - 22.6	22.9 - 23.8	13.2 - 13.7	894	1339	269	215	350	158.8	
SB 32-6-2	11.0	15	- - - - -	38.8 - 39.1	22.4 - 22.6	22.9 - 23.8	13.2 - 13.7	964	1409	269	215	350	161.8	
SB 32-6	11.0	15	- - - - -	38.8 - 39.1	22.4 - 22.6	22.9 - 23.8	13.2 - 13.7	964	1409	269	215	350	161.8	
SB 32-7-2	15.0	20	- - - - -	49.3 - 46.5	28.5 - 26.9	24.9 - 29.0	16.9 - 16.7	1034	1524	269	215	350	175.5	
SB 32-7	15.0	20	- - - - -	49.3 - 46.5	28.5 - 26.9	24.9 - 29.0	16.9 - 16.7	1034	1524	269	215	350	175.5	
SB 32-8-2	15.0	20	- - - - -	49.3 - 46.5	28.5 - 26.9	24.9 - 29.0	16.9 - 16.7	1104	1594	269	215	350	178.6	
SB 32-8	15.0	20	- - - - -	49.3 - 46.5	28.5 - 26.9	24.9 - 29.0	16.9 - 16.7	1104	1594	269	215	350	178.6	
SB 32-9-2	18.5	25	- - - - -	60.2 - 55.4	34.8 - 32.0	35.2 - 33.5	20.3 - 19.3	1174	1714	318	241	350	214.6	
SB 32-9	18.5	25	- - - - -	60.2 - 55.4	34.8 - 32.0	35.2 - 33.5	20.3 - 19.3	1174	1714	318	241	350	214.6	
SB 32-10-2	18.5	25	- - - - -	60.2 - 55.4	34.8 - 32.0	35.2 - 33.5	20.3 - 19.3	1244	1784	318	241	350	217.7	
SB 32-10	18.5	25	- - - - -	60.2 - 55.4	34.8 - 32.0	35.2 - 33.5	20.3 - 19.3	1244	1784	318	241	350	217.7	
SB 32-11-2	22.0	30	- - - - -	71.3 - 67.5	41.2 - 39.0	41.3 - 39.6	23.8 - 22.8	1314	1854	318	241	350	232.8	
SB 32-11	22.0	30	- - - - -	71.3 - 67.5	41.2 - 39.0	41.3 - 39.6	23.8 - 22.8	1314	1854	318	241	350	232.8	
SB 32-12-2	22.0	30	- - - - -	71.3 - 67.5	41.2 - 39.0	41.3 - 39.6	23.8 - 22.8	1384	1924	318	241	350	234.8	
SB 32-12	22.0	30	- - - - -	71.3 - 67.5	41.2 - 39.0	41.3 - 39.6	23.8 - 22.8	1384	1924	318	241	350	234.8	
SB 32-13-2	30.0	40	- - - - -	- - - - -	- - - - -	55.4 - 50.7	31.9 - 29.2	1454	2114	390	295	400	341.2	
SB 32-13	30.0	40	- - - - -	- - - - -	- - - - -	55.4 - 50.7	31.9 - 29.2	1454	2114	390	295	400	341.2	
SB 32-14-2	30.0	40	- - - - -	- - - - -	- - - - -	55.4 - 50.7	31.9 - 29.2	1524	2184	390	295	400	344.3	
SB 32-14	30.0	40	- - - - -	- - - - -	- - - - -	55.4 - 50.7	31.9 - 29.2	1524	2184	390	295	400	344.3	



SBI / SBN 32



Flange(DIN)
PN16-25-40 / DN65

SBI ,SBN 32

50Hz	Motor		Nominal current [A]					Dimension[mm]					Net weight [kg]
	P ₂		1ø	3ø	3ø	3ø	3ø	DIN flange		D1	D2	D3	
Pump type	[kW]	[HP]	220-240V	Δ220-240V	Y380-415V	Δ380-415V	Y660-720V	H1	H2				DIN flange
SBI(N) 32-1-1	1.5	2.0	6.2 - 6.6	9.5 - 8.9	3.6 - 3.8	-----	-----	504	799	177	141	280	67.5
SBI(N) 32-1	2.2	3.0	13.4 - 12.7	8.8 - 9.4	5.1 - 5.4	-----	-----	504	799	177	141	280	69.3
SBI(N) 32-2-2	3.0	4.0	-----	11.8 - 12.3	6.8 - 7.1	6.8 - 6.9	3.9 - 4.0	574	890	197	147	280	80.5
SBI(N) 32-2	4.0	5.5	-----	15.1 - 15.2	8.7 - 8.8	8.7 - 8.3	5.0 - 4.8	574	900	220	161	280	84.5
SBI(N) 32-3-2	5.5	5.5	-----	18.7 - 18.0	10.8 - 10.4	10.9 - 10.8	6.3 - 6.2	644	1006	235	197	300	104.4
SBI(N) 32-3	5.5	7.5	-----	18.7 - 18.0	10.8 - 10.4	10.9 - 10.8	6.3 - 6.2	644	1006	235	197	300	104.4
SBI(N) 32-4-2	7.5	10	-----	25.5 - 24.9	14.7 - 14.4	14.9 - 14.8	8.6 - 8.5	714	1119	235	197	300	113.5
SBI(N) 32-4	7.5	10	-----	25.5 - 24.9	14.7 - 14.4	14.9 - 14.8	8.6 - 8.5	714	1119	235	197	300	113.5
SBI(N) 32-5-2	11.0	15	-----	38.8 - 39.1	22.4 - 22.6	22.9 - 23.8	13.2 - 13.7	894	1339	269	215	350	153.8
SBI(N) 32-5	11.0	15	-----	38.8 - 39.1	22.4 - 22.6	22.9 - 23.8	13.2 - 13.7	894	1339	269	215	350	153.8
SBI(N) 32-6-2	11.0	15	-----	38.8 - 39.1	22.4 - 22.6	22.9 - 23.8	13.2 - 13.7	964	1409	269	215	350	156.9
SBI(N) 32-6	11.0	15	-----	38.8 - 39.1	22.4 - 22.6	22.9 - 23.8	13.2 - 13.7	964	1409	269	215	350	156.9
SBI(N) 32-7-2	15.0	20	-----	49.3 - 46.5	28.5 - 26.9	24.9 - 29.0	16.9 - 16.7	1034	1524	269	215	350	170.6
SBI(N) 32-7	15.0	20	-----	49.3 - 46.5	28.5 - 26.9	24.9 - 29.0	16.9 - 16.7	1034	1524	269	215	350	170.6
SBI(N) 32-8-2	15.0	20	-----	49.3 - 46.5	28.5 - 26.9	24.9 - 29.0	16.9 - 16.7	1104	1594	269	215	350	173.9
SBI(N) 32-8	15.0	20	-----	49.3 - 46.5	28.5 - 26.9	24.9 - 29.0	16.9 - 16.7	1104	1594	269	215	350	173.9
SBI(N) 32-9-2	18.5	25	-----	60.2 - 55.4	34.8 - 32.0	35.2 - 33.5	20.3 - 19.3	1174	1714	318	241	350	201.6
SBI(N) 32-9	18.5	25	-----	60.2 - 55.4	34.8 - 32.0	35.2 - 33.5	20.3 - 19.3	1174	1714	318	241	350	201.6
SBI(N) 32-10-2	18.5	25	-----	60.2 - 55.4	34.8 - 32.0	35.2 - 33.5	20.3 - 19.3	1244	1784	318	241	350	204.2
SBI(N) 32-10	18.5	25	-----	60.2 - 55.4	34.8 - 32.0	35.2 - 33.5	20.3 - 19.3	1244	1784	318	241	350	204.2
SBI(N) 32-11-2	22.0	30	-----	71.3 - 67.5	41.2 - 39.0	41.3 - 39.6	23.8 - 22.8	1314	1854	318	241	350	227.6
SBI(N) 32-11	22.0	30	-----	71.3 - 67.5	41.2 - 39.0	41.3 - 39.6	23.8 - 22.8	1314	1854	318	241	350	227.6
SBI(N) 32-12-2	22.0	30	-----	71.3 - 67.5	41.2 - 39.0	41.3 - 39.6	23.8 - 22.8	1384	1924	318	241	350	230.3
SBI(N) 32-12	22.0	30	-----	71.3 - 67.5	41.2 - 39.0	41.3 - 39.6	23.8 - 22.8	1384	1924	318	241	350	230.3
SBI(N) 32-13-2	30.0	40	-----	-----	-----	55.4 - 50.7	31.9 - 29.2	1454	2114	390	295	400	336.6
SBI(N) 32-13	30.0	40	-----	-----	-----	55.4 - 50.7	31.9 - 29.2	1454	2114	390	295	400	336.6
SBI(N) 32-14-2	30.0	40	-----	-----	-----	55.4 - 50.7	31.9 - 29.2	1524	2184	390	295	400	339.3
SBI(N) 32-14	30.0	40	-----	-----	-----	55.4 - 50.7	31.9 - 29.2	1524	2184	390	295	400	339.3



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