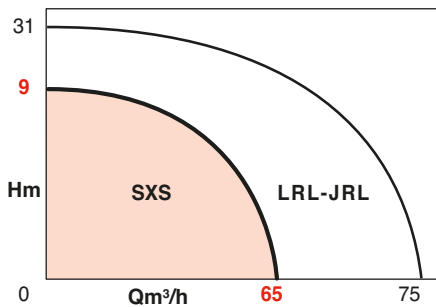


OPERATING RANGES

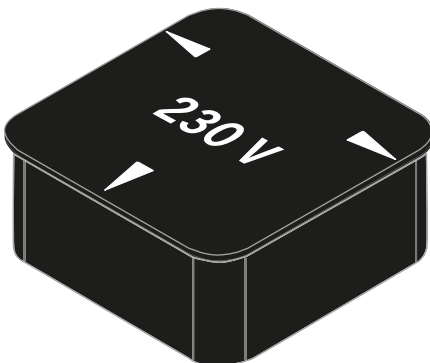
Flow rates of up to	65 m ³ /h
Manometric heads of up to	9 m
Max. operating pressure	10 bar
Max. ambient temperature	+ 40°C
Max. loop* temperature *	+ 60°C
Water hardness (TH)	35°F
DN ports	DN 32 at 80

* -10 à + 110°C for the circulating pump



BENEFITS

- **Reliable components**
- **Motor compartment insulated by a mechanical seal.**
- **Motor equipped with an integral (and automatic in SXS 32-35M) isothermal sensor**
- **Compact size.**
- **Easy to install - no alignment problems.**
- **Harmless materials in contact with water - maintains water quality.**
- **Very quiet operation as all rotating parts and components in contact with water are integrated into the motor cartridge.**
- **Choice of operating speeds (dual voltage, three-speed motor in three-phase).**
- **Automatic venting.**
- **Maintenance-free**



• 3-speed selector~230 V (accessory)

SXS

CIRCULATING PUMPS FOR COLLECTIVE APPLICATIONS

**Domestic hot water
Bronze housing
2 poles – 50 Hz**

APPLICATIONS

This circulating pump is only suitable for drinking water.

Accelerated circulation in domestic hot water loops.
Instant hot water on demand.

- Collective housing
- Offices
- Local authorities
- Industries
- Hospitals
- Hotels, etc.

Certified
ACS



Eau chaude Sanitaire
Circulateurs eau chaude sanitaire

DESIGN

• Hydraulic part
 - Housing with G2 pipe unions for SXS 32-35(M) and flanges equipped with pressure taps at the suction and discharge ends for other models.
 - In-line ports, DN 40 to 80 - PN 10/16.

• Motor
 - 2-pole, 3-speed motors (except for SXS 40-40M: 2-pole - 2 speed)
 - Wet runner.
 - Integral ipsothermal sensor for exterior connection.
 - Self-lubricating bearings.

Rotation speed: see table
 Winding: Dual voltage with 3 speeds chosen via a plug-in selector connected to the voltage (400 V **three-phase** supplied as standard, 230 V three-phase as an option)
 230 V **single-phase**

Frequency: 50 Hz
 Insulation class: H
 Protection class: IPX4D
 Conformity : CE
 Immunity EN 61000-6-2
 Emission EN 61000-6-3

BASIC CONSTRUCTION

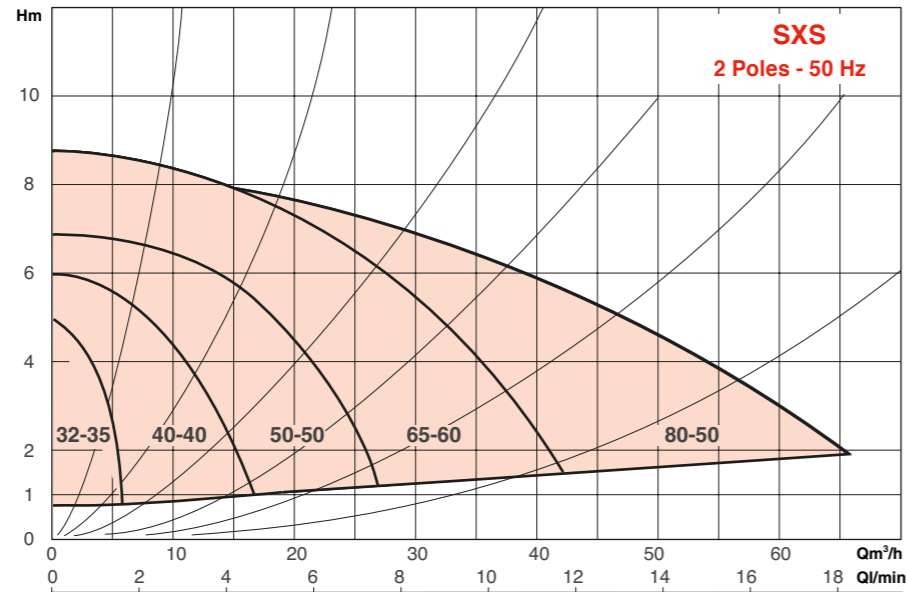
Main parts	Material
Pump housing	Bronze
Motor shaft	X 35 CrMo 17
Impeller	PPS Composite
Bearings	Resin-impregnated carbon

IDENTIFICATION

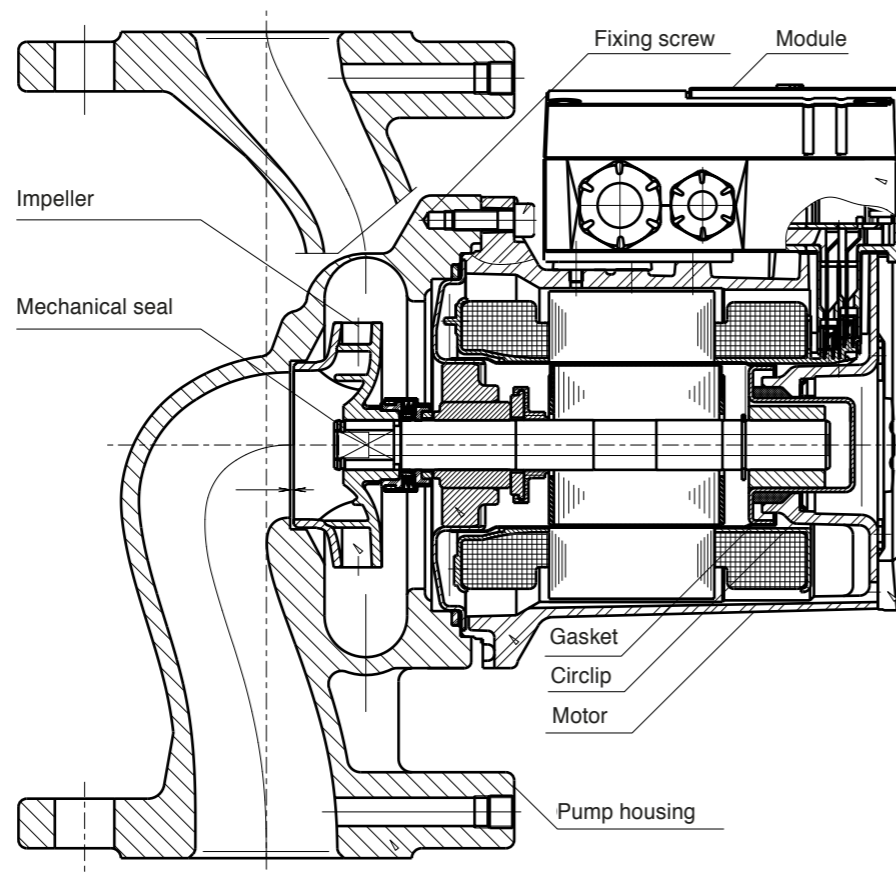
SXS 40-40 M

SXS: single domestic hot water circulating pump
 ND of ports (mm)
 HMT (dm) at rated capacity
 If M: single-phase model

PRE-SELECTION NOMOGRAPH



SECTIONAL DRAWING

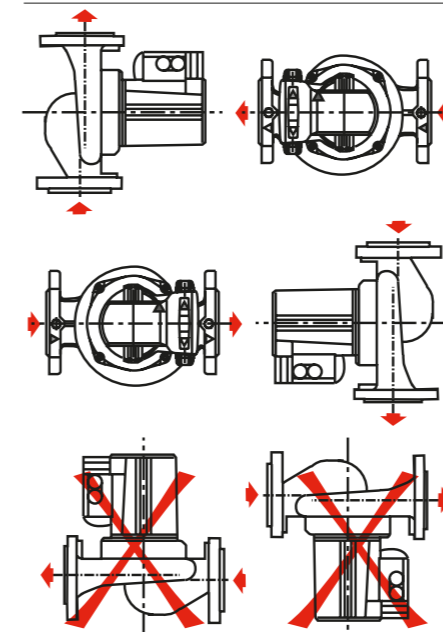


INSTALLATION PRINCIPLES

• Flooded head
 Minimum flooded head (in m wc) at the circulating pump intake, according to the operating temperature.

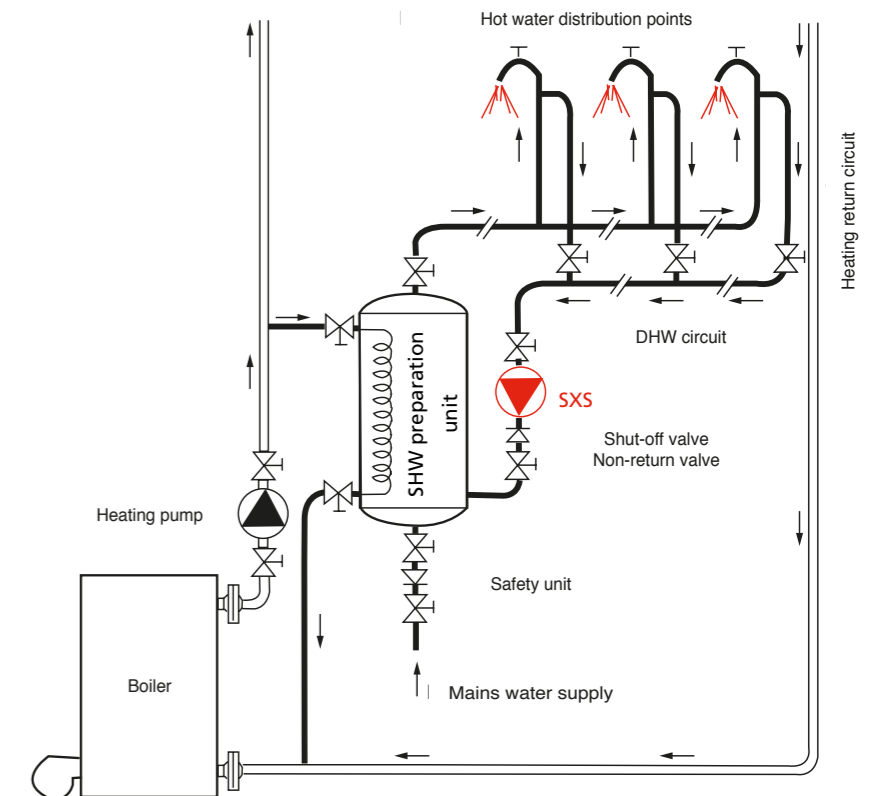
	+ 40°C	+ 80°C	+110°C
DN 32	5 m	8 m	20 m
DN 40	5 m	8 m	20 m
DN 50	8 m	10 m	30 m
DN 65	8 m	10 m	30 m
DN 80	8 m	10 m	30 m

• Installation positions



• Installation diagram

Circulating pump on return circuit of the domestic hot water distribution loop. (Max. temperature of circuit = 60°C – DTU (French Codes of Practice) standard)

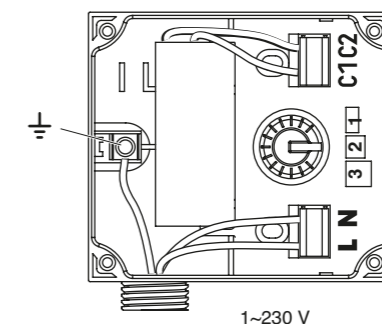


SPEED/VOLTAGE SELECTION

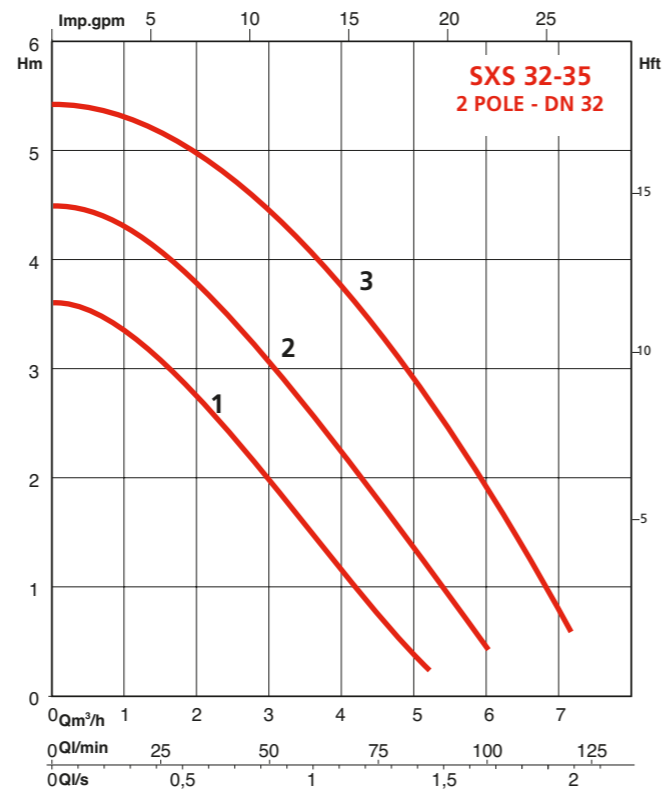
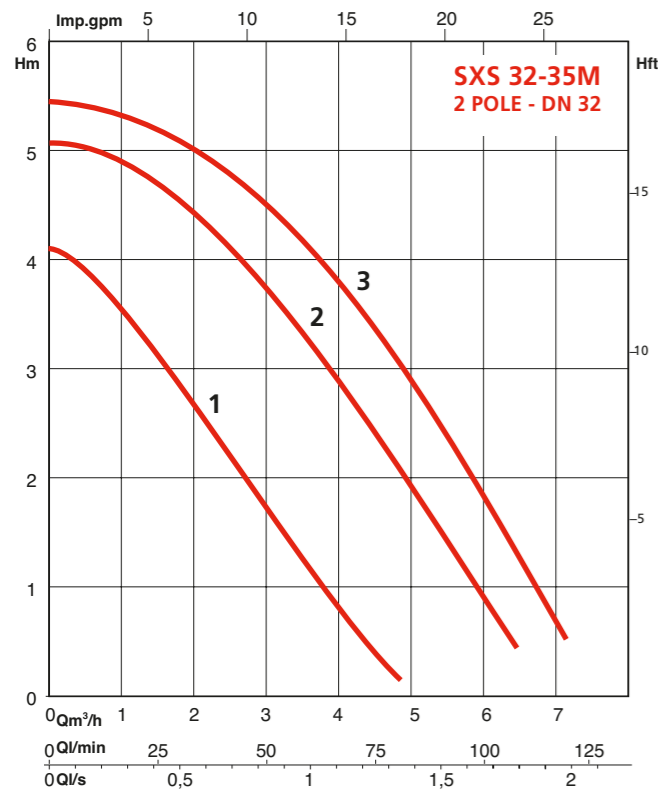
• Voltage selection
 A plug-in selector is used to select the voltage:



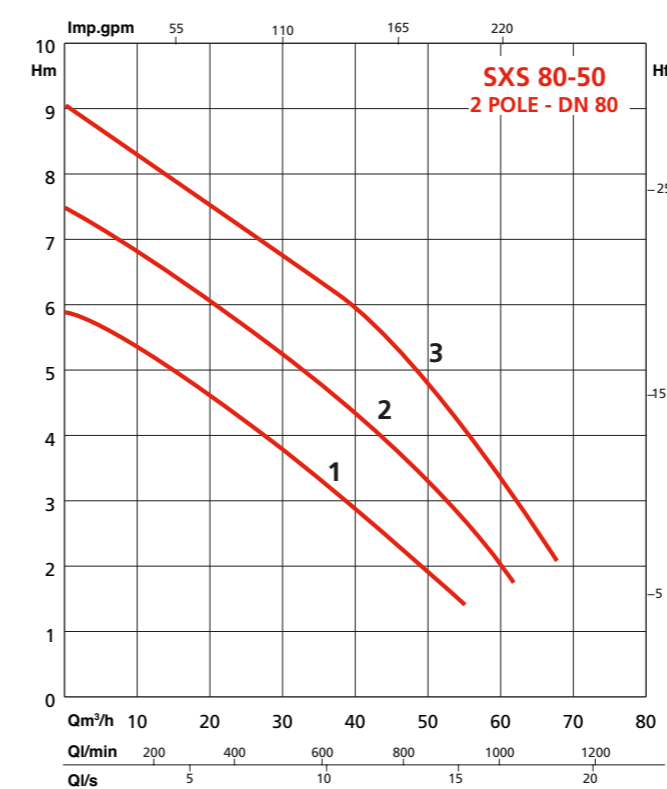
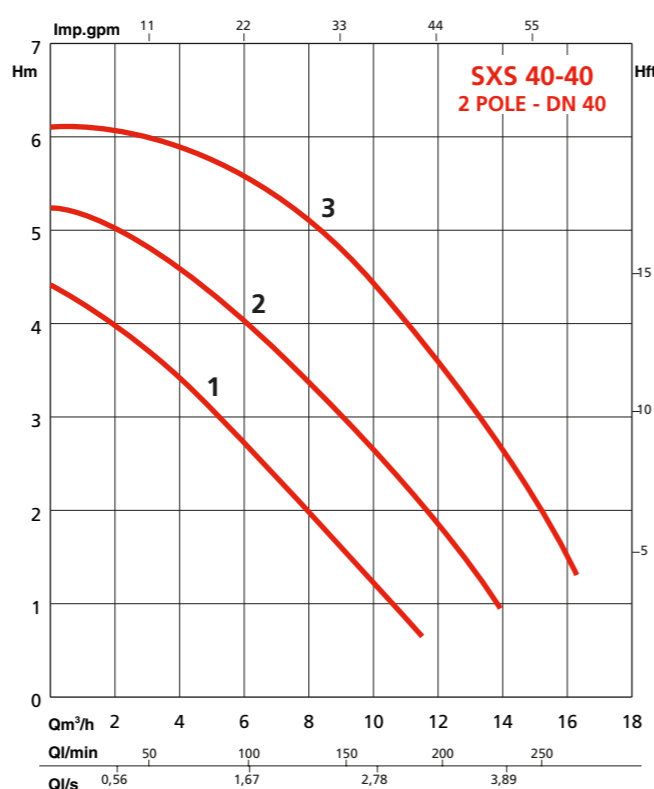
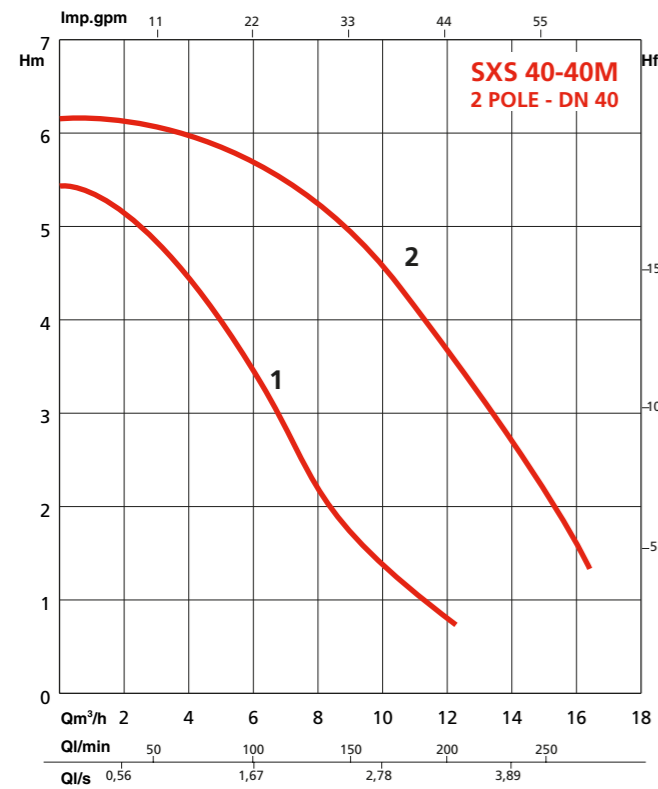
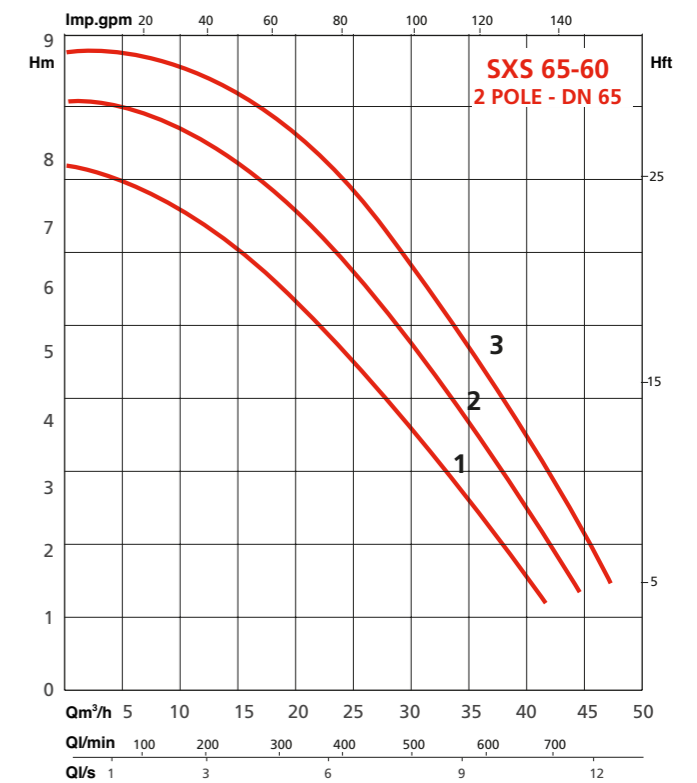
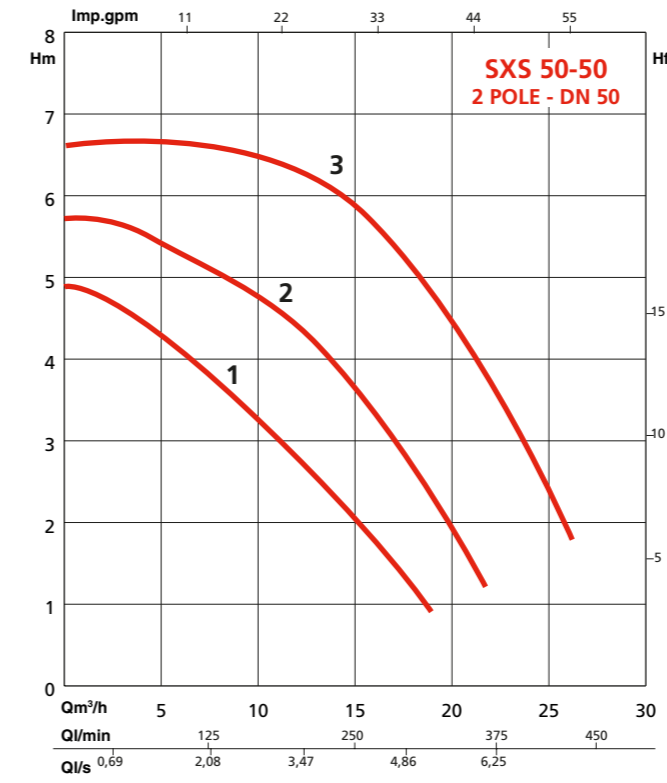
• Speed selection
 The operating speed of the circulating pump is linked to the supply voltage of the motor. The selected speed is shown in the upper window of the terminal box. For SXS 32-35M, the speed is chosen by a rotating selector.



HYDRAULIC PERFORMANCE



HYDRAULIC PERFORMANCE



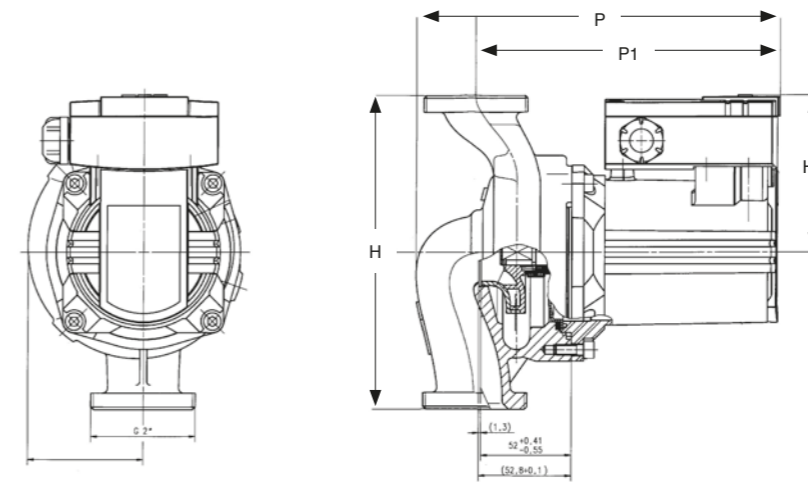
Eau chaude sanitaire
Circulateurs eau chaude sanitaire

ELECTRICAL SPECIFICATIONS

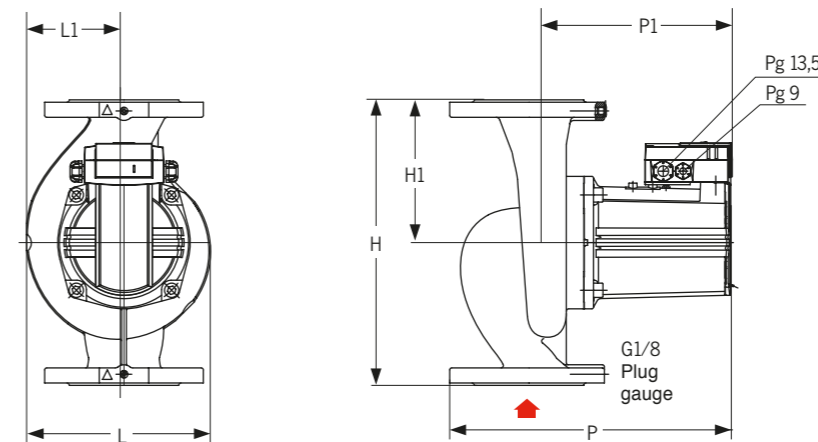
ORDER REFERENCE	Capacitor μF	Selector position	Speed rpm	Power P2 max W	Network power cons.		Max. current (A)			Motor unit	Ref.
					P1Min W	P1 Max W	1~230V	3~230V	3~400V		
SXS 32-35M	5 x 400	1	2100	90	70	110	0,56			BMSXS32-35M	2045568
		2	2500	90	100	145	0,72				
		3	2700	90	135	165	0,8				
SXS 32-35		1	2050	90	50	80		0,26	0,15	BMSXS32-35N	2095378
		2	2350	90	70	105		0,37	0,21		
		3	2700	90	105	155		1,72	0,42		
SXS 40-40M	8 x 400	1	2400	180	175	310	1,54			BMSXS40-40M	2065416
		2	2700	180	240	340	1,62				
SXS 40-40		1	2000	180	120	180		0,55	0,32	BMSXS40-40N	2065415
		2	2300	180	145	240		0,76	0,44		
		3	2700	180	195	320		1,22	0,7		
SXS 50-50		1	2000	350	240	390		1,19	0,69	BMSXS50-50N	2065417
		2	2300	350	280	520		1,6	0,92		
		3	2700	350	375	680		2,38	1,38		
SXS 65-60		1	2500	700	515	720		2,25	1,3	BMSXS65-60N	2065418
		2	2700	700	580	840		2,68	1,55		
		3	2850	700	760	1050		4,19	2,42		
SXS 80-50		1	2200	1100	865	940		2,91	1,68	BMSXS80-50N	2065419
		2	2500	1100	1055	1155		3,56	2,06		
		3	2800	1100	1290	1440		5,06	2,92		

DIMENSIONAL SPECIFICATIONS

Circulating pump with pipe unions



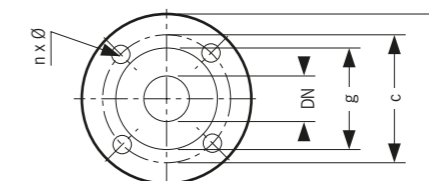
Circulating pump with flanges



ORDER REFERENCE	Ports ND	L mm	H mm	P mm	L1 mm	H1 mm	P1 mm	Mass kg
SXS 32-35M	G2"	—	180	208	66	90	174	5,5
SXS 32-35	G2"	—	180	208	66	90	174	5,5
SXS 40-40M	40	155	250	269	80	125	194	11
SXS 40-40	40	155	250	269	80	125	194	11
SXS 50-50	50	174	280	308	91	140	225	16
SXS 65-60	65	218	340	349	118	170	256	25,5
SXS 80-50	80	244	360	358	135	180	258	30

PN 10 flanges - EN 1092-2

DN	D	c	g	Holes nb x mm
40	150	110	88	4 x 18
50	165	125	102	4 x 18
65	185	145	122	4 x 18
80	200	160	138	8 x 18



FEATURES

- a) Electrical**
 - 230 V - 50 Hz single-phase with integral capacitor in the motor.
 - 400 V or 230* V (50 Hz) three-phase
 - *For 3~230V, add a "speed selector": ref. 2040641- sold separately.
- b) Fitting**
 - Directly onto pipework.
 - Axis of motor always horizontal.
 - Connection to the system via round, soldered-on counter-flanges (not supplied).
- c) Packaging**
 - Models with pipe unions supplied with gaskets but without pipe unions.
 - Flange models: supplied with bolts, without gaskets or counter-flanges.
- d) Maintenance**
 - Complete exchange of the motor unit or assembly.

RECOMMENDED ACCESSORIES

- Protective slave switch for motor.
- Non-return valve.
- Shut-off valves.
- Pressure taps kit.
- Anti-vibration sleeves.
- Round, soldered-on counter-flanges.

Differential pressure tap kit
Order ref.
KIT PRESS 6 or KIT PRESS 16



