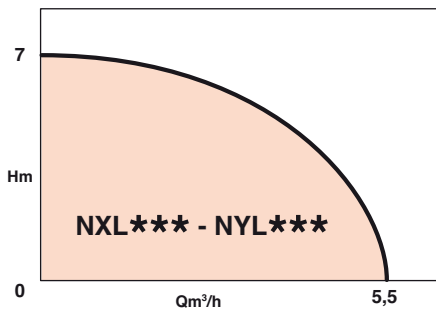


OPERATING LIMITS

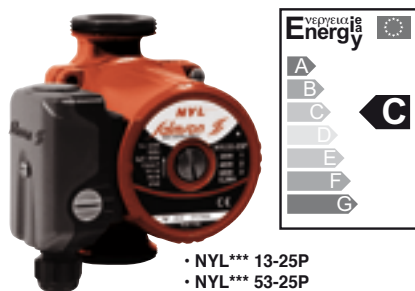
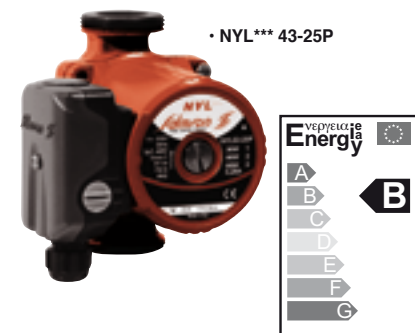
Flow rates up to :	5,5 m ³ /h
Heads up to :	7 m
Max. operating pressure :	10 bar
Temperature range :	-10°C to +110°C*
Max. ambient temperature :	+ 40°C

*up to 50% glycol by volume



ADVANTAGES

- Flexible
- Quiet
- Reliable : overprotection
- Optimized efficiencies



130 mm between flanges,
terminal box at 9 o'clock for easier access to unions.

NXL★★★★ - NYL★★★★

DOMESTIC HEATING CIRCULATORS

Individual heating - air-conditioning

50 Hz

APPLICATIONS

Accelerated hot - or cold - water circulation in open or closed heating or air-conditioning circuits :

- Detached houses
- Greenhouses...
- New installations, old (renovations), extensions.



- NXL*** 33-25P
 - NXL*** 43-32P
- Circulator diameter allowing direct connection to 1^{1/4}" pipe

NXL ★★★ - NYL★★★

ADVANTAGES

• Flexible :

- electrical connection on the right or left
- quick electrical connections.

• Quiet :

- curves appropriate for floor-mounted boilers, flow limited to reduce flowing-water noise.

• Reliable : overprotection

- Anti-particle filter
- double flow circulation with drilled shaft (anti-clogging, venting of the rotor chamber).
- High starting torque.

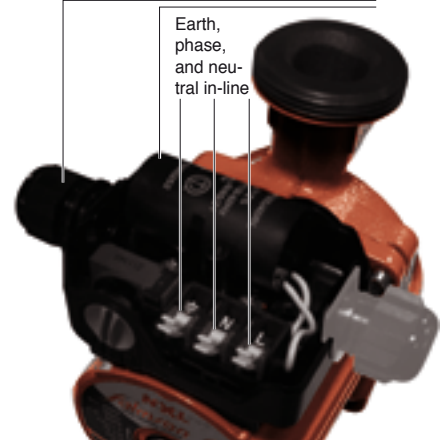
• Optimized efficiencies :

- energy savings up to 30%.

Flat on pump casing to facilitate holding in place with wrench for installation



Removable packing box and capacitor



DESIGN

• Pump

- Pump casing with threaded ports for direct mounting on pipe.
- Rotating parts in contact with water made of corrosion-proof materials.
- Stainless-steel impeller neck ring.

• Motors

- Three speeds with manual selection.
- Wet rotor, bearings lubricated by pumped liquid.
- Rotor chamber protected by sintered bronze filter.
- Manual bleed when started up.
- Drilled shaft.

Speed : see table
 Winding 1-phase : 230 V
 Frequency : 50 Hz (60 Hz optional)
 Insulating category : 155° (F)
 Protection index : IP 42
 Conformity : NF EN 60.335.1
 and 2.51

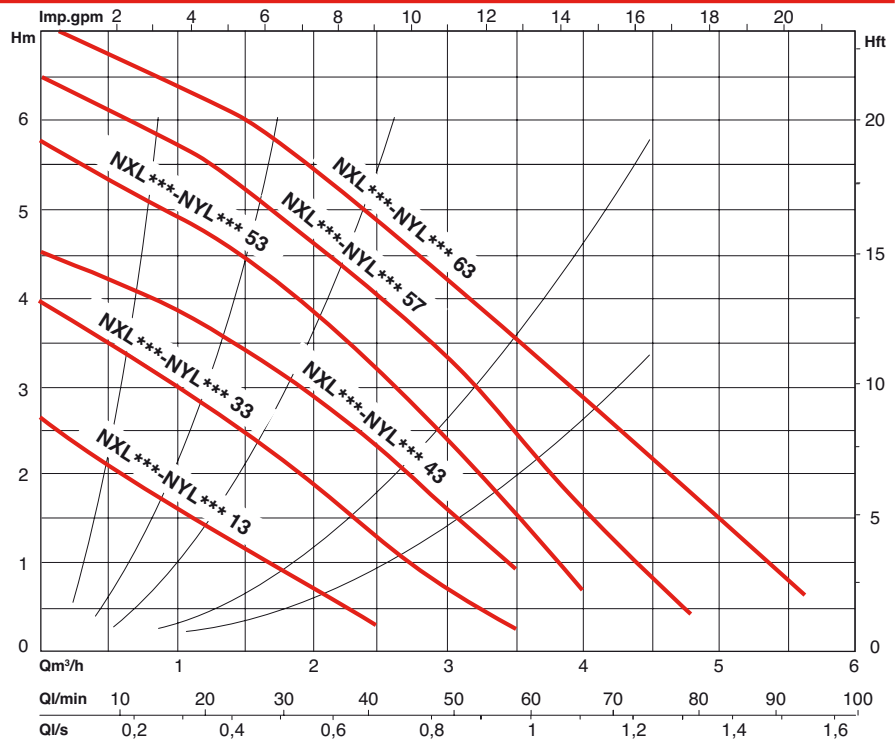
CE
 TF110

Type approvals: VDE - IMQ

STANDARD CONSTRUCTION

Main part	Material
Pump housing	Cast iron GG20
Impeller	Composite mat.
Shaft-airgap sleeve	Stainless steel
Impeller neck ring	Stainless steel
Bearings	Graphite
Seals	Ethylene-Propylene

MAXIMUM SPEED SELECTION CHART



IDENTIFICATION

NXL *** 53 - 32 P
 NYL

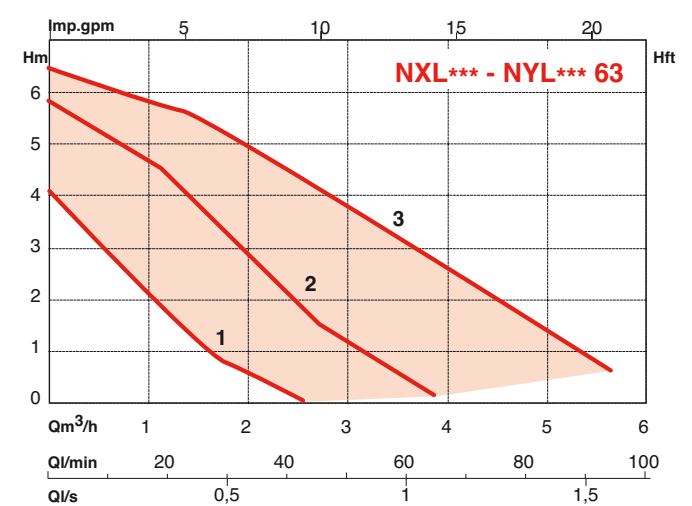
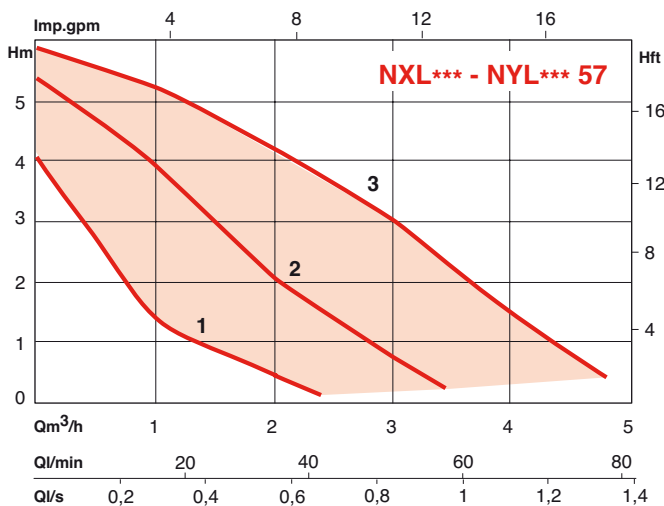
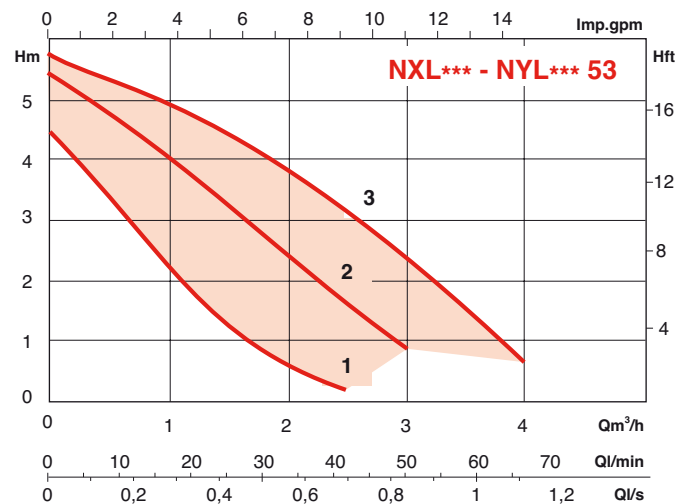
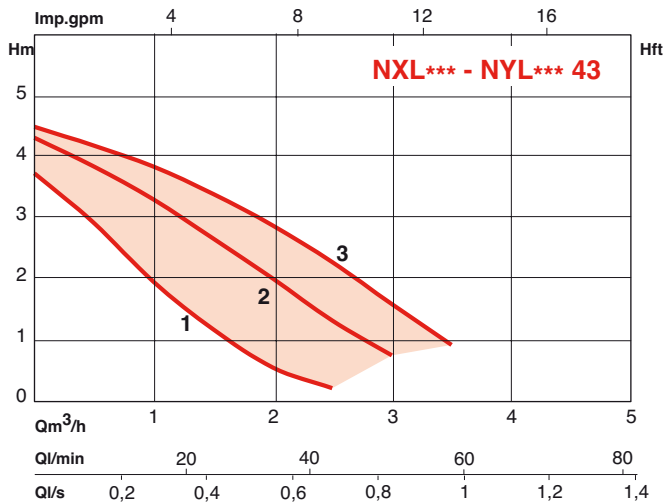
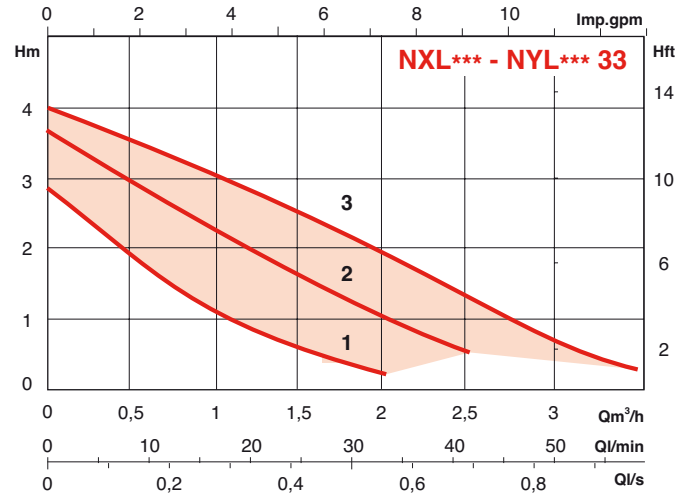
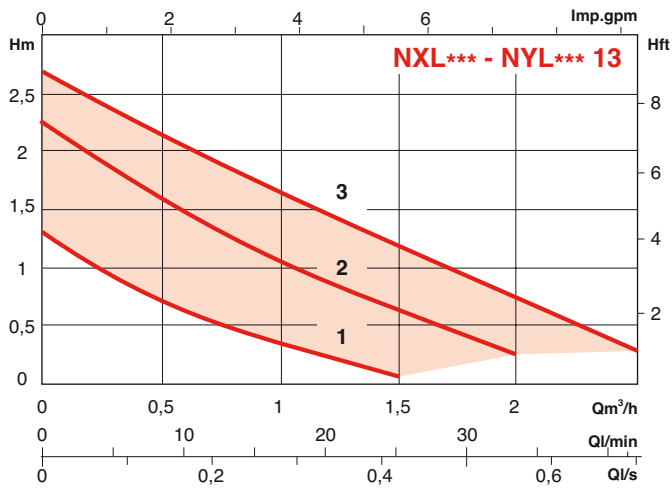
- NX : 180mm
- NY : 130mm
- between flanges
- New line
- Pressure head at 1m³/h
- 3 speeds
- Ø of suct-disch ports
- electrical connection via packing box

• MINIMUM SUCTION PRESSURES ACCORDING TO OPERATING TEMPERATURE

Type	82°C	95°C	110°C
All models	1,5 mw.g.	3 mw.g.	10 mw.g.
	10.2 m w.g. = 1 bar		

To avoid bearing damage and the risks of cavitation of the pump, it is essential to observe the minimum pressures stated above.

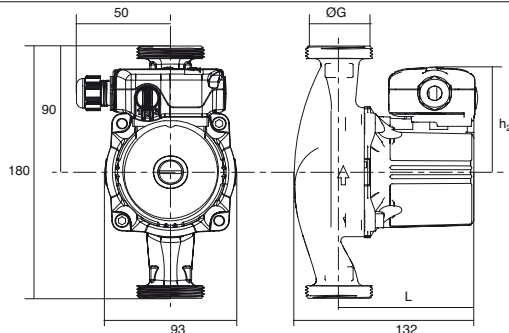
HYDRAULIC PERFORMANCES - 3 SPEEDS



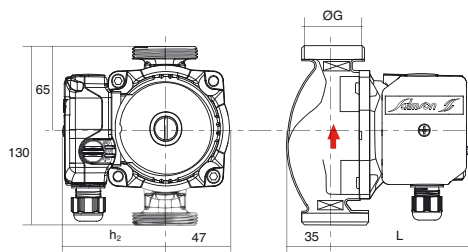
NXL ★★★ - NYL★★★

ELECTRICAL DATA AND DIMENSIONS

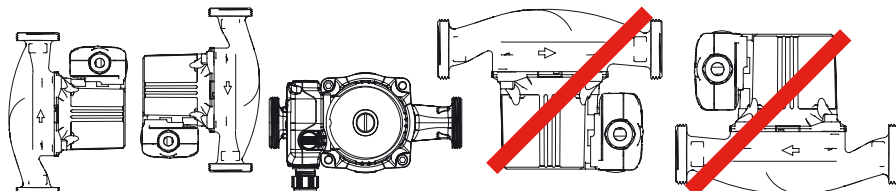
• NXL*** 13 - NXL*** 33 - NXL*** 43 - NXL*** 53 - NXL*** 57 - NXL*** 63



• NYL*** 13 - NYL*** 33 - NYL*** 43 - NYL*** 53 - NYL*** 57 - NYL*** 63



FITTING POSITIONS



FEATURES

a) Electrical

- All types single-phase, 230-V, 50-Hz, with capacitor built into terminal box.
- Motor protection circuit-breaker not required.

b) Installation

- Motor shaft always horizontal.
- Connection to installation by unions

c) Packaging

- Supplied with gaskets, without unions.

d) Maintenance

- Standard exchange of circulator.

OPTIONS AND ACCESSORIES

- Unions.
- Isolating valves.
- Unsticking plug; facilitates unsticking of shaft and rotor (without removing plug).



Adaptation ring
ØG1^{1/2}"-2" Ref.
4051850

Spherical isolating valves
RU 2634 Ref. 4063825



Order Reference	MOTOR					PUMP					L	h2	Mass (kg)			
	Speed selector	Speed (rpm)	P1 (W)	I1 (A)	Condensator $\mu F \times V$	Body casing length	ØG circulator	Connexion on threaded pipe								
								Ø 1/2"	Ø 3/4"	Ø 1"	Ø 1 1/4"					
NXL***13-25	1	1 450	18	0,08	1,6 * 400	180 mm	1 ^{11/2}	-	RED 2027	RU 2634	-	98	73	2,35		
NXL***13-32	2	1 500	30	0,13		180 mm	2"	-	-	RED 2634	RU 3342					
NYL***13-15	2	1 500	30	0,13		130 mm	1"	RU 1521	-	-	-					
NYL***13-25	3	1 800	45	0,20	1,7 * 400	130 mm	1 ^{11/2}	-	RED 2027	RU 2634	-	98	73	2,35		
NXL***33-25	1	1 550	28	0,13		180 mm	1 ^{11/2}	-	RED 2027	RU 2634	-					
NXL***33-32	1	1 550	28	0,13		180 mm	2"	-	-	RED 2634	RU 3342					
NYL***33-15	2	1 950	38	0,17	1,7 * 400	130 mm	1"	RU 1521	-	-	-	98	73	2,35		
NYL***33-20	2	1 950	38	0,17		130 mm	1 1/4"	-	RU 2027	-	-					
NYL***33-25	3	2 200	48	0,21		130 mm	1 ^{11/2}	-	RED 2027	RU 2634	-					
NXL***43-25	1	2 200	37	0,17	2 * 400	180 mm	1 ^{11/2}	-	RED 2027	RU 2634	-	98	77	2,35		
NXL***43-32	1	2 200	37	0,17		180 mm	2"	-	-	RED 2634	RU 3342					
NYL***43-15	2	2 400	47	0,21		130 mm	1"	RU 1521	-	-	-					
NYL***43-25	3	2 600	57	0,25	2 * 400	130 mm	1 ^{11/2}	-	RED 2027	RU 2634	-	98	77	2,35		
NXL***53-25	1	1 900	43	0,20		180 mm	1 ^{11/2}	-	RED 2027	RU 2634	-					
NXL***53-32	1	1 900	43	0,20		180 mm	2"	-	-	RED 2634	RU 3342					
NYL***53-15	2	2 350	61	0,28	2,6 * 400	130 mm	1"	RU 1521	-	-	-	98	77	2,35		
NYL***53-25	3	2 550	84	0,36		130 mm	1 ^{11/2}	-	RED 2027	RU 2634	-					
NYL***53-25	3	2 550	84	0,36		130 mm	1 ^{11/2}	-	RED 2027	RU 2634	-					
NXL***57-32	1	1 150	50	0,22	3 * 400	180 mm	2"	-	-	RED 2634	RU 3342	98	77	2,60		
NXL***57-32	2	1 650	72	0,32												
NXL***57-32	3	2 250	95	0,42												
NXL***63-25	1	1 067	53	0,33	3,5 * 400	180 mm	1 ^{11/2}	-	RED 2027	RU 2634	-	109	77	2,60		
NXL***63-32	2	1 556	71	0,50				180 mm	2"	-	-				RED 2634	RU 3342
NYL***63-25	3	2 239	100	0,64				130 mm	1 ^{11/2}	-	RED 2027				RU 2634	-