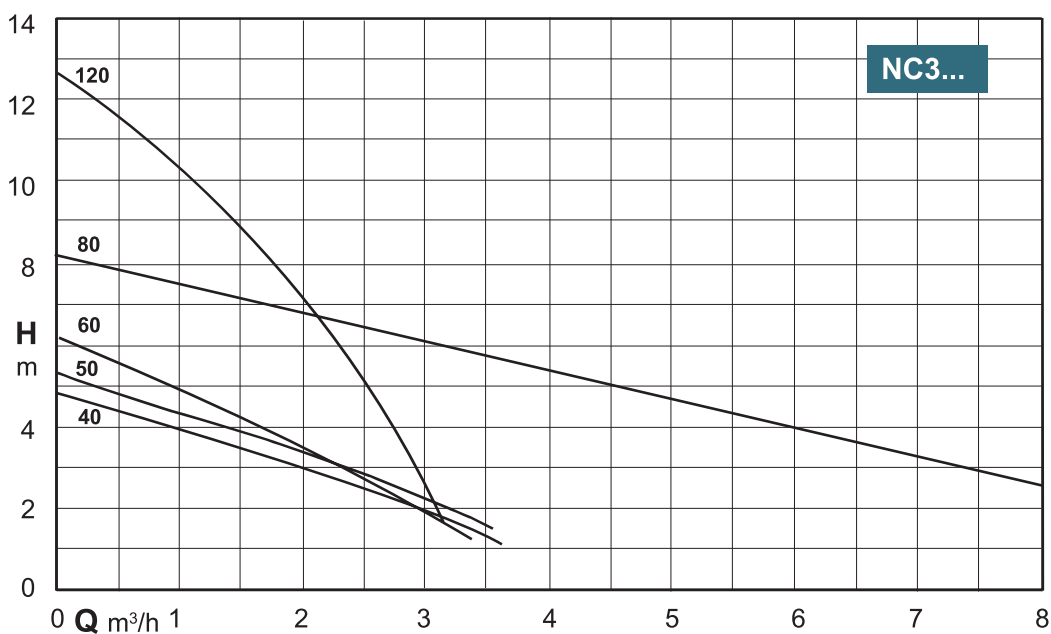




Coverage chart



Three speeds circulating pumps with threaded ports

Construction

3-speed circulator.
 Pump casing with suction and delivery connections with the same diameter and on the same axis (in-line).
 Standard with steel unions with cataphoresis treatment.

Applications

For clean liquids, without abrasives, non-aggressive for the pump materials.
 Domestic and civil heating systems.

Operating conditions

Liquid temperature: from -10°C to +110°C.
 Ambient temperature up to 40 °C.
 Sound pressure ≤ 45 dB (A)
 Minimum suction pressure: 0,05 bar at 50 °C
 - Maximum permissible working pressure: 10 bar
 Storage: -10°C/+50°C max. relative humidity 95% at 40 °C
 Connections: threaded ports ISO 228: G 1, G 1 1/2, G 2.

Motor

2-pole induction motor, 50 Hz.
 Three adjustable speeds.
 NCS3: single-phase 230 V.
 Insulation class H.
 - Protection: IP 44
 Overload protection (integrated).
 - Cable: phases and neutral.
 Constructed in accordance with EN 60335-1, EN 60335-2-51.

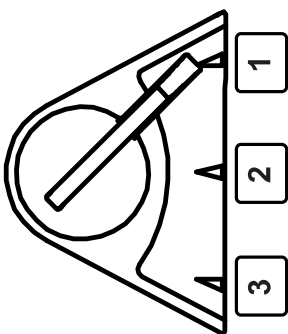
Designation

NC3 25 - 40 / 130
NC3 = Series
25 = DN ports in mm
40 = Max. head in dm
130 = connection size mm

Materials

Component	Materials
Pump casing	Cast iron
Impeller	Composite PES
Shaft	Ceramic
Ball bearings	Ceramic
Gasket	EPDM

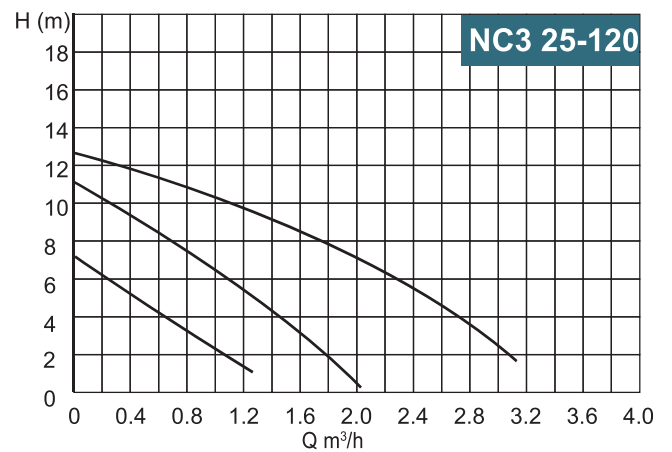
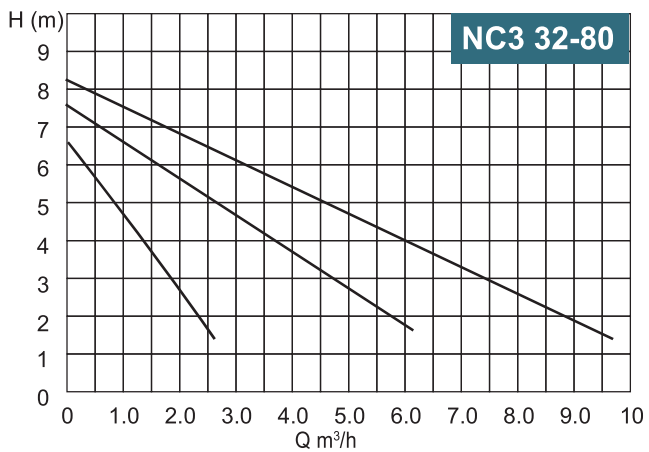
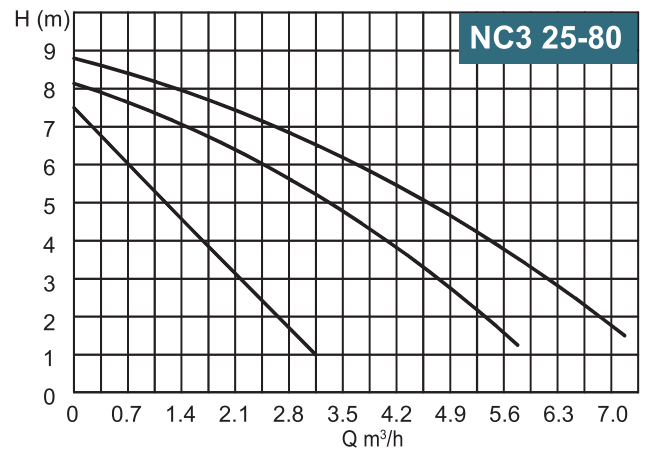
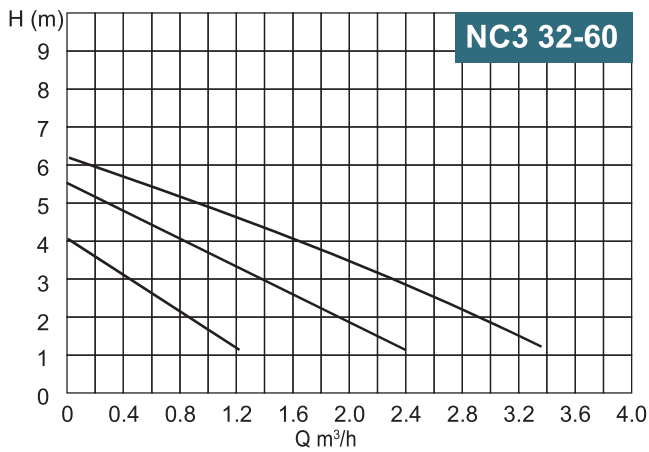
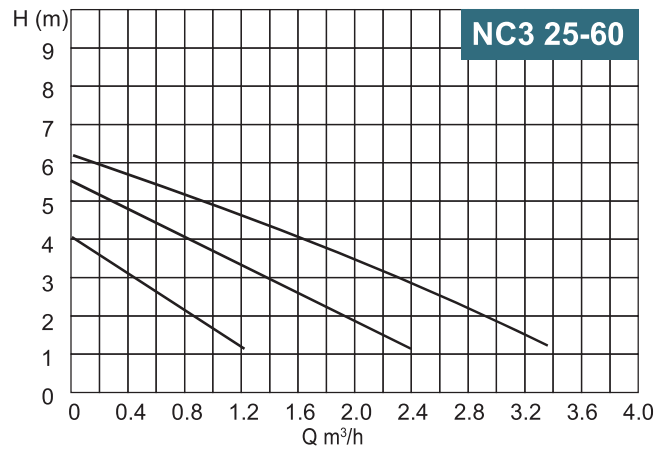
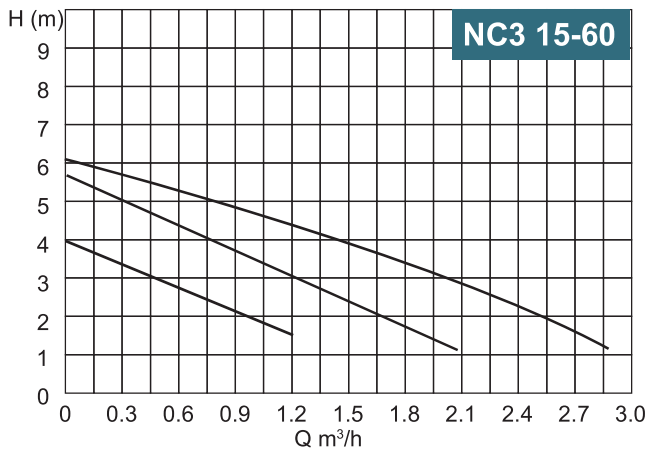
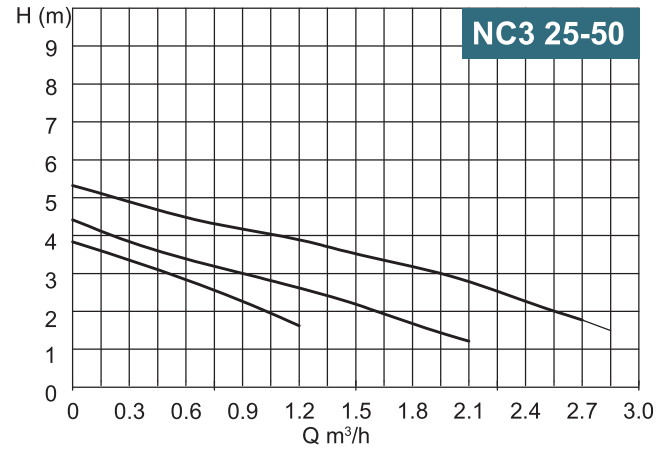
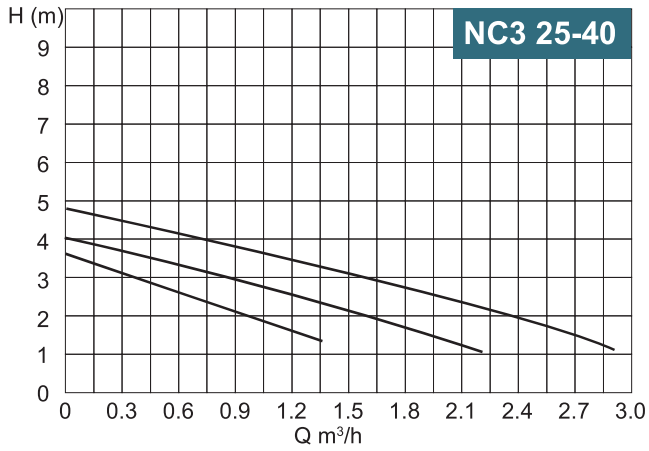
Operating modes



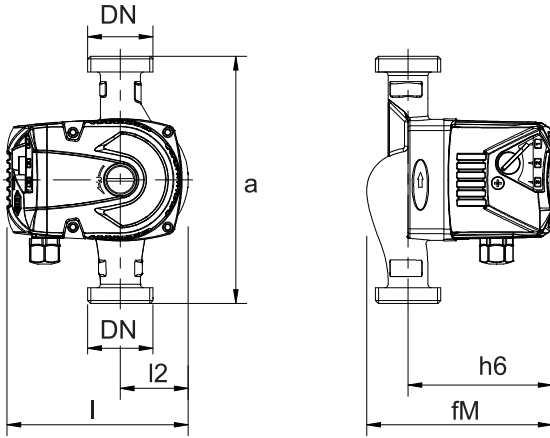
MANUAL PROGRAMMING

By positioning the selector at any point between 1,2 and 3, the most suitable operating curve for the system is manually chosen.

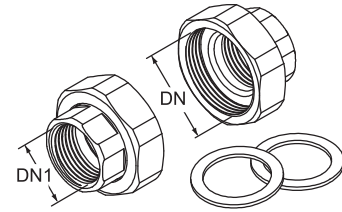
Characteristic curves $n \approx 2900$ rpm



Dimensions and weights



Unions



TYPE	DN	DN1
KIT G 1 - G 1/2 (NCE . 15..)	G 1	G 1/4
KIT G 1 1/2 - G 1 (NCE . 25..)	G 1 1/2	G 1
KIT G 2 - G 1 1/4 (NCE . 32..)	G 2	G 1 1/6

TYPE	DN	Pos.	P1 (W)	1x 230 V [A]	a	FM	l2	l	h6	kg
NC3 25-40/130/A	G 1 1/2	3	72	0,30	130	135	49	132	105	2.5
		2	53	0,26						
		1	38	0,18						
NC3 25-40/180/A	G 1 1/2	3	72	0,30	180	135	49	132	105	2.8
		2	53	0,26						
		1	38	0,18						
NC3 25-50/130/A	G 1 1/2	3	81	0,38	130	135	49	132	105	2.6
		2	67	0,28						
		1	46	0,18						
NC3 25-50/180/A	G 1 1/2	3	81	0,38	180	135	49	132	105	2.8
		2	67	0,28						
		1	46	0,18						
NC3 15-60/130/A	G 1	3	93	0,66	130	135	49	132	105	2.5
		2	67	0,59						
		1	46	0,41						
NC3 25-60/130/A	G 1 1/2	3	93	0,66	130	135	49	132	105	2.6
		2	67	0,59						
		1	46	0,41						
NC3 25-60/180/A	G 1 1/2	3	93	0,66	180	135	49	132	105	2.8
		2	67	0,59						
		1	46	0,41						
NC3 32-60/180/A	G 2	3	93	0,66	180	135	49	132	105	2.9
		2	67	0,59						
		1	46	0,41						
NC3 25-80/180/A	G 1 1/2	3	182	0,66	180	135	60	153	148	4.5
		2	170	0,59						
		1	145	0,41						
NC3 32-80/180/A	G 2	3	270	0,66	180	173	60	153	148	4.6
		2	210	0,59						
		1	150	0,41						
NC3 25-120/180/A	G 1 1/2	3	245	0,66	180	161	73	166	136	4.7
		2	220	0,59						
		1	145	0,41						

Examples of installations

