NCD3

Three speeds circulating twin pumps with threaded ports

Construction

Pump casing with suction and delivery connections with the same diameter and on the same axis (in-line).
Brass or cast iron unions on request.

Materials	NCD3 ..40	NCD3 ...70-80-120
Pump casing	Cast iron	Cast iron
Impeller	Composite	Composite
Shaft	Stainless steel	Ceramic

Applications

For clean liquids, without abrasives, which are non-aggressive for the pump materials.
Civil and industrial heaty sistems.

Operating conditions

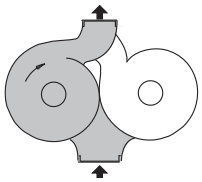
Liquid temperature from +5 °C to +110 °C (from -10 °C to +110 °C for NCD3 ..-70 and NCD3 ..-80-120).
Ambient temperature up to 40 °C.
Sound pressure ≤ 43 dB (A).
Maximum glycol quantity: 50% (Mixture with more than 20% glycol content require recheking of the pumping data).
Maximum permissible working pressure 10 bar.

type	Minimum suction pressure: bar		
	Temperature		
	50 °C	80 °C	110 °C
NCD3 ..-40	0,05	0,4	1,1
NCD3 ..-70	0,05	0,4	1,1
NCD3 ..-80,120	0,05	0,4	1,2

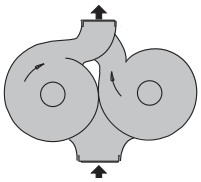
Motor

2-pole induction motor, 50 Hz.
Three adjustable speeds.
NCD3: single-phase 230 V.
Insulation class H.
Protection IP 44.

Operation

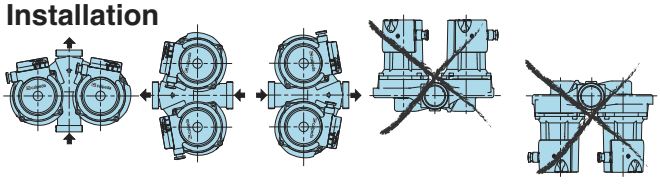


Single operation
Operation of a single pump choosed by the customer, with the second pump on stand-by

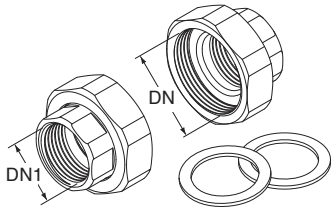


Double operation
Operation in parallel of the two pumps

Installation



Unions



TYPE	DN	DN1
KIT G 2 - G 1 1/4 (NC3D 32..)	G 2	G 1 1/4

Designation

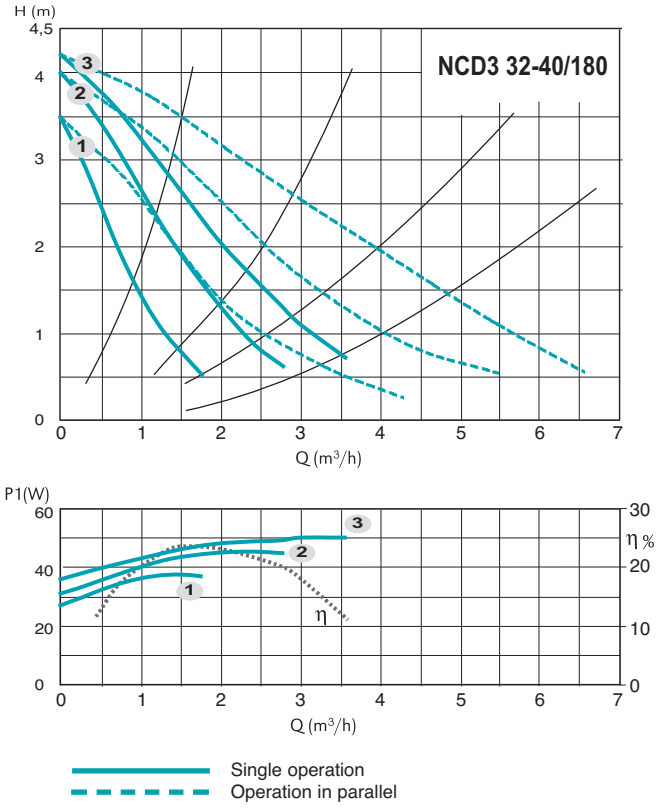
NCD3 32 - 70 / 180

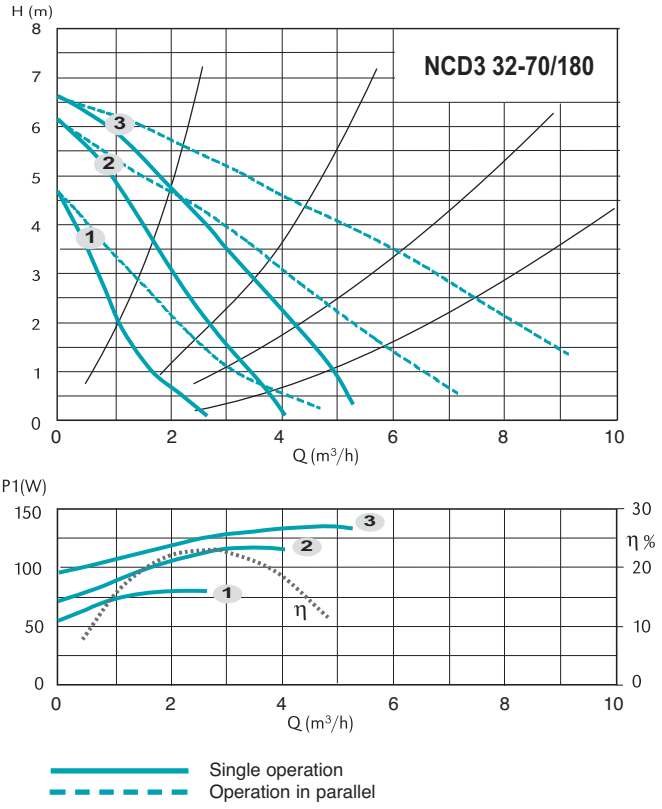
Series
DN ports in mm
Max. head in dm
connection size mm

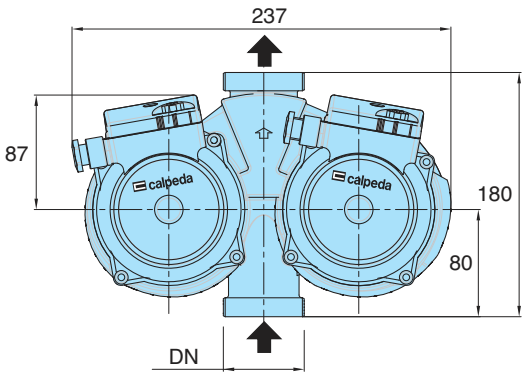
NCD3

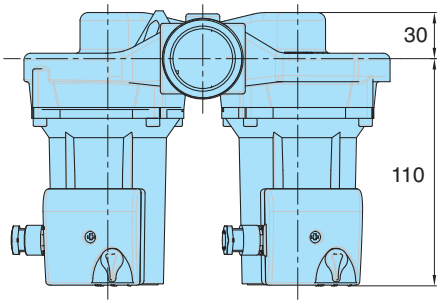
Three speeds circulating twin pumps with threaded ports

Characteristic curves, dimensions and weights





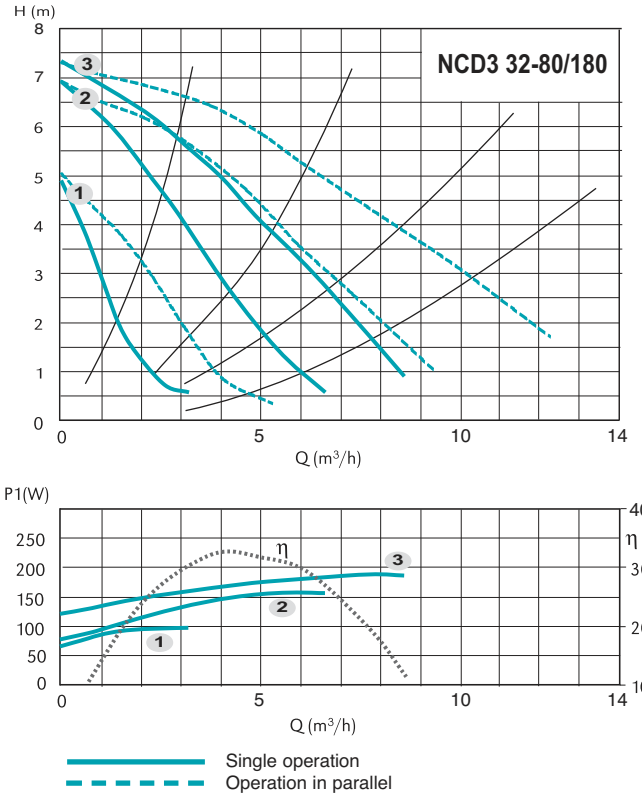


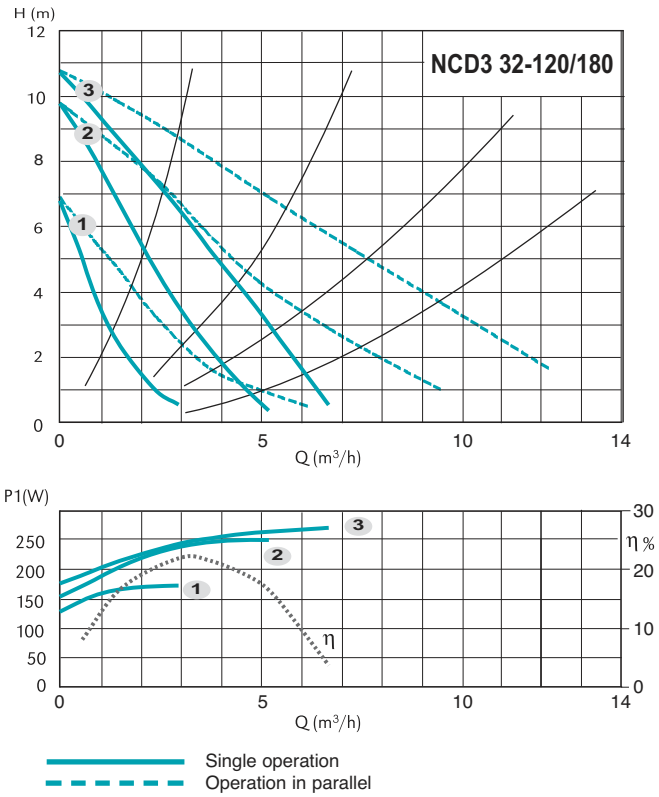


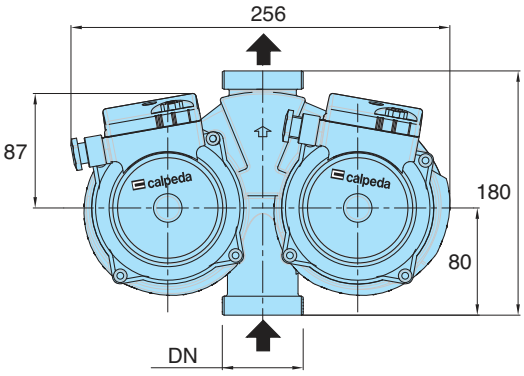
TYPE	DN	Pos.	P1 (W)	1x 230 V [A]	[kg]
NCD3 32-40/180	G 2	3 2 1	53 47 38	0,23 0,21 0,17	5,6
NCD3 32-70/180	G 2	3 2 1	136 116 77	0,61 0,54 0,37	6

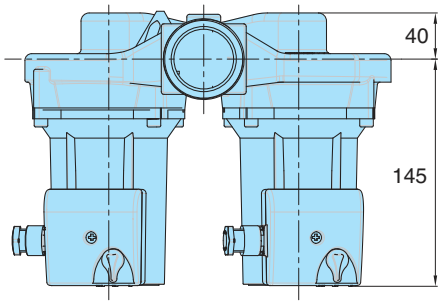
NCD3 Three speeds circulating twin pumps with threaded ports

Characteristic curves, dimensions and weights









TYPE	DN	Pos.	P1 (W)	1x 230 V [A]	[kg]
NCD3 32-80/180	G 2	3 2 1	206 185 120	0,91 0,88 0,6	9,6
NCD3 32-120/180	G 2	3 2 1	265 251 176	1,15 1,14 0,85	10,3