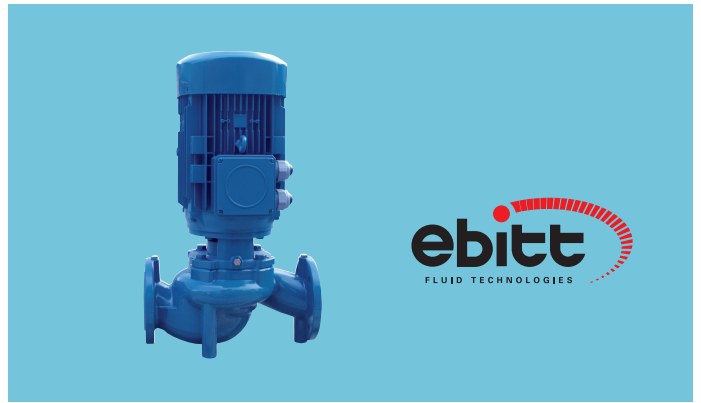


NCL

Inline, Dry Running Circulation Pumps



FEATURE

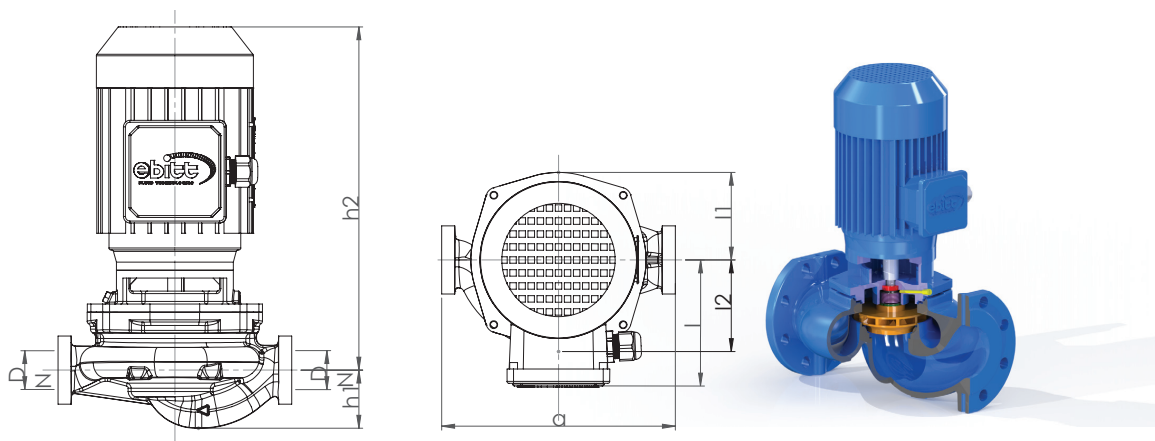
- Vertical, single-stage volute casing type, close-coupled in-line centrifugal pumps with closed impeller. Close-coupled by means of an adaptor bracket with an impeller keyed directly to the specific motor shaft extension.
- The NCL-NCLD series have a "Backpull-out" design impeller, adaptor and motor can be extracted without disconnecting the pump body from the piping system.
- NCL-NCLD 40-120 / 320 - 1,5
 - NCL: Single Head
 - NCLD: Twin Head (Double pump in one housing). The two pumps are hydraulically separated by silent-operating valve.
 - 40: Diameter nominal of the pipe connection
 - 120: Nominal diameter of impeller
 - 320: Dimension between inlet and outlet flange
 - 1,5: Nominal motor power P2 in kW
- High-efficiency motors as standard
- High corrosion protection thanks to cataphoretic coating
- Standard condensate drainage holes in the motor housing and lanterns
- The pumps are equipped with interchangeable mechanical seals
- Fluid temperature: -20°C / +120°C
- Maximum operating pressure: 10 Bar (PN10)
- IP55 protection, insulation class F
- Mains connection 3 ~ 400V, 50 Hz
- For bigger than 0,75 kw motors, Efficiency Class IE3

Materials

Pump Housing and Lantern: Cast Iron
 Impeller: Reinforced Glass PPO up to 5,5 kW (not included)
 Cast Iron: 5,5 kW - 7,5 kW
 Mechanical Seal: AQ1EGG
 Shaft: X20Cr (AISI420)

Applications

- NCL-NCLD pumps are designed for clean or slightly contaminated liquids with low viscosity.
- District heating systems
 - Heating systems
 - Air-conditioning systems
 - District cooling systems
 - Water supply
 - Industrial processes
 - Industrial cooling
 - Liquid transfer in ventilation systems
 - Pressure boosting in commercial buildings



Model	DN	a	l	l1	l2	h1	h2	f	x	M-	b	b1	kg
NCL 40-120/320-1,5	40	320	151	113	121	75	373	448	150	M10	90	90	29,5
NCL 40-130/320-2,2	40	320	151	113	121	75	374	449	150	M10	90	90	31,5
NCL 50-130/340-2,2	50	340	151	116	131	86	375	461	150	M10	90	104	37

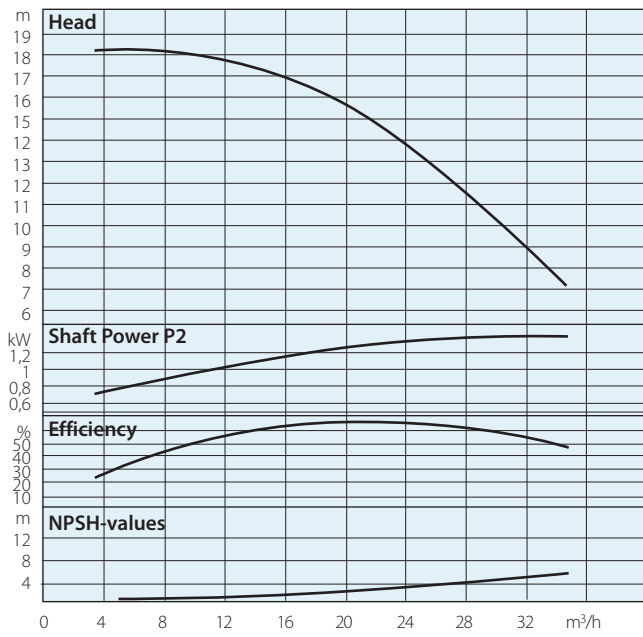
Performance Table

Model	A	Q (m³/h)	4	8	12	16	20	24	28	32				
NCL 40-120/320-1,5	3,3	H (mWC)	18,4	18,2	17,9	17	15,7	13,9	11,5	9				

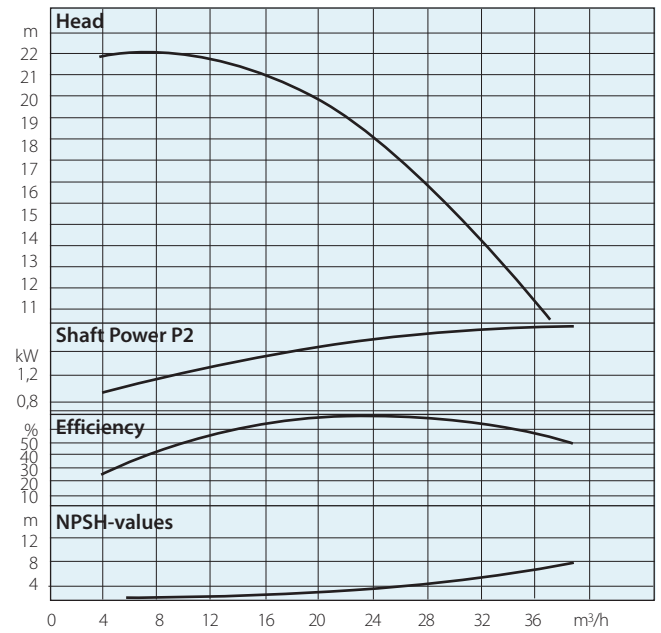
Model	A	Q (m³/h)	4	8	12	16	20	24	28	32	36	40	44	
NCL 40-130/320-2,2	4,5	H (mWC)	21,8	22	22,6	21	19,8	18,1	16,1	13,8	11			

Model	A	Q (m³/h)	8	16	20	24	28	36	44	48	52			
NCL 50-130/340-2,2	4,5	H (mWC)	18,5	18,3	18	17,5	16,8	14,7	12	10,2	8,8			

NCL 40-120/320



NCL 40-130/320



NCL 50-130/340

