NADORSELF

Compact, self-priming electric pumps for decanting large flows, specially designed for units for swimming against current.

Compact, self-priming electric pumps for decanting large flows, specially designed for units for swimming against current in private, communal and public swimming pools, balneotherapy or thalassotherapy centres or private or public gymnasiums and spas.

These units can transform a swimming pool into a space adapted for leisure, sport and health, particularly in small swimming pools.

This self-priming capacity of this model – achieved using a front suction check valve – allows very flexible installation, which can be carried out in technical boxes without the need for works in the area next to the swimming pool basin. Because it is made from plastic materials, it is highly resistant to corrosion from swimming-pool water, whatever the disinfection system used.

It includes an original, practical, curved 2 1/2" threaded delivery which can be adapted to three positions and a 2 1/2" flanged, threaded connector for the axial suction. The single-phase models include thermal protection for the motor.

It should be installed with an NCR or NCC front cover unit for the swimming pool, which includes an outlet jet, a suction area and connections for pneumatic activation of the pump. This can be complemented with an electrical control panel and an MNC hydromassage hose with nozzle connection.

SERIES FEATURES NADORSELF

Equipment

- **Check valve:** No
- **Draining plug:** Yes
- **Fittings:** Screw
- **Support base:** Included

Manufacturing characteristics

- **Discharge connection type:** Nut
- **Discharge diameter:** 2 1/2" G
- **Impeller type:** Closed
- **Motor cooling:** Fan
- **Stages:** Single-Stage Centrifugal Pump
- **Suction connection type:** Nut
- **Suction diameter:** 2 1/2" G
- **Suction type:** Selfprimming
- **Tightness by:** Mechanical Seal

Usage limits

- **Liquid temperature (ºC):** Min: 4 - Max: 35
- **Maximum no. of motor start-ups (start-ups/minute):** 0.5
- **Maximum suction (m):** 4

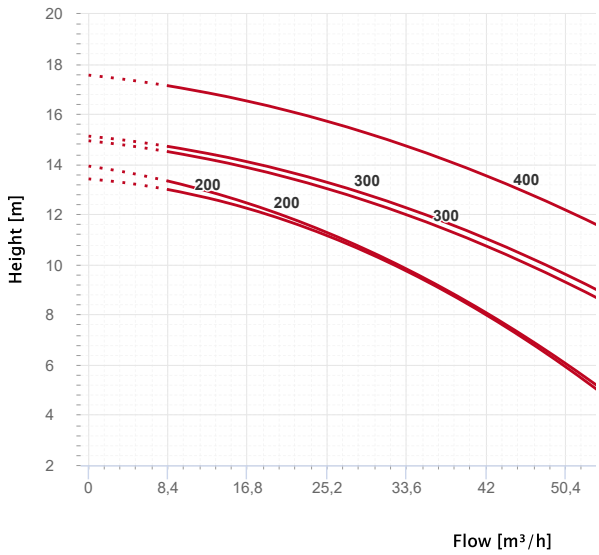
Electrical characteristics

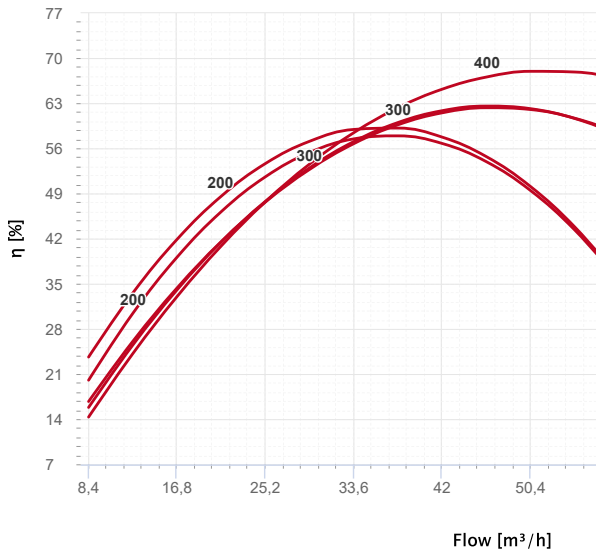
- **Electrical isolation:** F Class
- **Motor speed operation:** Constantly speed
- **Motor type:** Asynchronous
- **Protection rating:** IPX5
- **Reset:** Automatic
- **Service factor:** S1
- **Service type:** Continuous

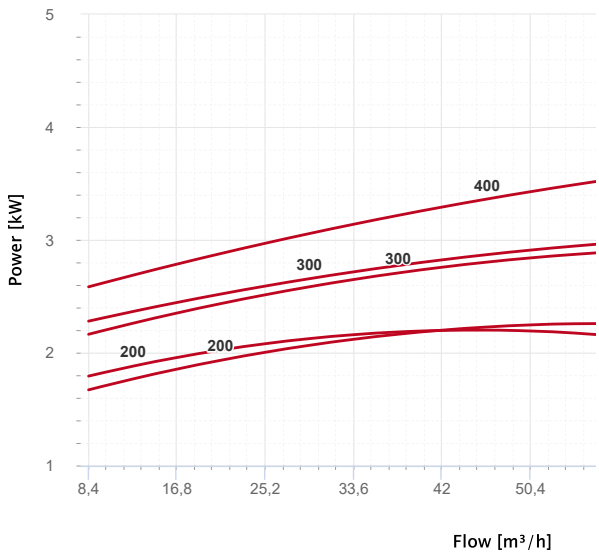
Materials

- **Diffuser:** PP + 30% GF
- **Discharge body:** PP + 30% GF
- **Gaskets:** NBR
- **Impeller/s:** PPO + 30% GF
- **Mechanical seal:** Aluminium-Graphite
- **Mechanical seal bracket:** PP + 30% GF
- **Motor casing:** Aluminium
- **Motor shaft:** Acero inoxidable AISI 431
- **Nuts and bolts:** Stainless steel AISI 304
- **Outer pump body:** PP + 30% GF
- **Pump shaft:** AISI 431
- **Suction body:** PP + 30% GF
- **Support base material:** PP + 30% GF

OPERATING CURVES







ELECTRIC SPECIFICATIONS

Single-phase models	Three-phase models	Intensity [A]		Input power P1 [kW]		Motor power P2		Condenser capacity [µF]
50 Hz	50 Hz	1~ 230V	3~ 230/400V	1~	3~	[kW]	[HP]	1~
NADORSELF 200M		10,20		2,20				40µF-450V
	NADORSELF 200		7/4.1		2,20	1,50	1,50	
NADORSELF 300M		13,40		3,00				60µF-450V
	NADORSELF 300		8.6/5		3,00	2,20	2,20	
	NADORSELF 400		11.8/6.8		3,80	3,00	3,00	

HYDRAULIC SPECIFICATIONS

Single-phase models	Three-phase models	Flow [m^3/h]	0	8.4	16.8	25.2	33.6	42	50.4	58.8	67.2	75.6
NADORSELF 200M												
	NADORSELF 200											
NADORSELF 300M		Height [m]										
	NADORSELF 300											
	NADORSELF 400											