

NGL and NGX



Re-design

# NGL and NGX



## Construction

Close-coupled self-priming shallow-well pump with built-in ejector.

## Applications

For drawing water out of a well.  
For lifting water containing air or other gases.  
For increasing water pressure from flooded suction applications.  
As pressure boosting pump for central water systems with low pressure (follow local specifications if increasing network pressure).  
For garden use.  
For washing with a jet of water.

## Operating conditions

Liquid temperature: 0 °C to +35 °C.  
Ambient temperature up to +40 °C.  
Suction lift up to 9 m.  
Maximum permissible pressure in the pump casing: 8 bar.  
Continuous duty.

## Motor

2-pole induction motor, 50 Hz ( $n \approx 2800$  rpm).  
NGL-NGX: three-phase 230/400 V  $\pm 10\%$ .  
NGLM-NGXM: single-phase 230 V  $\pm 10\%$ , with thermal protector.  
Capacitor inside the terminal box.  
Insulation class F.  
Protection IP 54.  
Classification scheme IE3 for three-phase motors from 0,75 kW.  
Constructed in accordance with:  
EN 60034-1; EN 60034-30.  
EN 60335-1, EN 60335-2-41

## Special features on request

Other voltages.  
Frequency 60 Hz (as per 60 Hz data sheet).

# NGL

## Materiali

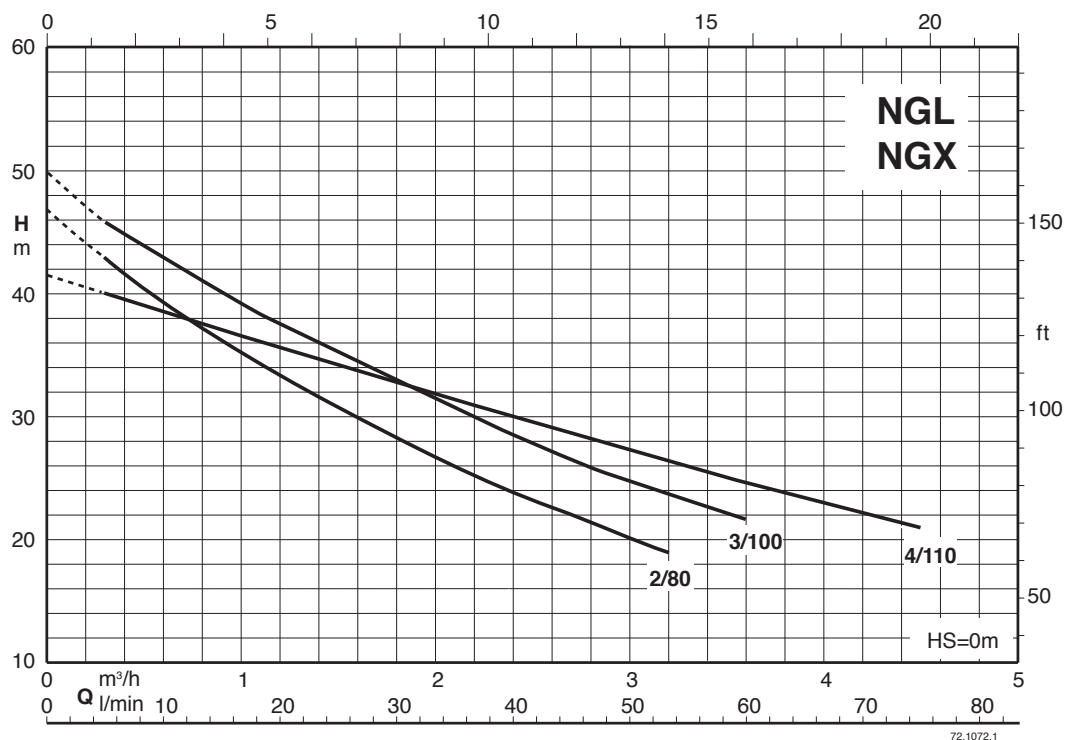
Component	Material
Pump casing	Cast iron GJL 200 EN 1561
Casing cover	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Impeller	Noryl PPO-GF20
Wear ring impeller-diffuser	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Diffuser	Noryl PPO-GF20
Ejector	Noryl PPO-GF20
Shaft	Chrome steel 1.4104 EN 10088 (AISI 430)
Mechanical seal	Carbon-Ceramic-NBR

# NGX

## Materiali

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## PERFORMANCES

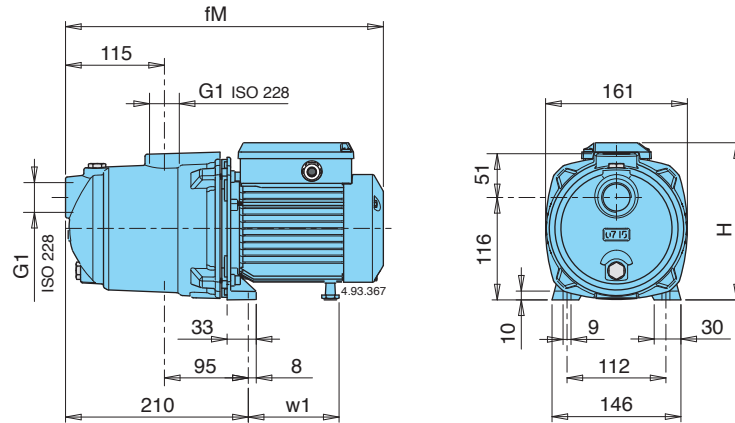


3~	230V		1~	230V		P <sub>1</sub>		P <sub>2</sub>		Q										
	A	A		A	kW	kW	HP	m³/h	l/min		0	0,3	1	2	2,4	3	3,2	3,6	4	4,5
<b>NGL 2/80</b>	2,8	1,6	<b>NGLM 2/80</b>	3,8	0,8	0,55	0,75	H m	46,8	43	35,2	26,7	23,9	20,2	19,1					
<b>NGL 3/100</b>	3	1,7	<b>NGLM 3/100</b>	4,5	0,95	0,65	0,9		50	45,9	39,4	37,6	28,5	24,8	23,7	21,7				
<b>NGL 4/110</b>	3,7	2,2	<b>NGLM 4/110</b>	5,4	1	0,75	1		41,6	40	36,6	35,6	30	27,3	26,4	24,6	23	21,1		

3~	230V		1~	230V		P <sub>1</sub>		P <sub>2</sub>		Q										
	A	A		A	kW	kW	HP	m³/h	l/min		0	0,3	1	2	2,4	3	3,2	3,6	4	4,5
<b>NGX 2/80</b>	2,8	1,6	<b>NGXM 2/80</b>	3,8	0,8	0,55	0,75	H m	46,8	43	35,2	26,7	23,9	20,2	19,1					
<b>NGX 3/100</b>	3	1,7	<b>NGXM 3/100</b>	4,5	0,95	0,65	0,9		50	45,9	39,4	37,6	28,5	24,8	23,7	21,7				
<b>NGX 4/110</b>	3,7	2,2	<b>NGXM 4/110</b>	5,4	1	0,75	1		41,6	40	36,6	35,6	30	27,3	26,4	24,6	23	21,1		

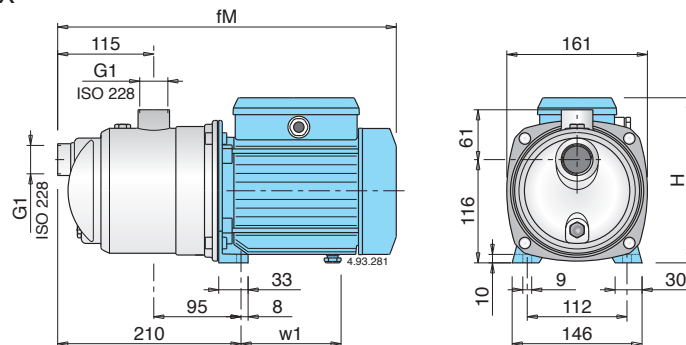
## DIMENSIONS AND WEIGHT

### NGL



TYPE	Dimensions mm			Net weight kg	
	fM	H	w1	NGL	NGLM
<b>NGL 2/80</b>	362	176	102	10,3	10,3
<b>NGL 3/100</b>	391	192	112	11,4	12,3
<b>NGL 4/110</b>	391	192	112	13,3	13,5

### NGX



TYPE	Dimensions mm			Net weight kg	
	fM	H	w1	NGX	NGXM
<b>NGX 2/80</b>	362	176	102	7,5	7,5
<b>NGX 3/100</b>	391	192	112	8,7	9,6
<b>NGX 4/110</b>	391	192	112	10,4	10,6