

# NOVA UP X

## SUBMERSIBLE PUMPS

SUBMERSIBLE PUMPS



### TECHNICAL DATA

- Operating range:**  
from 1 to 15 m<sup>3</sup>/h with head up to 10 metres.
- Liquid temperature range:**  
from 0 °C to +35 °C for domestic use.
- Pumped liquid:** dirty water without fibres.
- Minimum draught depth:**  
NOVA UP X 300 M-NA                      70 mm  
NOVA UP X 600 M-NA                      80 mm
- Max. immersion depth:** 7 metres.
- Installation:** vertical, fixed or portable.
- Protection class:** IP 68.
- Insulation class:** F.

### APPLICATIONS

The submersible pump with port for connection to the suction kit with float is suitable for use in rain water recovery system tanks, as well as other tank applications.

### CONSTRUCTION FEATURES OF THE PUMP

Hydro resistant technopolymer pump body, cover, and suction grid.  
Stainless steel motor, roto shaft, and bolts and screws.  
Threefold seal with interposed rings with oil pre-chamber.

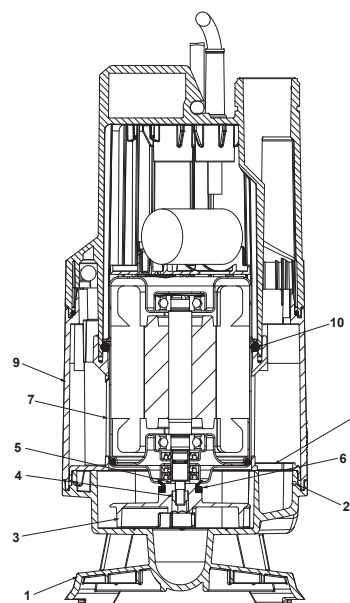
### CONSTRUCTION FEATURES OF THE MOTOR

Submersible type continuous duty asynchronous motor.  
Stator enclosed in airtight stainless steel casing, with an outer cover that protects the wiring and the capacitor. Rotor running on permanently lubricated ball bearings, oversized to ensure low noise and durability. Built-in thermal-amperometric protection and permanently connected capacitor.

### MATERIALS

N.	PARTS*		MATERIALS
1	BASE		TECHNOPOLYMER
2	OR RING		NBR
3	IMPELLER		TECHNOPOLYMER
4	NUT		A2 DIN982-UNI7473 STAINLESS STEEL
5	WASHER		A2 STAINLESS STEEL
6	V. RING		NBR
7	MOTOR	CASE	AISI 304 STAINLESS STEEL X5 CrNi 1810 - UNI 6900/71
		ROTOR SHAFT	AISI 416 STAINLESS STEEL UNI EN 10088-1 X12CRS13
8	DIAPHRAGM		TECHNOPOLYMER
9	BODY		TECHNOPOLYMER
10	OR RING		NBR

\* In contact with the liquid



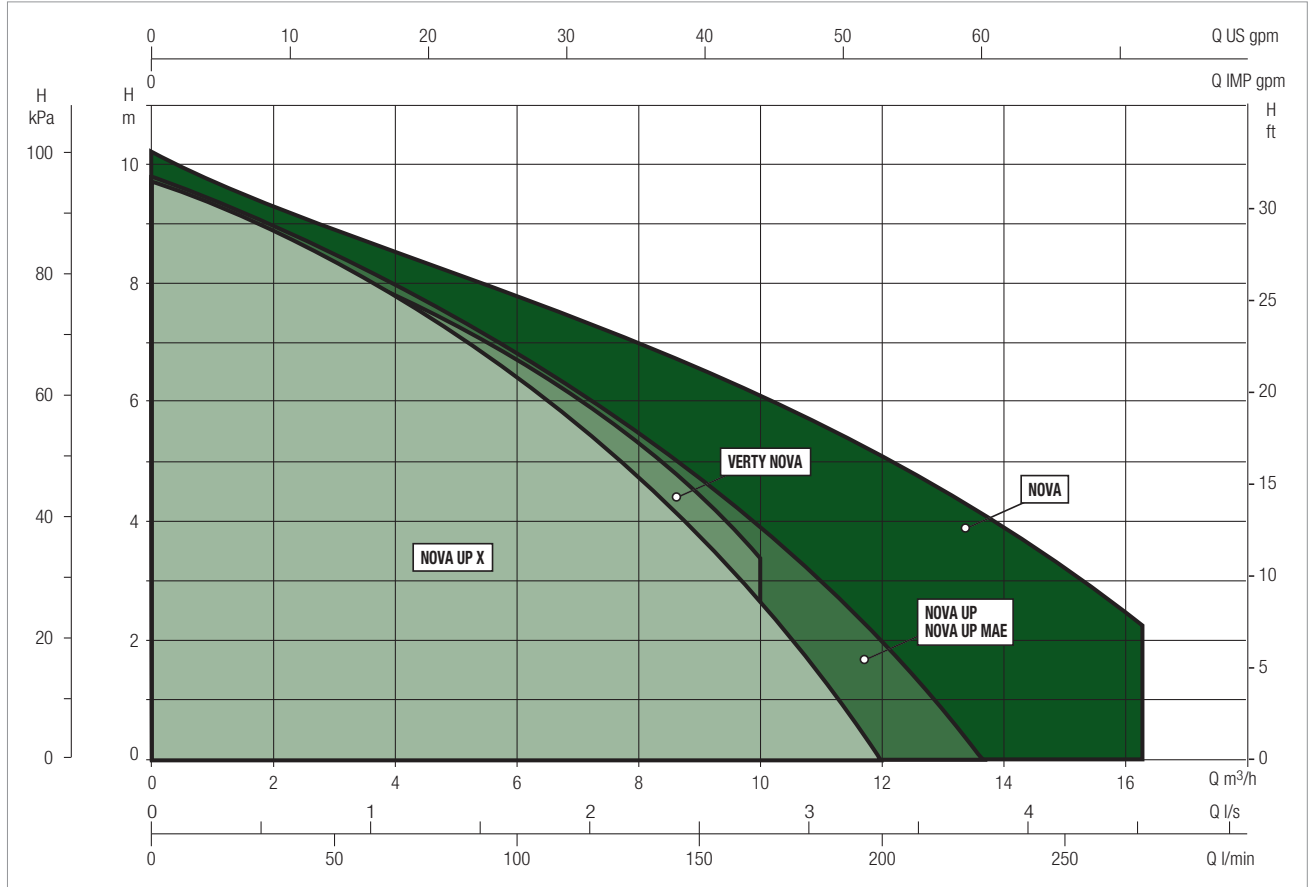
# NOVA RANGE

## SUBMERSIBLE PUMPS

### PERFORMANCE RANGE

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

### GRAPHIC SELECTION TABLE



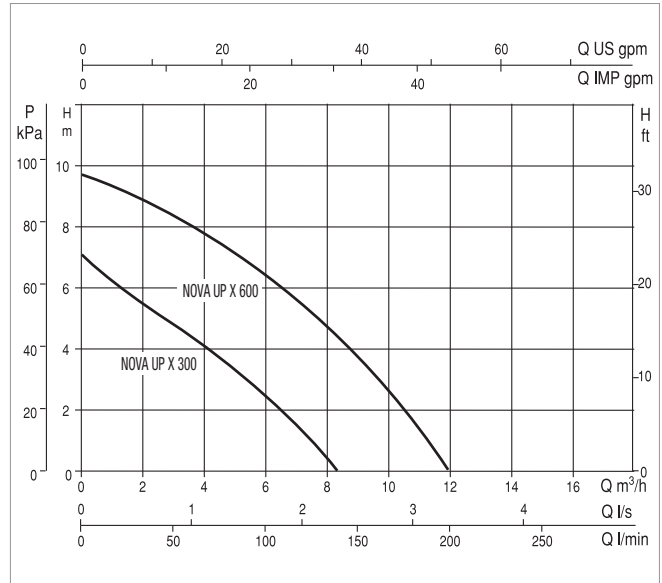
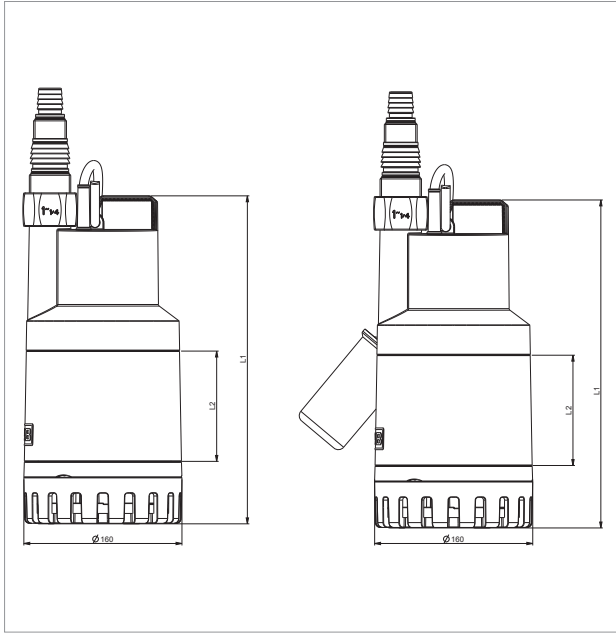
### SELECTION TABLE - NOVA UP X

MODEL	Q= m <sup>3</sup> /h	0	1	2	3	4.5	5	6	7	7.5	9	10	12	13.5	15
	Q=l/min	0	16.6	33.3	50	75	83.3	100	116.6	125	150	166.6	200	225	250
NOVA UP X 300 M	H	7.1	6.2	5.5	4.8	3.7	3.3	2.5	1.6	1					
NOVA UP X 600 M	H (m)	9.7	9.4	8.9	8.4	7.5	7.2	6.5	5.6	5.1	3.7	2.5			

## NOVA UP X - CLEAN WATER DRAINING SUBMERSIBLE PUMPS FOR DOMESTIC USE

Liquid temperature range: from 0 °C to +35 °C for domestic use

SUBMERSIBLE PUMPS



The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

MODEL	ELECTRICAL DATA				
	POWER INPUT 50 Hz	P1 MAX kW	P2 NOMINAL		In A
			kW	HP	
NOVA UP X 300 M-A	1 x 220 - 240V ~	0.77	0.52	0.69	3.5
NOVA UP X 600 M-NA	1 x 220 - 240V ~	0.77	0.52	0.69	3.5

MODEL	L1	L2	DNM GAS	PACKING DIMENSIONS			CABLE	VOLUME (m <sup>3</sup> )	WEIGHT kg
				L/A	L/B	H			
NOVA UP X 300 M-A	313	268	1" <sup>3/4</sup>	198	198	415	10 mt.	0.018	5.6
NOVA UP X 600 M-NA	350	332	1" <sup>3/4</sup>	198	198	415	10 mt.	0.021	7.1