NOVA 180 A

NOVA 600 M

TECHNICAL DATA

Flow rate minimum and maximum: from 1 m^3/h to 16 m^3/h
Head up to: 10,2 m
Maximum immersion depth: 7 m
Type of pumped liquid: clear water or rainwater
Free passage: 5 mm or 10 mm (depending on the model)
Minimum intake level:
NOVA 180/200 8mm
NOVA 300 13mm
NOVA 600 30mm
Supported liquid temperature min. and max.:
from +0°C a +35°C for domestic use
from +0°C a +50° C for other use
Class of protection: IP 68
Motor insulation class: F
Impeller construction material(s): technopolimer
Single phase power input: 230 v 50 Hz
Three phase power input: 3x400V 50 Hz
Possible type of installation: fixed or portable in a vertical position

Nova is a submersible pump for draining clear water in domestic and residential environments. Completely redesigned in 2019 for the forty years of sales, it is now even more durable, reliable and ergonomic in use. Nova can also be used for emptying tanks or cisterns.

CONSTRUCTION FEATURES OF THE PUMP

The pump body, the impeller and the suction grille are in technopolymer. Robust and reliable with triple sealing in oil bath. The pump allows the suction of the liquid up to the minimum level of 10 mm and the possibility of dry operation up to 1 minute.

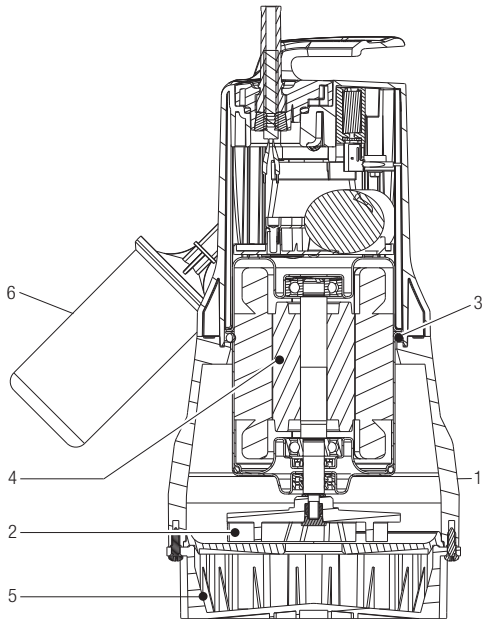
CONSTRUCTION FEATURES OF THE MOTOR

Continuous duty asynchronous submersible motor. Stator inserted in a hermetic stainless steel casing and rotor mounted on oversized ball bearings. Thermal protection incorporated in all single-phase versions.
The motor is in AISI 304 stainless steel and the shaft is in AISI 431 steel for greater resistance to corrosive attacks.

MATERIALS

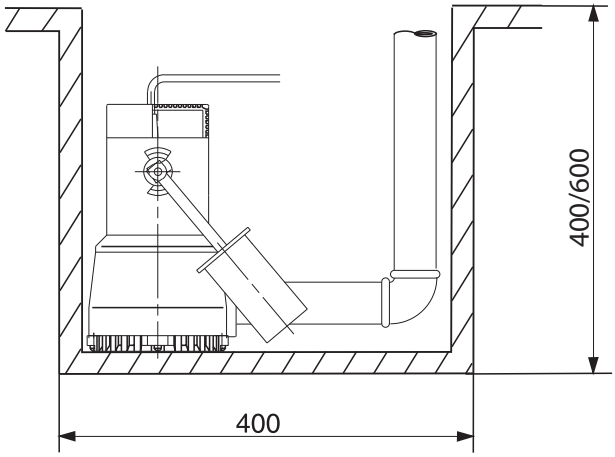
N°	PARTS *		MATERIALS
1	PUMP BODY		TECHNOPOLIMER
2	IMPELLER		TECHNOPOLIMER
3	OR RING		NBR
4	MOTOR	CASE	AISI 304 STAINLESS STEEL X5 CrNi1810 - UNI 6900/71
		ROTOR SHAFT	AISI 431 STAINLESS STEEL
5	SUCTION GRID		TECHNOPOLIMER
6	FLOAT		TECHNOPOLIMER

* In contact with the liquid



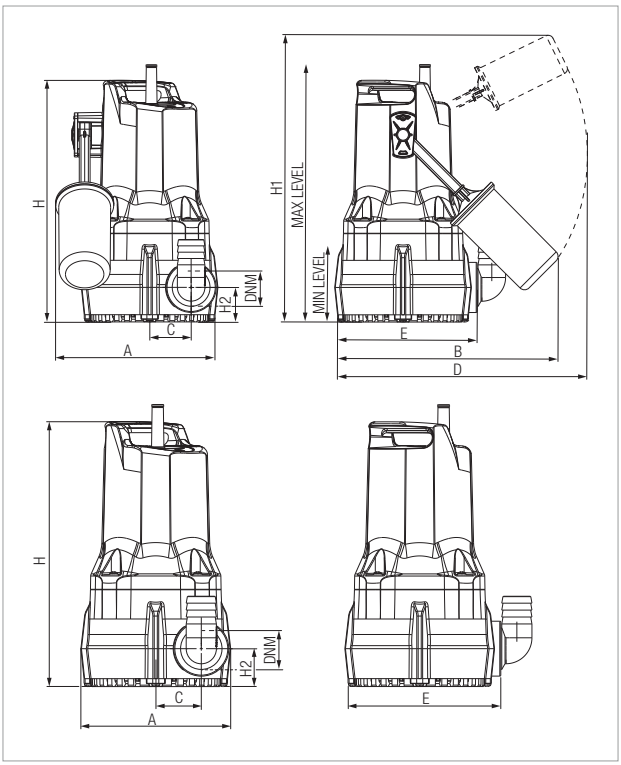
MINIMUM WELL SIZE FOR AUTOMATIC OPERATION FIXED INSTALLATION:

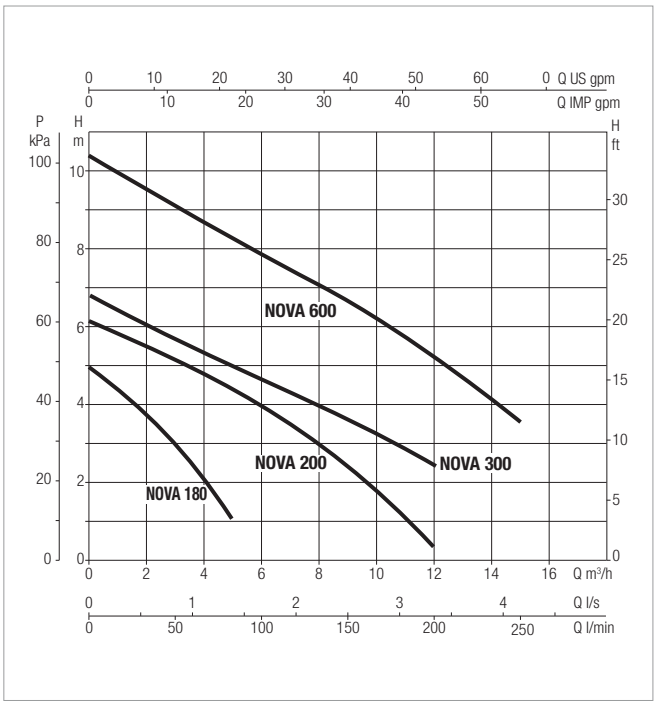
NOVA 180 - NOVA 300 - NOVA 600



NOVA 180-200 - SUBMERSIBLE PUMP

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





The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	Q= m³/h	0	3	6	9	12
	Q=l/min	0	50	100	150	200
NOVA 180 MA - MNA	H (m)	5	3,2	-	-	-
NOVA 200 MNA	H (m)	7,1	5,6	4,2	2,8	1,5

MODEL	ELECTRICAL DATA						
	POWER INPUT 50 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
			kW	HP		µF	Vc
NOVA 180 MA - MNA	1X230V~	0,19	0,2	0,3	0,9	5	450
NOVA 200 MNA	1X230V~	0,35	0,22	0,3	1,5	8	450

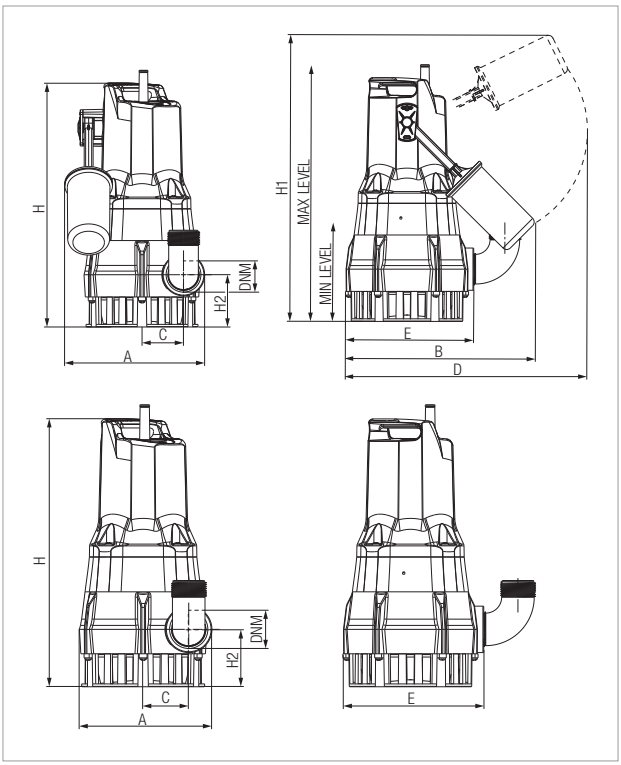
A: Automatic with float - NA: Non-automatic, without float

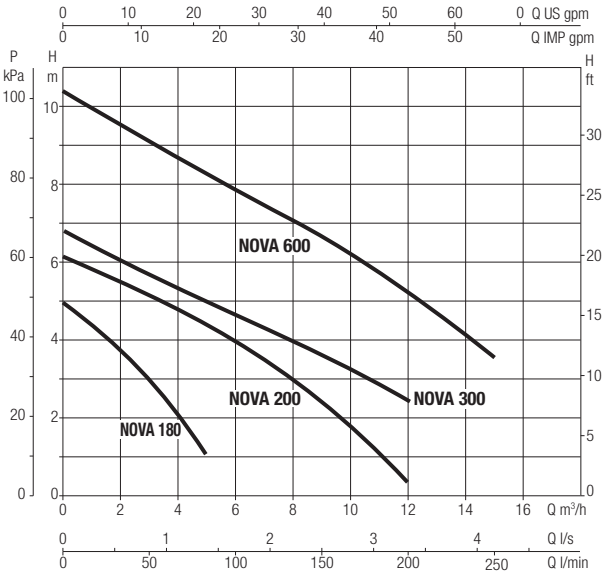
MODEL	A	B	C	D	E	H	H1	H2	LEV. MIN.	LEV. MAX.	DNM GAS	PACKING DIMENSIONS			CABLE*	VOLUME (mc)	WEIGHT Kg
												L/A	L/B	H			
NOVA 180 MA	180	247	46	296	158	268	345	38	77	285	1" ¼	287	202	320	5m H05 10m H05	0,019	4,6
NOVA 180 MNA	151	-	46	-	158	268	-	38	-	-	1" ¼	287	202	320	10m H05	0,019	4,6
NOVA 200 MNA	151	-	46	-	158	268	-	38	-	-	1" ¼	287	202	320	10m H05	0,019	4,6

As per European standard EN 60335-2-41, for outdoor use power cable must be 10m long.

NOVA 300-600 - SUBMERSIBLE PUMP

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





The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	Q= m³/h	0	3	6	9	12	15
	Q=l/min	0	50	100	150	200	250
NOVA 300 MA	H (m)	7,2	5,8	4,6	3,4	2,2	-
NOVA 600 MA-MNA-TNA	H (m)	10,4	9	7,8	6,7	5,3	3.5

MODEL	ELECTRICAL DATA						
	POWER INPUT 50 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
			kW	HP		µF	Vc
NOVA 300 MA	1X230 V~	0,35	0,22	0,3	1,5	8	450
NOVA 600 MA-MNA	1X230 V~	0,66	0,5	0,7	3,0	10	450
NOVA 600 TNA	3X400 V~	0,66	0,5	0,67	1,7	-	-

A: Automatic with float - NA: Non-automatic, without float

MODEL	A	B	C	D	E	H	H1	H2	LEV. MIN.	LEV. MAX.	DNM GAS	PACKING DIMENSIONS			CABLE*	VOLUME (mc)	WEIGHT Kg
												L/A	L/B	H			
NOVA 300 MA	180	247	46	296	158	277	354	47	85	285	1" ¼	287	202	320	5m H05 10m H05	0,019	4,6
NOVA 600 MA	189	255	56	296	174	329	443	71	190	390	1" ¼	287	202	431	5m H05 10m H05	0,025	7
NOVA 600 MNA	163	-	56	-	174	329	-	71	-	-	1" ¼	287	202	431	10m H05	0,025	7
NOVA 600 TNA	163	-	56	-	174	329	-	71	-	-	1" ¼	287	202	431	10m H07	0,025	7

As per European standard EN 60335-2-41, for outdoor use power cable must be 10m long.