

# NOVA-FEKA

SUBMERSIBLE PUMPS





FEKA 600 M



FEKA 300 A

### TECHNICAL DATA

**Flow rate minimum and maximum:** from 1 m<sup>3</sup>/h to 16 m<sup>3</sup>/h

**Head up to:** 7,5 m

**Maximum immersion depth:** 7 m

**Type of pumped liquid:** wastewater and rainwater

**Free passage:** 25 mm

**Minimum intake level:** 38 mm

**Supported liquid temperature min. and max.:**

from +0°C a +35°C for domestic use

da +0°C a +50° C for other uses

**Class of protection:** IP 68

**Motor insulation class:** F

**Impeller construction material(s):** technopolymer

**Single phase power input:** 230 V 50 Hz

**Three phase power input:** 3x230 V 50 Hz / 3x400 V 50 Hz

**Possible type of installation:** fixed or portable in a vertical position

Feka 300 and Feka 600 are submersible pumps suitable for draining and lifting light or gray wastewater and rainwater in domestic and residential environments, suitable for fixed or mobile installations. The pumps have been redesigned on the occasion of the forty years of production, making them even more reliable, resistant and ergonomic to use. Available in the automatic versions with integrated float switch or in the manual versions without float switch. Possibility of dry running up to 1 minute.

### CONSTRUCTION FEATURES OF THE PUMP

Technopolymer pump body and suction grille. Triple ring seal in oil bath.

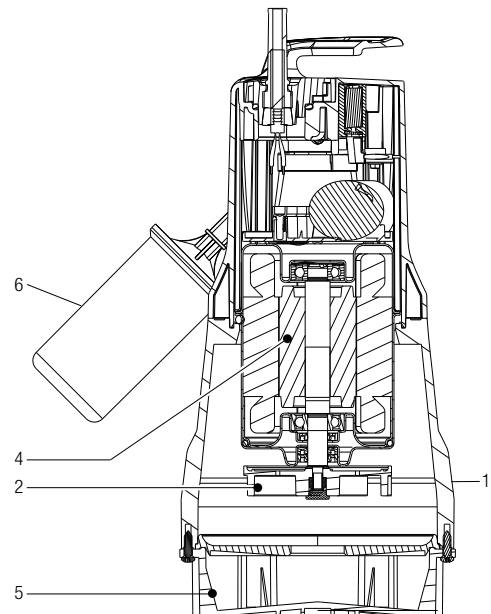
### CONSTRUCTION FEATURES OF THE MOTOR

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. Motor in AISI 304 stainless steel and shaft in AISI 431 steel for greater resistance to corrosive attacks.

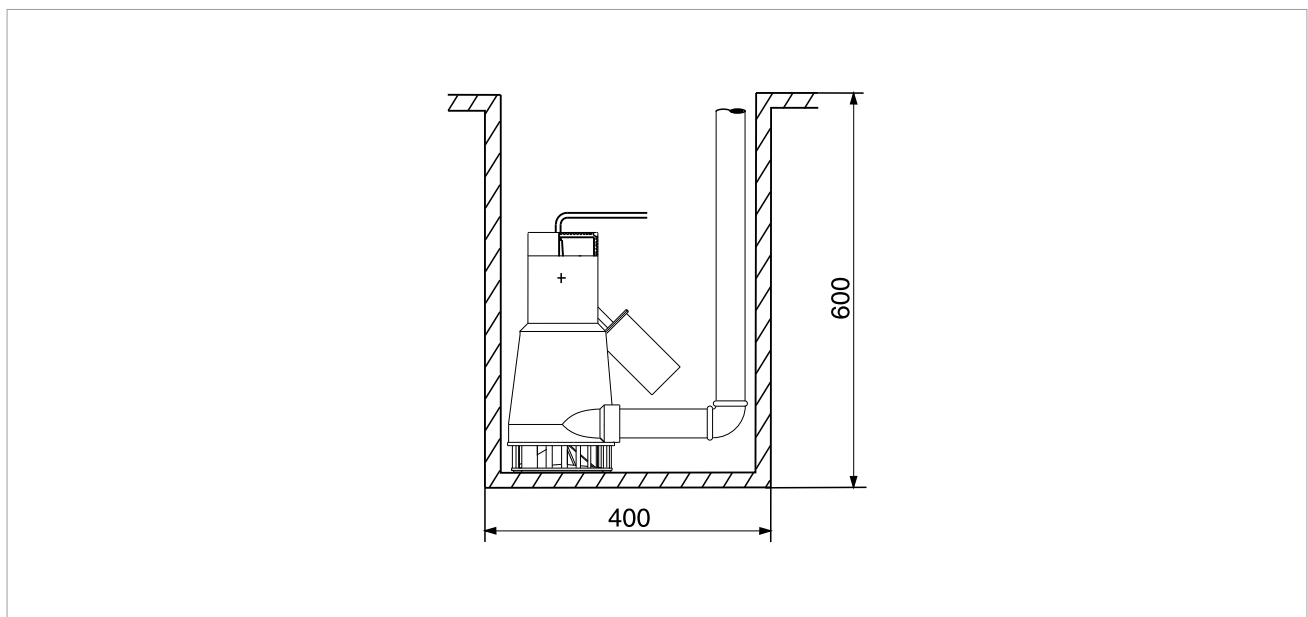
### MATERIALS

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

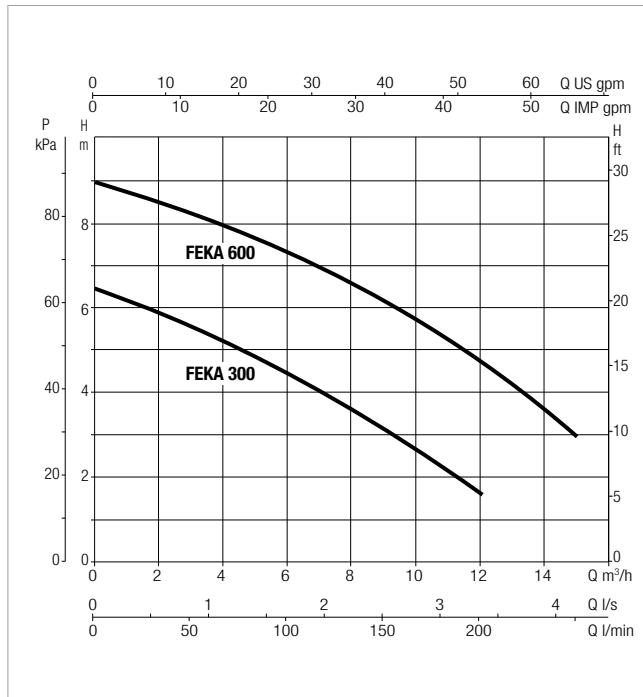
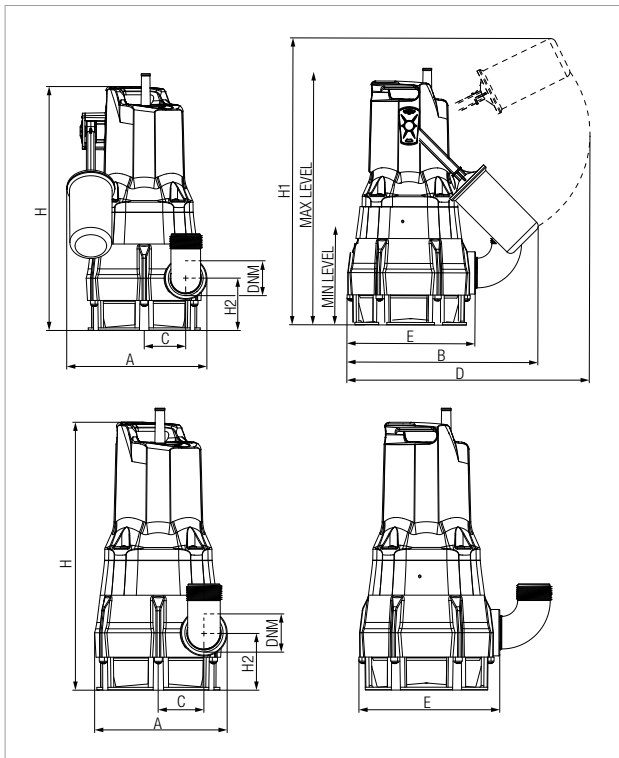


### MINIMUM WELL SIZE FOR AUTOMATIC OPERATION FIXED INSTALLATION:



# FEKA 300-600 - SUBMERSIBLE PUMPS

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



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	Q= m <sup>3</sup> /h	0	3	6	9	12	15
	Q=l/min	0	50	100	150	200	250
FEKA 300 MA - MNA	H (m)	6,4	5,5	4,4	3,1	1,6	
FEKA 600 MA-MNA-TNA	H (m)	8,9	8,2	7,2	6,1	4,7	2,9

MODEL	ELECTRICAL DATA						
	POWER INPUT 50 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
			kW	HP		µF	Vc
FEKA 300 MA - MNA	1X230V~	0,35	0,22	0,30	1,9	8	450
FEKA 600 MA-MNA	1X230V~	0,68	0,5	0,7	3,1	10	450
FEKA 600 TNA	3X400V~	0,68	0,5	0,7	1,8	-	-

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			
FEKA 300 MA	189	255	56	296	174	329	355	71	95	305	1" ¼	287	202	431	5m H05 10m H05	0,025	4,6
FEKA 300 MNA	163	-	56	-	174	329	-	71	-	-	1" ¼	287	202	431	10m H05	0,025	4,6
FEKA 600 MA	189	255	56	296	174	349	443	71	190	390	1" ¼	287	202	431	5m H05 10m H05	0,025	7
FEKA 600 MNA	163	-	56	-	174	349	-	71	-	-	1" ¼	287	202	431	10m H05	0,025	7
FEKA 600 TNA	163	-	56	-	174	349	-	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.