



TECHNICAL DATA

Operating range:

from 3 to 39 m³/h with head up to 17 metres.

Pumped liquid:

loaded water, generally for use in domestic or civil sewage waste systems without grids, compatibly with the construction materials.

Free passage: 42 mm.

PH of the liquid: 6 to 11

Liquid temperature range: from 0 °C to 40 °C.

Maximum immersion depth: 20 metres (with cable of appropriate length).

Motor protection class: IP 68.

Insulation class: F.

Standard voltage: 220-240 V - 50Hz single-phase.
380-415 V - 50Hz three-phase.

Supplied with: UNI 1092 PN 6 flange

Power cable: H07RN-F, 10 metres.

Installation: fixed using a coupling device, or free in the vertical position. Continuous duty with completely submerged pump.

APPLICATIONS

Submersible electric pump for civil and industrial drain water compatible with the pump materials. Suitable for lifting or decanting loaded cesspool water, sewage water from cesspools, meteoric water, or dirty water in general, containing solid matter with diameter up to 42 mm.

CONSTRUCTION FEATURES OF THE PUMP

ENGJL 200 cast-iron cover, motor body, hydraulic body and impeller.
Double carbon graphite/alumina mechanical seal in oil chamber.

CONSTRUCTION FEATURES OF THE MOTOR

Dry, asynchronous and waterproof motor, cooled by the surrounding liquid. Continuous S1 duty with completely submerged pump. Rotor mounted on permanently lubricated ball bearings, oversized to ensure long-term reliability and extended lifetime. In the single-phase version, the pump is supplied with capacitor housed in an external control panel with cable and shuko plug, manual reset overcurrent protection, and float for the automatic version. The automatic version is also supplied with a float.

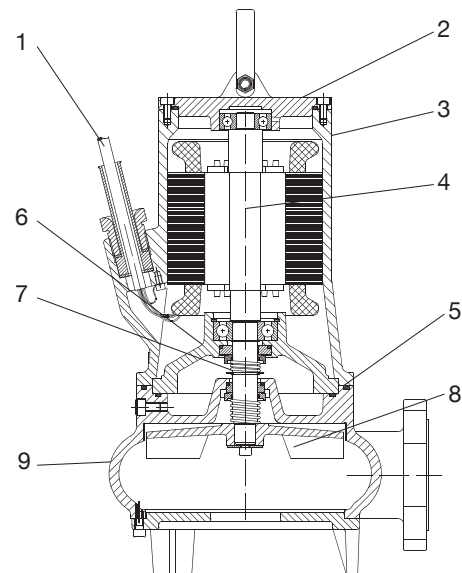
Number of poles: 2

Max starts/hour: 20

MATERIALS

N.	PARTS*	MATERIALS
1	POWER INPUT CABLE	H07RN-F
2	UPPER COVER	EN GJL 200 CAST IRON
3	MOTOR BODY	EN GJL 200 CAST IRON
4	MOTOR SHAFT	AISI 420
5	OR	NBR
6	BEARING FLANGE	EN GJL 200 CAST IRON
7	MECHANICAL SEAL	MOTOR: CARBON GRAPHITE - ALUMINA PUMP: CARBON GRAPHITE - ALUMINA
8	IMPELLER	EN GJL 200 CAST IRON
9	HYDRAULIC BODY	EN GJL 200 CAST IRON

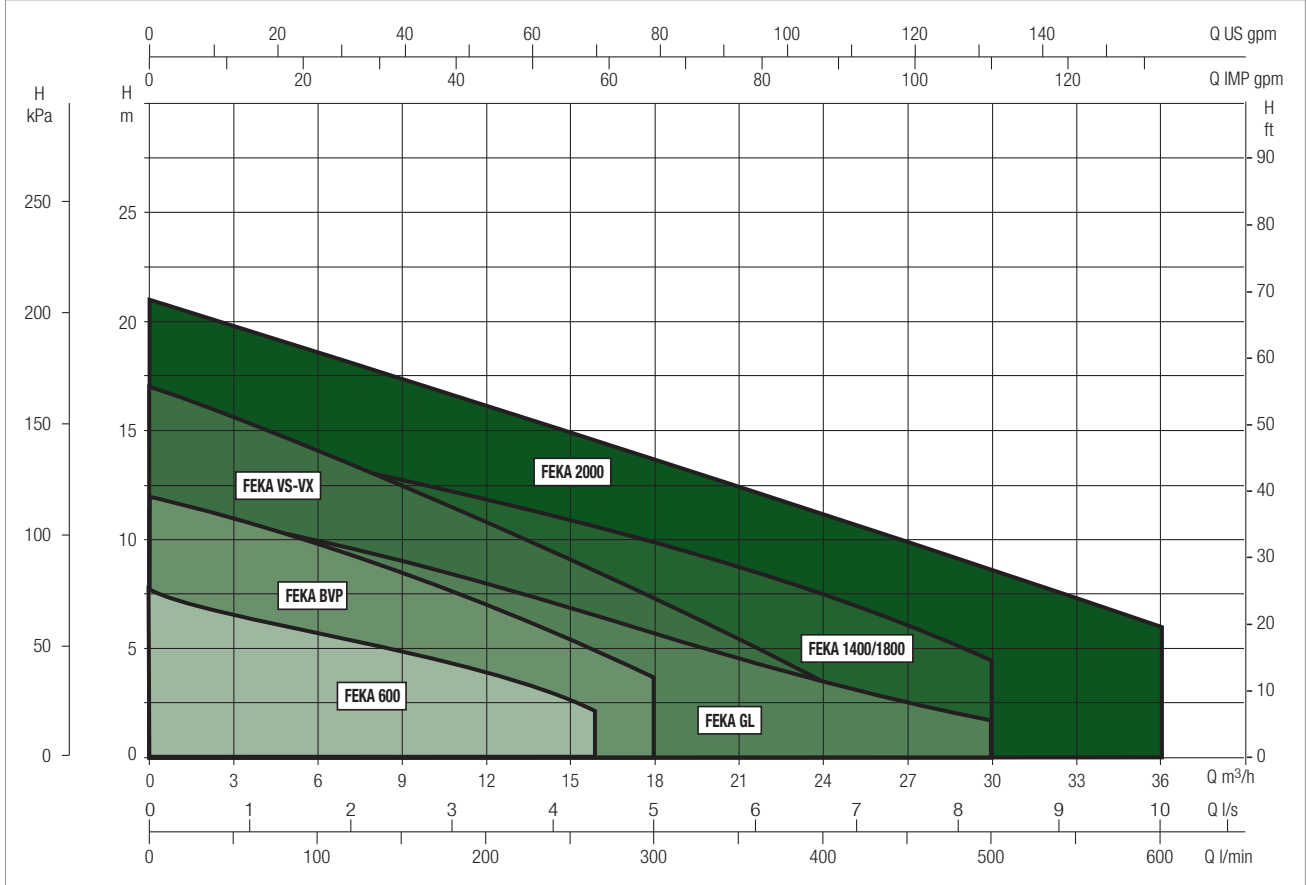
* In contact with the liquid



PERFORMANCE RANGE

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.

GRAPHIC SELECTION TABLE

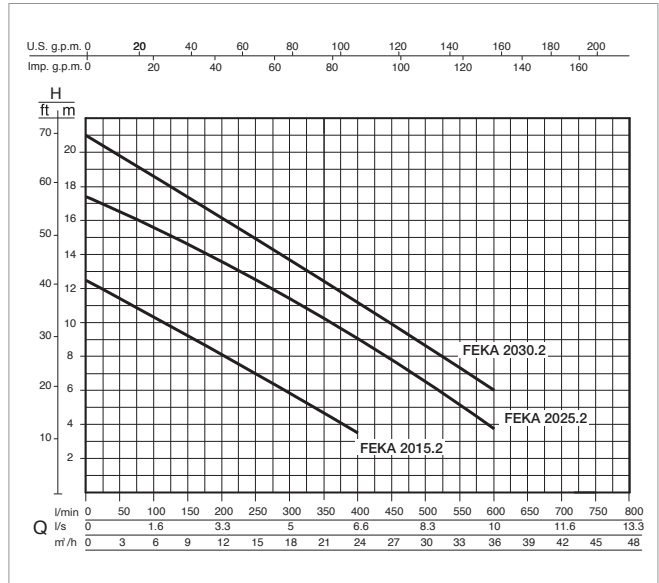
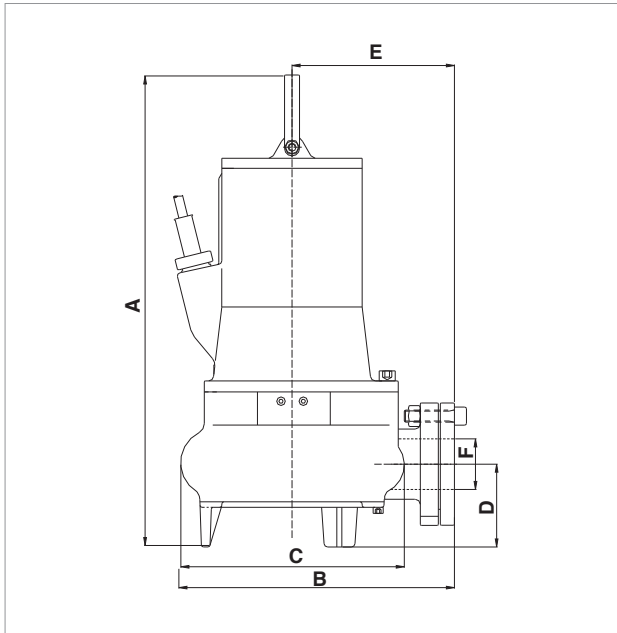


SELECTION TABLE - FEKA 2000

MODEL	Q= m ³ /h	0	3	6	9	12	15	18	24	30	36
	Q=l/min	0	50	100	150	200	250	300	400	500	600
FEKA 2015.2 M-T	H (m)	12.5	11.5	10.5	9.2	8	7	5.8	3.6		
FEKA 2025.2 T		17.5	16.5	15.6	14.7	13.6	12.5	11.6	9	6.5	3.8
FEKA 2030.2 T		21	19.8	18.5	17.5	16	15	13.8	11	8.3	6

FEKA 2000 - SUBMERSIBLE PUMPS FOR LIFTING WASTE WATER

Liquid temperature range: from 0 °C to +40 °C



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	ELECTRICAL DATA						
	POWER INPUT 50 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
			kW	HP		µF	Vc
FEKA 2015.2 MA	1 x 230V ~	1.6	1.1	1.5	8	30	450
FEKA 2015.2 MNA	1 x 230V ~	1.6	1.1	1.5	8	30	450
FEKA 2015.2 TNA	3 x 400V ~	1.5	1.1	1.5	2.8	-	-
FEKA 2025.2 TNA	3 x 400V ~	2.2	1.8	2.4	4.1	-	-
FEKA 2030.2 TNA	3 x 400V ~	3.3	2.2	3	5.6	-	-

MODEL	A	B	C	D	E	F Ø	DNM GAS	PACKING DIMENSIONS			VOLUME (m ³)	WEIGHT kg
								L/A	L/B	H		
FEKA 2015.2	457	300	220	88	178	2" GAS	2"	680	330	446	0.1	32
FEKA 2025.2 TNA	457	300	220	88	178	2" GAS	2"	680	330	446	0.1	33
FEKA 2030.2 TNA	457	300	220	88	178	2" GAS	2"	680	330	446	0.1	34

