

GRINDER 1000 - 1200 - 1600

SEWAGE PUMPS WITH CUTTING SYSTEM



Submersible centrifugal pump fitted with cutting system suitable for pumping domestic wastewater with usual solid additions. Solids which cannot be transported are rejected outside of the pump by the cutting rotor as the cutting system is located upstream from the pump hydraulics. Cover, motor body, hydraulic section and impeller in cast iron ENGJL 200, grinding device in AISI440C. **Carbon/alumina** double mechanical seal. Dry type asynchronous sealed motor. Rotor mounted on ball bearings to ensure silent running and long life. In the single-phase version capacitor current protection in external control box, supplied with the pump.

Motor protection level IP 68

Insulation class F

Continuous duty with pump completely immersed. The single-phase version can be equipped with float switch for automatic starting and stopping of the pump. Supplied as standard with 10 mt H07RN-F power cable.

Operating range

from 3 to 18 m³/h with head up to 23 mt.

Liquid quality requirements

Not aggressive sewage, drain water

Liquid temperature range From 0° to +40°

Maximum immersion depth 10 mt

Installation portable, in vertical position.

Free passage 5mm

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MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA								DNM GAS	WEIGHT KG	Q.TY x PALLET	
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m ³ /h	0	3	6	9	12	15				18
				kW	HP												
GRINDER 1000 M-A	60141604	1X220 - 240 V~	1,5	1	1,3	8	H (m)	15,2	12,9	10	6,9	3,6			2"	38	6
GRINDER 1000 M-NA	60141603	1X220 - 240 V~	1,5	1	1,3	8		15,2	12,9	10	6,9	3,6			2"	38	6
GRINDER 1000 T	60141602	3X400 V~	1,6	1	1,3	2,8		15,2	12,9	10	6,9	3,6			2"	38	6
GRINDER 1200 M-A	60141601	1X220 - 240 V~	2,8	1,5	2,0	12,7		20	18,9	17	14,7	11,7	8,1	4,2	2"	39	6
GRINDER 1200 M-NA	60141600	1X220 - 240 V~	2,8	1,5	2,0	12,7		20	18,9	17	14,7	11,7	8,1	4,2	2"	39	6
GRINDER 1200 T	60141599	3X400 V~	2,7	1,5	2,0	4,7		20	18,9	17	14,7	11,7	8,1	4,2	2"	39	6
GRINDER 1600 M-A	60141587	1X220 - 240 V~	3,8	1,8	2,4	16,8		23,5	22,3	20,6	18	14,8	11	5,7	2"	40	6
GRINDER 1600 M-NA	60141585	1X220 - 240 V~	3,8	1,8	2,4	16,8		23,5	22,3	20,6	18	14,8	11	5,7	2"	40	6
GRINDER 1600 T	60141588	3X400 V~	3,3	1,8	2,4	5,8		23,5	22,3	20,6	18	14,8	11	5,7	2"	40	6

GRINDER 1400 - 1800

SEWAGE PUMPS WITH CUTTING SYSTEM



PANEL ED HS*

Submersible pump with cast iron pump body, motor casing and adjustment ring impeller. Grinder device in micro casting steel. Stainless steel shaft, handle, filter, bolts and screws. Silicon/carbide mechanical seal, inspectionable oil chamber. Continuous duty submersible induction motor, in a watertight casing. Rotor mounted on oversized greased sealed-for-life ball bearings. THERMAL

PROTECTION in the windings, to be connected to the control panel with 10 metres of neoprene rubber power cable.

*** In order to operate, the pumps must be equipped with a control and protection system, supplied separately and not connected to the electropumps (see panels).**

Liquid temperature range from 0°C to +55°C

Operating range

from 3 to 9 m³/h with head up to 25 mt

Liquid quality requirements dirty waste water, untreated sewage containing solids and/or long fibres, always non aggressive.

Liquid temperature range from 0°C to +55°C

Maximum ambient temperature for pump operation with the motor emerging +40°C

Maximum immersion depth 10 mt.

Installation fixed or portable in a vertical position

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MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA					DNM GAS	WEIGHT KG	Q.TY x PALLET		
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m ³ /h	0	3	6				9	12
				kW	HP										
GRINDER 1400 M	103010440	1X220 - 240 V~	1,95	1,1	1,5	8,7	H (m)	24,5	22,3	19	14,1		2"	43,2	6
GRINDER 1800 T	103010560	3X400 V	2	1,5	2,0	3,8		27,2	25,5	23	14,9	14	2"	43,2	6

FEKA 600

SEWAGE PUMPS



Pump body, impeller, cap and suction grid in technopolymer. Motor, rotor shaft and screws in stainless steel.

Triple O-ring seal interposed with an oil precombustion chamber. Continuous duty submersible asynchronous motor. Stator fitted in an airtight stainless steel casing.

Rotor mounted on overdimensioned, greased-for-life ball bearings. Built-in thermal and current overload protection and a capacitor permanently on in the single-phase version. For the protection of the three-phase motor it is advisable to use a suitable overload protection complying with the regulations in force. Supplied with standard power cables for the single-phase version:

5 metres HO5RN-F cable for: FEKA 600 M-A

10 metres HO7RN-F cable for: FEKA 600 M-NA

Standard cables supplied for the three-phase version: 5 metres of HO7RN-F cable. For the single phase the standard is a SCHUKO plug EEC VII.

Operating range

from 1 to 16 m³/h with head up to 10.2 metres

Liquid temperature range

from 0°C to +35°C for domestic use

Pumped liquid characteristics

FEKA sewage water from septic tanks

Granulometersc passage through the suction grid

FEKA 600 - 25 mm

Min. suction depth

FEKA 600 A - 175 mm

FEKA 600 NA - 38 mm

Maximum immersion depth 7 metres

Maximum dry running time 1 minute

Protection level IP 68

Insulation class F

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MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA															DNM GAS	CABLE	WEIGHT KG	Q.TY x PALLET	
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	In HP	In A	Q=m ³ /h	0	1	2	3	4,5	5	6	7	7,5	9	10	12	15					
FEKA 600 M-A - SV	103002774	1X220-240 V~	0,94	0,55	0,75	4,3	Q=l/min	0	16,6	33,3	50	75	83,3	100	116,6	125	150	166,6	200	250	1"¼	5 mt. H05	7	32	
FEKA 600 M-NA - SV	103002784	1X220-240 V~	1	0,55	0,75	4,3	H (m)	0	7,45	7,1	6,75	6,45	6,1	5,95	5,7	5,45	5,35	4,95	4,7	4,1	2,8	1"¼	10 mt. H05	6,7	32
FEKA 600 T-NA - SV	103005824	3X400 V~	1	0,55	0,75	1,7	H (m)	0	7,45	7,1	6,75	6,45	6,1	5,95	5,7	5,45	5,35	4,95	4,7	4,1	2,8	1"¼	10 mt. H05	6,7	32

A= automatic with float NA= non automatic without float

FEKA BVP

SEWAGE PUMPS



Powerful submersible pumps for drainage and emptying duty.

Designed for pumping foul water containing solid particles of no more than 38 mm in diameter.

Anti-corrosion and anti-oxidation materials.

Motor with THERMAL

PROTECTION against overheating.

Wear-resistant motor shaft and impeller.

Excellent motor cooling to allow pump to run even when only partially submerged.

Automatic version equipped with float switch for automatic starting and stopping of the pump, and Manual version.

Equipped with power cable with plug, and 3-level union, without check valve.

Operating range

from 1 to 18 m³/h with head up to 12 metres.

Liquid temperature range

from 0°C to +35°C.

Pumped liquid

dirty water with maximum solid particle size 38 mm.

Max. immersion depth 7 metres.

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA															DNM GAS	CABLE	WEIGHT KG	Q.TY x PALLET		
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	In HP	In A	Q=m ³ /h	0	1	2	3	4,5	5	6	7	7,5	9	10	12	15					18	
FEKA BVP 700 M-A	60122690	1X230 V~	1,0	0,70	0,95	4,6	Q=l/min	0	10,5	10	9,9	9,5	8,9	8,8	8,1	7,8	7,5	7	6,1	5,1	4	1,5	1"½	10 mt.	8	27
FEKA BVP 750 M-A	60122691	1X230 V~	1,1	0,75	1	5,6	H (m)	0	12	11,7	11,1	11	10,4	10,1	9,8	9,1	9	8,8	8	7	6	3,6	1"½	10 mt.	8	27

FEKA VS

SEWAGE PUMPS



Submersible centrifugal pump with liquid vortex cast steel impeller, suitable for pumping sewer water and waste water in general containing solids up to a maximum size of 50 mm. Handle with insulating rubber cover. AISI 316 stainless steel drive shaft. Double mechanical seal with intermediate oil chamber (atoxic oil), in carbon/alumina on the motor side and silicon carbide/silicon carbide on the pump side. Dry, asynchronous, sealed and cooled by the pumped liquid. Rotor mounted on greased for-life ball bearings, oversized and selected to guarantee greater noise reduction and duration. Thermo-amperometersc protection as standard for single-phase version, and the user's responsibility for the three-phase version. Constantly active capacitor on the single-phase version. Construction in accordance with the IEC 2-3 IEC 61-69 (EN 60335-2-41) standards.

Motor protection class IP 68

Insulation class F

Standard voltage

220-240V 50Hz Single-phase

400V 50Hz Three-phase

Continual running with liquid at 35 °C and pump completely submersible. The single-phase version can be supplied with float for automatic function.

Power supply cable 10 mt of H07RN-F cable with Shuko plug for the single-phase version and 10 meters of H07RN-F cable for the three-phase version.

Operating range

from 0 to 32 m³/h with head up to 14 mt

Pumped liquid sewer water and waste water in general and non aggressive.

Liquid temperature range from 0°C to +35°C for household use (EN 60335-2-41), from 0°C to +50°C for other uses.

Maximum ambient temperature for pump running with submersible motor +40°C

Maximum immersion depth 10 mt

Installation fixed or portable, vertical.

Free Passage 50 mm

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VS

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA													DNM GAS	FREE PASSAGE mm	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m ³ /h	0	3	6	9	12	15	18	24	30							
				kW	HP												Q=l/min	0	50				
FEKA VS 550 M-A	103040000	1X220 - 240 V~	0,92	0,55	0,75	4,2	H (m)	7,4	6,9	6,2	5,6	4,1	3,2	1,8			2"	50	16,3	24			
FEKA VS 550 M-NA	103040010	1X220 - 240 V~	0,92	0,55	0,75	4,2		7,4	6,9	6,2	5,6	4,1	3,2	1,8			2"	50	16,3	24			
FEKA VS 550 T-NA	103040020	3X400 V~	0,90	0,55	0,75	1,64		7,4	6,9	6,2	5,6	4,1	3,2	1,8			2"	50	16,3	24			
FEKA VS 750 M-A	103040040	1X220 - 240 V~	1,11	0,75	1	5,13		9,6	9,2	8,5	7,6	6,7	5,6	4,3	1,9			2"	50	17,5	24		
FEKA VS 750 M-NA	103040050	1X220 - 240 V~	1,11	0,75	1	5,13		9,6	9,2	8,5	7,6	6,7	5,6	4,3	1,9			2"	50	17,5	24		
FEKA VS 750 T-NA	103040060	3X400 V~	1,02	0,75	1	1,94		9,6	9,2	8,5	7,6	6,7	5,6	4,3	1,9			2"	50	17,5	24		
FEKA VS 1000 M-A	103040080	1X220 - 240 V~	1,46	1	1,36	6,63		11,8	11,3	10,5	9,8	9,0	8,0	6,8	4,1			2"	50	19,3	24		
FEKA VS 1000 M-NA	103040090	1X220 - 240 V~	1,46	1	1,36	6,63		11,8	11,3	10,5	9,8	9,0	8,0	6,8	4,1			2"	50	19,3	24		
FEKA VS 1000 T-NA	103040100	3X400 V~	1,37	1	1,36	2,51		11,8	11,3	10,5	9,8	9,0	8,0	6,8	4,1			2"	50	19,3	24		
FEKA VS 1200 M-A	103040120	1X220 - 240 V~	1,93	1,2	1,6	8,63		14	13,4	12,8	12,0	11,2	10,1	9,0	6,7	4		2"	50	20,8	24		
FEKA VS 1200 M-NA	103040130	1X220 - 240 V~	1,93	1,2	1,6	8,63		14	13,4	12,8	12,0	11,2	10,1	9,0	6,7	4		2"	50	20,8	24		
FEKA VS 1200 T-NA	103040140	3X400 V~	1,86	1,2	1,6	3,44		14	13,4	12,8	12,0	11,2	10,1	9,0	6,7	4		2"	50	20,8	24		

FEKA 1400 - 1800

SEWAGE PUMPS



VORTEX IMPELLER



CONTROL MDN *



Submersible pump with cast iron pump body, motor casing and vortex impeller. Stainless steel shaft, handle, filter, bolts and screws. Silicon/carbide mechanical seal, inspectionable oil chamber.

Continuous duty submersible induction motor, in a watertight casing. Rotor mounted on oversized greased sealed-for-life ball bearings.

THERMAL

PROTECTION in the windings, to be connected to the control panel with 10 metres of neoprene rubber power cable.

*** In order to operate, the pumps must be equipped with a control box and protection system, supplied separately and not connected to the electropumps (see panels).**

Liquid temperature range from 0°C to +55°C

Operating range from 3 to 30 m³/h with head up to 14 mt for the single-phase version and 15,5 mt for the three-phase version.

Liquid quality requirements dirty waste water, untreated sewage containing solids and/or long fibres, always non aggressive

Liquid temperature range from 0°C to +55°C

Maximum ambient temperature for pump operation with the motor emerging +40°C

Maximum immersion depth 10 mt

Installation fixed or portable in a vertical position

Free passage 38 mm

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MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA										DNM GAS	FREE PASSAGE mm	WEIGHT KG	Q.TY x PALLET	
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=H													
				kW	HP		Q=m ³ /h	0	6	9	12	15	18	24	30					Q=l/min
FEKA 1400 M	103010240	1X220 - 240 V~	1,8	1,1	1,5	8,5	H (m)	13,9	12	11	9,9	8,9	7,8	5,7	3,4	2"	38	41,2	6	
FEKA 1800 T	103010360	3X400 V	1,9	1,5	2,0	3,7	H (m)	15,5	13,7	12,8	11,8	10,7	9,7	7,3	4,5	2"	38	41,8	6	

FEKA 2000

SEWAGE PUMPS



VORTEX IMPELLER

Cast iron submersible pumps vortex impeller for sewage, suitable for foul waste water with solid contents with **42 mm** as maximum diameter. Technopolymer upper cover with handle. Motor body, hydraulic section and any impeller in cast iron EN GJL 200. Double mechanical seals in oil chamber: motor side carbon/alumina, pump side in silicon carbide/silicon carbide. Dry type asynchronous sealed motor. Rotor mounted on ball bearings to ensure silent running and long life.

***For single phase version, capacitor and overcurrent protection are set in external control box supplied with Schuko plug.**

For three phase versions, thermal and overcurrent protection are responsibility of the user.

Motor protection rating IP 68

Insulation class F

Continuous duty with completely immersed pump. Supplied as standard with **10 metre H07RN-F** power cable.

Operating range

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

Liquid quality requirements

Non-aggressive sewage, drain water

Liquid temperature range From 0° to + 40°.

Maximum immersion depth 20 metres

Installation portable, in vertical position.

Free passage 42 mm.

Comes with UNI 1092 PN 6 compliant flange.

Lifting device available see accessories.

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MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA								DNM	FREE PASSAGE mm	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m ³ /h	0	3	6	12	18	24	36				
				kW	HP		Q=l/min	0	50	100	200	300	400	600				
FEKA 2015.2 MA	60145478	1X230 V~	1,6	1,1	1,5	8	H (m)	12,5	11,5	10,5	8	5,8	3,6		50	42	32	8
FEKA 2015.2 MNA	60145479	1X230 V~	1,6	1,1	1,5	8		12,5	11,5	10,5	8	5,8	3,6		50	42	32	8
FEKA 2015.2 TNA	60145480	3X400 V~	1,5	1,1	1,5	2,8		12,5	11,5	10,5	8	5,8	3,6		50	42	32	8
FEKA 2025.2 TNA	60145481	3X400 V~	2,2	1,8	2,4	4,1		17,5	16,5	15,6	13,6	11,6	9	3,8	50	42	33	8
FEKA 2030.2 TNA	60145482	3X400 V~	3,3	2,2	3	5,6		21	19,8	18,5	16	13,8	11,00	6	50	42	34	8

SPECIAL VERSIONS

MODEL	CODE
VERSION WITH THERMAL PROTECTION	on request

FEKA 2500 /2700

SEWAGE PUMPS



VORTEX IMPELLER

Cast iron submersible pumps with vortex impeller for sewage, suitable for foul and waste water with solid contents with **62 mm** as maximum diameter.

Motor body, hydraulic section and any impeller in cast iron EN G.JL 200. Single mechanical seals pump side in silicon carbide/silicon carbide in oil chamber. Dry type asynchronous sealed motor. Rotor mounted on ball bearings to ensure silent running and long life.

On request: oil chamber with water level detector kit.

The single-phase version can be equipped with float switch for automatic starting and stopping of the pump.

***For single phase version, capacitor and overcurrent protection are set in external control box supplied with Schuko plug.**

For three phase versions, thermal and overcurrent protection are responsibility of the user

Motor protection rating IP 68

Insulation class F

Continuous duty with completely immersed pump.

Supplied as standard with **10 mt H07RN-F** power cable.

Operating range

from 6 to 48 m³/h with head up to 17 mt.

Liquid quality requirements

Non-aggressive sewage, drain water

Liquid temperature range From 0° to + 40°.

Maximum immersion depth 20 mt

Installation portable, in vertical position.

Free passage 62 mm.

Comes with UNI 1092 PN 6 compliant flange.

Lifting device available see accessories.

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MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										DNM	FREE PASSAGE mm	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m ³ /h	0	3	6	12	18	24	36	48					
				kW	HP		Q=l/min	0	50	100	200	300	400	600	800					
FEKA 2508.4M-NA	60141722	1X230 V~	0,9	0,6	0,8	4,6	H (m)	5,4	5,1	4,8	4,1	3,4	2,6	1		65	62	40	6	
FEKA 2508.4T D	60141723	3X400 V~	0,8	0,6	0,8	1,5		5,4	5,1	4,8	4,1	3,4	2,6	1		65	62	40	8	
FEKA 2515.4T D	60141724	3X400 V~	1,2	1,1	1,5	3,3		6,2	6,1	5,9	5,5	5,0	4,5	3,1	1,4	65	62	41	8	
FEKA 2500.4T D	103018080	3X400 V~	2,8	1,4	1,9	4,9		8	7,8	7,6	7,2	6,7	6,3	5,4	4,4	65	62	45	8	
FEKA 2515.2T D	60141726	3X400 V~	1,9	1,1	1,5	3,3		9,3	8,8	8,4	7,6	6,5	5,3	3		65	62	41	8	
FEKA 2500.2T D	103018000	3X400 V~	2,8	1,8	2,4	4,7		14	13,5	13	12	11	10	7,5	4	65	62	45	8	
FEKA 2700.2T D	103018040	3X400 V~	3	2,18	2,9	5,7		16,5	15,5	14,8	13,6	12,5	11,4	9	5,5	65	62	47	8	

SPECIAL VERSIONS

MODEL	CODE
VERSION WITH THERMAL PROTECTION	on request
VERSION WITH WATER LEVEL DETECTOR	on request

FK

SUBMERSIBLE PUMPS



Design for the pumping of wastewater and sewage from buildings and sites in private, commercial, industrial areas in accordance with European Standard EN 12050-1.

Vortex impeller with maximum solids handling with new no-clogging shape, single channel impeller with high efficiency and compliance with European Standard EN 12050-1. Single-unit cartridge seal with double mechanical seals, SiC-SiC at the pump side, SiC-C at the motor side. All seals are independent of rotation direction. DN 65, DN 80, DN 100 radial slot EN 1092-1 flange discharge.

Liquid Viscosity : 1mm²/s. Premium Efficiency IE3, three-phase, squirrel-cage motor. Continuously S1 rated motor in submerged applications, or discontinuous S3 according to minimum levels. Seal monitoring by a moisture sensor in the seal chamber, which signals an inspection alert if there is leakage at the mechanical seals (optional). Bi-metallic switch in stator windings, with max temperature (150°C). Stainless steel shaft. Designed with high resistance fatigue fracture.

Available in Ex version for use in potentially explosive atmosphere (ATEX certifications: II2G Ex db k IIB T4 or IECEx: Ex db IIB T4 Gb).

Impeller type FKV: Vortex.

FKC: Single channel.

Solid handling 65 ÷ 100 mm

Nominal power 1,1 ÷ 11 kW

Outlet DN 65 / 80 / 100 / 150

Performance range

from 4.3 to 280 m³/h with 41 meters head.

Fluid wastewater and sewage from buildings and sites in private, commercial, industrial areas.

Fluid PH 6.5 ÷ 12.

Fluid temperature range from 0° to +40°C.

For higher temperature please contact our sales offices.

Max installation depth

20 mt (with a proper cable length).

Type of installation fixed by Coupling Unit, portable in vertical position with pedestal. Continuous working with total submerged applications, or discontinuous S3 with respect of minimum levels.

Approvals EN 12050-1 e Ex (ATEX , IECEx).

Degree of protection IP 68

Insulation class F

Max starting / hours 20

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ENERGY EFFICIENCY **IE3**



NEW IE3 MOTORS

The new **IE3 premium efficiency motors** drastically reduce energy operation costs. Given the low running temperatures, it is guaranteed their operation up to 40°C, for higher temperatures please contact the sales department.

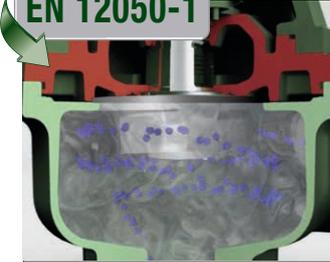
Thermal protection is standard and they have an insulation class equivalent to F.



SINGLE-UNIT CARTRIDGE SEAL

A single-unit cartridge seal is a great advantage for maintenance of the pump as allows the removal and insertion of the seals in less time, having a total guarantee to carry out properly. It's an **exclusive patent DAB**: a double mechanical seal Sic-Sic with opposite faces, independent from the rotation direction of shaft, with Viton elastomers and leap seal.

EN 12050-1



NEW NO-CLOGGING VORTEX IMPELLER

The guarantee of operation comes before efficiency. A new design of the Vortex impellers and the total solid handling are respectively the two guarantees to have no-clogging issues.

Compliant with EN 12050-1

EN 12050-1



NEW SINGLE CHANNEL HYDRAULICS

The new high efficiency single-channel hydraulic has been designed especially for continuous wastewater operations with high flow demand and low fiber content.

Compliant with EN 12050-1

FK

SUBMERSIBLE PUMPS



FKV 65

MODEL	STANDARD	OIL SENSOR	Ex (ATEX)	ELECTRICAL DATA				HYDRAULIC DATA												DNM	FREE PASSAGE mm	WEIGHT KG	
	CODE	CODE	CODE	VOLTAGE 50 Hz	P1 MAX kW	P2 NOM.		In A	Q=m³/h														
						kW	HP		0	8	16	23	31	39	47	55	62	72					
FKV 65.11.4 T5	60172586	60176718	60178992	3x400 V DOL	1,3	1,1	1,5	3,3	9,1	8,7	7,7	6,4	4,9	3,4	2,2				65	55	94		
FKV 65.22.2 T5	60171422	60176719	60178993	3x400 V DOL	2,5	2,2	3	4,8	16,5	14,1	11,4	8,5	5,8	3,5	2,1				65	65	94		
FKV 65.30.2 T5	60170389	60176720	60176081	3x400 V DOL	3,3	3	4	5,7	21,1	19,3	16,6	13,4	10,0	6,9	4,3	2,6			65	65	94		
FKV 65.40.2 T5	60171423	60172163	60178994	3x400 V DOL	4,6	4	5,5	7,5	27,2	25,8	23,5	20,6	17,2	13,7	10,3	7,2	4,8	3,0	65	65	143		

FKV 80

MODEL	STANDARD	OIL SENSOR	Ex (ATEX)	ELECTRICAL DATA				HYDRAULIC DATA												DNM	FREE PASSAGE mm	WEIGHT KG	
	CODE	CODE	CODE	VOLTAGE 50 Hz	P1 MAX kW	P2 NOM.		In A	Q=m³/h														
						kW	HP		0	12	24	36	48	60	72	84	96	108					
FKV 80.11.4 T5	60171443	60176715	60178995	3x400 V DOL	1,3	1,1	1,5	3,5	7,0	6,3	5,0	3,6	2,1						80	80	103		
FKV 80.15.4 T5	60171444	60176716	60178996	3x400 V DOL	1,8	1,5	2,0	3,8	9,3	9,0	7,8	6,1	4,2	2,7	1,9				80	80	103		
FKV 80.22.4 T5	60170418	60176717	60178997	3x400 V DOL	2,5	2,2	3,0	4,7	11,5	11,4	10,5	9,1	7,3	5,4	3,7				80	80	104		
FKV 80.40.4 T5	60171445	60172165	60178998	3x400 V DOL	4,5	4,0	5,5	8,6	17,5	16,7	15,5	14,0	12,4	10,7	9,0	7,4			80	80	172		
FKV 80.40.2 T5	60171424	60172158	60178999	3x400 V DOL	4,6	4	5,5	7,7	22,1	20,1	16,5	12,2	8,0	4,6	2,9				80	80	148		
FKV 80.60.2 T5	60171425	60172166	60179000	3x400 V Y/D	6,9	6	8,2	11,7	29,1	27,5	24,4	20,3	15,7	11,4	7,9				80	80	152		
FKV 80.75.2 T5	60170434	60172167	60179001	3x400 V Y/D	8,3	7,5	10,2	13,7	32,1	31,2	28,5	24,5	19,9	15,1	10,6	7,1	5,1		80	80	152		
FKV 80.92.2 T5	60171426	60172168	60179002	3x400 V Y/D	10,2	9,2	12,5	18	35,9	35,5	33,1	29,2	24,4	19,3	14,3	10,2	7,3		80	80	202		
FKV 80.110.2 T5	60170429	60172169	60179003	3x400 V Y/D	12,1	11	15	21	40,9	40,7	38,7	35,2	30,6	25,6	20,3	15,5	11,4	8,5	80	80	202		

FKV 100

MODEL	STANDARD	OIL SENSOR	Ex (ATEX)	ELECTRICAL DATA				HYDRAULIC DATA												DNM	FREE PASSAGE mm	WEIGHT KG	
	CODE	CODE	CODE	VOLTAGE 50 Hz	P1 MAX kW	P2 NOM.		In A	Q=m³/h														
						kW	HP		0	15	30	45	60	75	90	105	126	144					
FKV 100.30.4 T5	60171446	60172170	60179004	3x400 V DOL	3,5	3	4	8	11,8	10,9	9,6	8,0	6,2	4,6	3,1				100	100	166		
FKV 100.40.4 T5	60171447	60172171	60179005	3x400 V DOL	4,5	4	5,5	8,9	14,0	13,1	11,9	10,4	8,8	7,1	5,4	3,9			100	100	166		
FKV 100.55.4 T5	60171448	60172172	60179006	3x400 V Y/D	6,2	5,5	7,5	11,3	15,9	15,5	14,8	13,7	12,3	10,8	9,2	7,5	5,4		100	100	220		
FKV 100.75.4 T5	60170428	60172173	60179007	3x400 V Y/D	8,3	7,5	10	14,3	19	18,8	18,3	17,4	16,3	15	13,5	11,9	9,6	7,7	100	100	220		

Power input: 3x400V DOL direct start-up, 3x400V Y/D star-delta start-up.
All models are available with 230V power input voltage and Y/D or DOL start-up.

FK

SUBMERSIBLE PUMPS



FKC 65

MODEL	STANDARD	OIL SENSOR	Ex (ATEX)	ELECTRICAL DATA				HYDRAULIC DATA										DNM	FREE PASSAGE mm	WEIGHT KG									
	CODE	CODE	CODE	VOLTAGE 50 Hz	P1 MAX kW	P2 NOM. kW	In HP	In A	Q=m³/h	0	9,6	19,2	28,8	38,4	48	57,6	67,2				76,8	90	Q=l/min	0	160	320	480	640	800
FKC 65 22.2 T5	60176795	60180431	60180454	3x400 V DOL	2,6	2,2	3	4,8	H (m)	20,0	17,1	14,8	12,8	11,2	9,7	8,3	6,8	5,3	2,8	65	50	93							
FKC 65 30.2 T5	60176857	60180439	60180462	3x400 V DOL	3,4	3	4,1	5,8		26,5	22,6	19,4	16,7	14,6	12,8	11,2	9,8	8,2	5,8	65	50	93							

FKC 80

MODEL	STANDARD	OIL SENSOR	Ex (ATEX)	ELECTRICAL DATA				HYDRAULIC DATA										DNM	FREE PASSAGE mm	WEIGHT KG									
	CODE	CODE	CODE	VOLTAGE 50 Hz	P1 MAX kW	P2 NOM. kW	In HP	In A	Q=m³/h	0	21	42	63	84	105	126	147				168	189	Q=l/min	0	350	700	1050	1400	1750
FKC 80 15.4 T5	60176796	60180432	60180455	3x400 V DOL	1,8	1,5	2,1	3,5	H (m)	8,9	7,4	6,2	5,0	3,8	2,5						80	80	105						
FKC 80 22.4 T5	60176858	60180440	60180463	3x400 V DOL	2,6	2,2	3	4,7		13,9	11,3	9,3	7,6	6,2	4,7	2,9					80	80	105						
FKC 80 30.4 T5	60176871	60180443	60180466	3x400 V DOL	3,6	3	4,1	7,6		13,9	11,8	10,1	8,7	7,4	6,1	4,7	3,0				80	80	165						
FKC 80 40.4 T5	60176872	60180444	60180467	3x400 V DOL	4,7	4	5,5	8,9		17,4	15,0	13,1	11,5	10,2	8,9	7,6	6,2				80	80	164						
FKC 80 55.4 T5	60176854	60180437	60180460	3x400 V Y/D	6,3	5,5	7,5	8,6		21	18,8	16,8	15,1	13,5	12	10,6	9,3	7,9			80	80	217						
FKC 80 75.4 T5	60176855	60180438	60180461	3x400 V Y/D	8,1	7,5	10,3	14,1		24,6	21,9	19,7	17,8	16	14,5	13	11,5	9,8	8	80	80	218,6							

FKC 100

MODEL	STANDARD	OIL SENSOR	Ex (ATEX)	ELECTRICAL DATA				HYDRAULIC DATA										DNM	FREE PASSAGE mm	WEIGHT KG									
	CODE	CODE	CODE	VOLTAGE 50 Hz	P1 MAX kW	P2 NOM. kW	In HP	In A	Q=m³/h	0	30	60	90	120	150	180	210				240	288	Q=l/min	0	500	1000	1500	2000	2500
FKC 100 15.4 T5	60176859	60180441	60180464	3x400 V DOL	1,8	1,5	2,1	3,9	H (m)	8,9	6,8	5,0	3,3								100	80	106						
FKC 100 22.4 T5	60176860	60180442	60180465	3x400 V DOL	2,6	2,2	3	4,7		14,1	10,7	8,1	6,0	3,9							100	80	106						
FKC 100 30.4 T5	60176873	60180445	60180468	3x400 V DOL	3,7	3	4,1	7,7		9,8	9,0	7,9	6,8	5,5	4,2	3,0					100	100	172						
FKC 100 40.4 T5	60176874	60180446	60180469	3x400 V DOL	4,4	4	5,5	8,6		13,1	11,4	9,8	8,3	6,9	5,4	4,0					100	100	172						
FKC 100 55.4 T5	60176850	60180434	60180457	3x400 V Y/D	6,1	5,5	7,5	11,4		17,4	15,4	13,5	11,8	10,2	8,7	7,1	5,5	3,9			100	100	205						
FKC 100 75.4 T5	60176851	60180435	60180458	3x400 V Y/D	8,4	7,5	10,3	14,6		22,5	20,1	18	16	14,2	12,5	10,9	9,2	7,5	4,6	100	100	205							

FKC 150

MODEL	STANDARD	OIL SENSOR	Ex (ATEX)	ELECTRICAL DATA				HYDRAULIC DATA										DNM	FREE PASSAGE mm	WEIGHT KG									
	CODE	CODE	CODE	VOLTAGE 50 Hz	P1 MAX kW	P2 NOM. kW	In HP	In A	Q=m³/h	0	36	72	108	144	180	216	252				288	324	Q=l/min	0	600	1200	1800	2400	3000
FKC 150 30.4 T5	60177074	60180448	60180471	3x400 V DOL	3,7	3	4,1	7,8	H (m)	9,7	8,7	7,6	6,3	5,0	3,5	2,1					150	100	175						
FKC 150 40.4 T5	60176875	60180447	60180470	3x400 V DOL	4,5	4	5,5	8,7		13,3	11,4	9,8	8,1	6,6	5,0	3,3	1,5				150	100	175						
FKC 150 55.4 T5	60176852	60180436	60180459	3x400 V Y/D	6	5,5	7,5	11,3		17,3	14,8	12,7	10,9	9,3	7,7	6,2	4,7	2,9			150	100	222,2						
FKC 150 75.4 T5	60176853	60180433	60180456	3x400 V Y/D	8,4	7,5	10,3	14,7		22,5	19,6	17,2	15	13,1	11,4	9,7	8,1	6,3	4,3	150	100	224							

Power input: 3x400V DOL direct start-up, 3x400V Y/D star-delta start-up.
All models are available with 230V power input voltage and Y/D or DOL start-up.

ACCESSORIES AND OPTIONS

RINGSTAND	FKC 65	FKV 65/80	FKC 80 FKV 100	FKC 100/150	DESCRIPTION	CODE	WEIGHT Kg	MODEL	CODE
	•				RINGSTAND Ø325 FK	60170329	10,5	CABLE 20MT - 4G1.5+3X1 07RN8-F	on request
		•			RINGSTAND Ø330 FK	60170330	10,5	CABLE 30MT - 4G1.5+3X1 07RN8-F	on request
			•	up to 2.2kW	RINGSTAND Ø355 FK	60170331	11,4	CABLE 50MT - 4G1.5+3X1 07RN8-F	on request
			•	above 2.2kW	RINGSTAND Ø400 FK	60184584	10,3	CABLE 20MT - 7G2,5+3X1 07RN8-F	on request
								CABLE 30MT - 7G2,5+3X1 07RN8-F	on request
								CABLE 50MT - 7G2,5+3X1 07RN8-F	on request
								OR FKM (VITON®)	on request

FEKA 6200/ 6300/ 8100/ 8200/ 8300

SEWAGE PUMPS



FEKA 6200



SINGLE CHANNEL IMPELLER

Cast iron submersible pumps with vortex impeller for sewage single channel impeller (6000 vers.) and three vane impeller (8000 vers.), suitable for foul waste water with solid contents with **80-108 mm** as maximum diameter.

Motor body, hydraulic section and any impeller in cast iron EN G.JL 200.

Double mechanical seals in oil chamber: motor side carbon/steel, pump side in silicon carbide/silicon carbide. Oil chamber with water level detector kit.

Dry type asynchronous sealed motor. Rotor mounted on ball bearings to ensure silent running and long life. Thermal and overcurrent protection are installed in the motor windings as standard.

Motor protection rating IP 68

Insulation class F

Continuous duty with completely immersed pump. Supplied as standard with **10 metre H07RN-F** power cable.

Free passage 80-108 mm.

Operating range from 36 to 780 m³/h with head up to 28 mt.

Liquid quality requirements

Non-aggressive sewage, drain water

Free passage 150 mm.

Liquid temperature range From 0° to + 40°.

Maximum immersion depth 20 mt

Installation in vertical position.



FEKA 8000



THREE VANE IMPELLER

PANELS
PAG. 245

ACCESSORIES
PAG. 235

MODEL	CODE	ELECTRICAL DATA						HYDRAULIC DATA																	DNM	FREE PASSAGE mm				
		VOLTAGE 50 HZ	STA.	P1 MAX KW	P2 NOMIN.		In A	Q=m ³ /h																						
					kW	HP		0	24	36	48	60	72	90	108	126	150	180	210	240	270	300	360	420			480	600	780	
FEKA 6200.4T	103019050	3X400 V~	Y/Δ	15,8	14,9	19,9	30	21	20,3	20	19,5	18,8	18,2	17,4	16,2	15,5	14,1	12,8	11,8	10,2	8,4	4,2							150	95
FEKA 6250.4T	103019060	3X400 V~	Y/Δ	24	18,5	24,7	40	25	24,5	24,2	24	23,5	23	22,5	22	21,5	20,5	19,5	18,5	17	16	14	11						150	108
FEKA 6300.4T	103019070	3X400 V~	Y/Δ	23	21	28	45	26	24	23,8	23,4	23	22	21	20,5	19,8	19	18	16,8	16	14,4	12,3	8					150	108	
FEKA 8150. 6T	60141737	3X400 V~	Y/Δ	11,2	8,5	11,3	22	8,53	8,05	7,83	7,6	7,45	7,3	7,15	6,9	6,7	6,45	6	5,6	5,24	4,6	4,2	3,34	2,34	1,56			200	80	
FEKA 8200. 6T	60141738	3X400 V~	Y/Δ	13,4	11,4	15,2	27	11,2	18	10,5	10,3	9,97	9,7	9,5	9,2	8,8	8,46	8	7,4	6,95	6,3	5,6	4,4	3,6	2,67	1,07		200	80	
FEKA 8250. 6T	60141739	3X400 V~	Y/Δ	17	13,5	18	36	14,4	14	13,7	13,5	13,2	13	12,6	12,34	12	11,52	11,1	10,6	10	9,4	8,7	7,3	6,5	5,5	3,3		200	80	
FEKA 8300. 6T	60141740	3X400 V~	Y/Δ	22	19,3	25,7	46	17	16,6	16,2	16	15,6	15	14,7	14,5	14,2	13,8	13,5	13	12,4	12	11,4	10	9	7,6	5	2,6	200	80	