



DAB FXC SUBMERSIBLE PUMP



TECHNICAL DATA

- **Flow rate minimum and maximum:** 78.9 m³/h
- **Head up to:** 20.9 m
- **Immersion dept (maximum):** 20 m
- **Type of pumped liquid:** Waste water, sewage water
- **Free passage:** 50 mm
- **Supported liquid temperature (maximum and minimum):** + 50°C (+ 60°C for a short time)
- **Flanged and threaded:** from 2", DN50, DN65
- **Impeller type:** Channel
- **Start time (maximum) per hour:** 20/h
- **Class of protection:** IP 68
- **Motor insulation class:** F
- **Single phase power input:** 1x 220-240V 50Hz
- **Three phase power input:** 3x 400V 50Hz / 3x 230V 50Hz on request
- **Maximum dry run time:** 10 min
- **Power cable (m) and plug:** 10 m
- **Possible type of installation:** mobile when on the ground, fixed with coupling
- **Certification:** EN 12050 \ ATEX \ IECEX
- **Special versions on request:** different cable lengths, different voltages and frequencies

PRODUCT DESCRIPTION

Feka FXC is a submersible pump for the drainage of sewage in commercial building service. The pump is certified according to the wastewater standard EN 12050-2. Pump suitable for fixed installations with a coupling device or mobile if placed directly on the bottom of the tank. Suitable for waste water without long fibers, rainwater and ground water. The pump is suitable for draining rooms subject to flooding, when high flow rates are required. The pump is designed for quick maintenance thanks to a constructive solution that provides easy access to the main components.

FEATURES OF PUMP

Channel impeller with anti-lock system, 50 mm free passage. Pump body and impeller in cast iron. Motor shaft in AISI 304 stainless steel. Double mechanical seal in SiC-SiC/SiC-C in oil chamber not in contact with the pumped liquid. Delivery port both flanged and threaded.

FEATURES OF MOTOR

Available with single-phase asynchronous motor (MA / MNA versions) and three-phase motor (TNA versions). Rotor mounted on lubricated bearings. Continuous operation in S1 with the motor completely immersed. Dry running for a maximum time of 10 minutes. Over-temperature sensors in the motor windings with intervention threshold at +130°C. Quick-bonded resin-bonded cable gland, 07RN8-F power cable. Single-phase versions with integrated capacitor with power up to 1.5 kW. In the three-phase motors the over-temperature sensor connection is responsibility of the user.

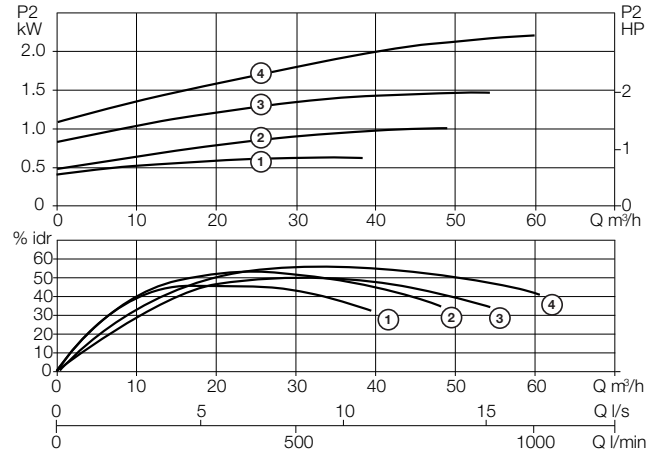
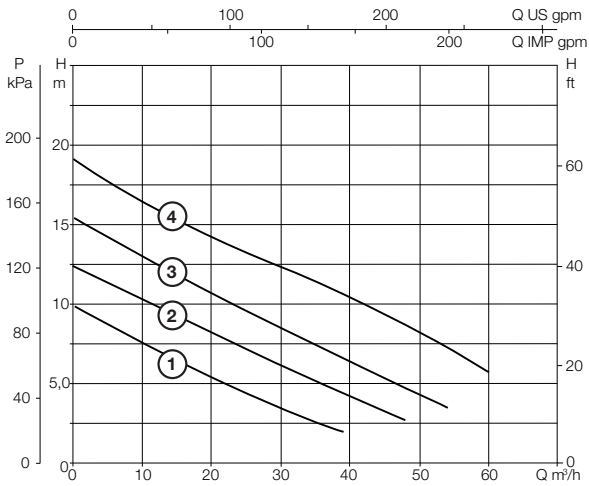
MATERIALS

- **Handle:** Cast Iron EN GJL 200
- **Electric Cable:** 07RN8-F
- **SCREWS:** Stainless Steel AISI 304
- **OR:** NBR
- **MECHANICAL SEAL PUMP SIDE:** SiC-SiC/SiC-C
- **MECHANICAL SEAL MOTOR SIDE:** SiC/CARBON
- **MOTOR SHAFT:** Stainless Steel AISI 304 (P₂>1.5kW) AISI 431 (P₂<1.2kW)
- **PUMP BODY / MOTOR:** Cast Iron GJL 200
- **BEARING INNER FLANGE:** Aluminium Alloy EN AC 46100
- **FLANGE:** Cast Iron GJL 200
- **IMPELLER:** Cast Iron GJL 250
- **BASE:** Cast Iron EN GJL 200
- **COATING:** Cataphoresis and Acrylic two-component 50µm



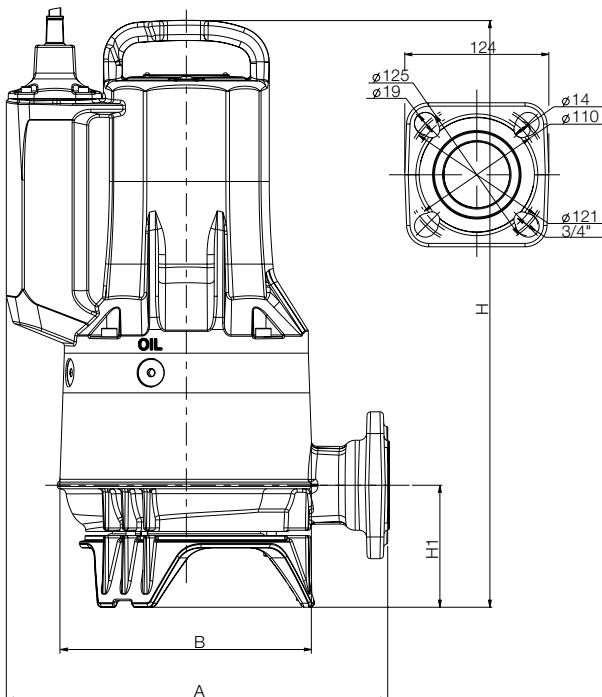
DAB FXC SUBMERSIBLE PUMP

PERFORMANCE CURVES:



Part Number	Item Code	Volts (V)	Amps	kW	HP	Max Head (m)	Max Flow (lpm)	Outlet (BSPF)	Power Cable	
FXC										
1	DAB-FEKAFXC20.07MEX	809448	240	4.1	0.7	1	9.8	600	Rp2" - DN50PN10/6	10m x 07RN8-F
1	DAB-FEKAFXC20.07TEX	809449	415	1.8						
2	DAB-FEKAFXC20.11MEX	809450	240	6.3	1.0	1.3	12.4	720		
2	DAB-FEKAFXC20.11TEX	809451	415	2.6						
3	DAB-FEKAFXC20.15MEX	809452	240	9.1	1.5	2	15.3	840		
3	DAB-FEKAFXC20.15TEX	809453	415	3.5						
4	DAB-FEKAFXC20.22TEX	809454	415	4.9	2.2	2.9	19.1	960		

DIMENSIONS



MODEL	A	B	H	H1	WEIGHT Kg	
DAB-FEKAFXC20.07MEX	322	210	469	103	37	
DAB-FEKAFXC20.07TEX			487			
DAB-FEKAFXC20.11MEX		218	218		496	42
DAB-FEKAFXC20.11TEX					512	43



DAB FX GRINDER PUMP



TECHNICAL DATA

- **Flow rate minimum and maximum:** 23.8 m³/h
- **Head up to:** 33 m
- **Immersion dept (maximum):** 20 m
- **Type of pumped liquid:** loaded waters with filamentary bodies, paper or textile material in the presence of domestic or civil waste
- **Supported liquid temperature (maximum and minimum):** + 50°C (+ 60°C for short period of time)
- **Flanged and threaded:** from 1"½, DN32, DN40
- **Impeller type:** Grinder
- **Start time (maximum) per hour:** 20/h
- **Class of protection:** IP 68
- **Motor insulation class:** F
- **Single phase power input:** 1x 220-240V 50Hz
- **Three phase power input:** 3x 400V 50Hz / 3x 230V 50Hz on request
- **Maximum dry run time:** 10 min
- **Power cable (m) and plug:** 10 m
- **Possible type of installation:** mobile on the ground or fixed on a coupling device
- **Certification:** EN 12050 \ ATEX \ IECEx
- **Special versions on request:** different cable lengths, different voltages and frequencies

PRODUCT DESCRIPTION

Grinder FX is a submersible pump with shredder designed for the drainage of waste water coming from drains in civil and commercial environments. The pump is certified according to the wastewater standard EN 12050-1. Pump suitable for fixed installations with a coupling device or mobile if placed on a base directly on the bottom of the tank. Thanks to the high-strength grinder, the pump is suitable for installations with small-diameter pipes or those requiring high pressures. The pump is designed for quick maintenance thanks to a constructive solution that provides easy access to the main components of the pump. Automatic versions with power up to 1.5 kW. ATEX version available for use in potentially explosive environments. (ATEX certifications: II2G Ex db k IIB T4 or IEC EX: Ex db IIB T4 Gb).

FEATURES OF PUMP

Pump body and impeller in cast iron, shredder in AISI 630. Motor shaft in AISI 304 stainless steel. Double mechanical seal in SiC-SiC/SiC-C in oil chamber not in contact with the pumped liquid, independent of the direction of rotation. Delivery port both flanged and threaded.

FEATURES OF MOTOR

Single-phase asynchronous motor (MA / MNA versions) and three-phase version motor (TNA versions). The rotor is mounted on lubricated bearings. Continuous operation in S1 with the motor completely immersed. Dry running for a maximum time of 10 minutes. Over-temperature sensors in the motor windings with intervention threshold at +130°C. Quick-bonded resin-bonded cable gland, 07RN8-F power cable. Single-phase versions with starter and capacitor in a separate panel. In the three-phase motors the over-temperature sensor connection is responsibility of the user.

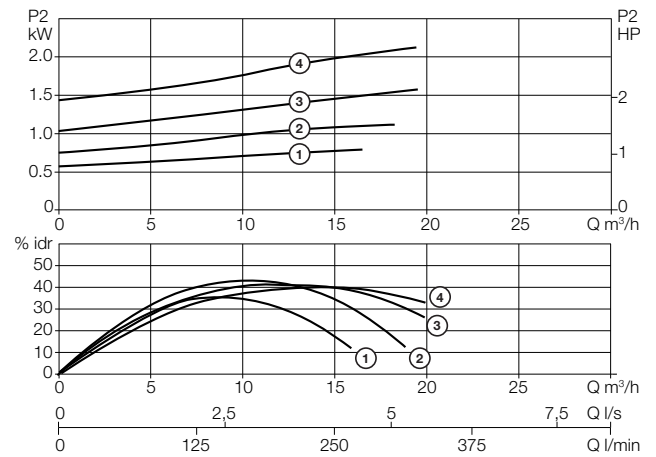
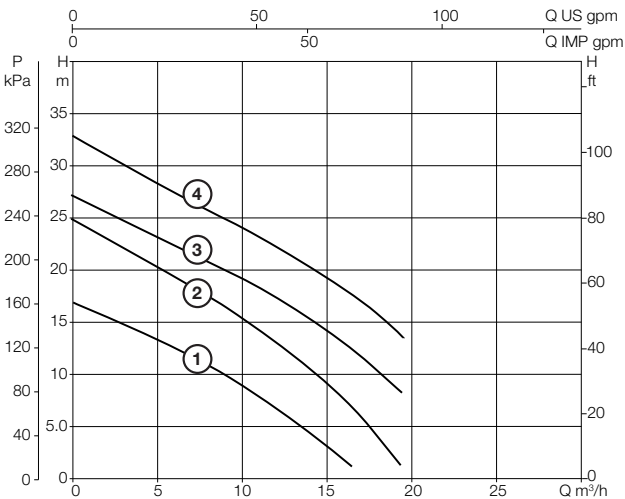
MATERIALS

- **Handle:** Cast Iron EN GJL 200
- **Electric Cable:** 07RN8-F
- **SCREWS:** Stainless Steel AISI 304
- **OR:** NBR
- **MECHANICAL SEAL PUMP SIDE:** SiC-SiC/SiC-C
- **MECHANICAL SEAL MOTOR SIDE:** SiC/CARBON
- **MOTOR SHAFT:** Stainless Steel AISI 304 (P2>1.5kW) AISI 431 (P2<1.2kW)
- **PUMP BODY / MOTOR:** Cast Iron GJL 200
- **BEARING INNER FLANGE:** Aluminium Alloy EN AC 46100
- **FLANGE:** Cast Iron GJL 200
- **IMPELLER:** Cast Iron GJL 250
- **BASE:** Cast Iron EN GJL 200
- **COATING:** Cathaphoresis and Acrylic two-component 50µm



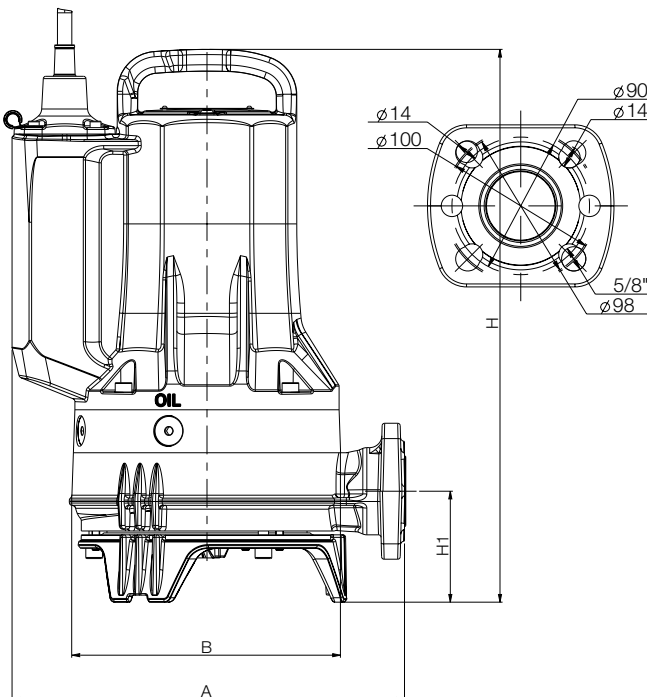
DAB FX GRINDER PUMP

PERFORMANCE CURVES:



Part Number	Item Code	Volts (V)	Amps	kW	HP	Max Head (m)	Max Flow (lpm)	Outlet (BSPF)	Power Cable	
GRINDER FX										
1	DAB-GRINDER15.07MEX	809455	240	5.3	0.8	1.1	16.9	240	Rp1-1/2" - DN32PN10/6, DN40PN6	
1	DAB-GRINDER15.07MEX	809456	415	2.0						
2	DAB-GRINDER15.11MEX	809457	240	6.8	1.1	1.5	24.9			
2	DAB-GRINDER15.11TEX	809458	415	2.8						
3	DAB-GRINDER15.15MEX	809459	240	9.8	1.6	2.2	27.3			
3	DAB-GRINDER15.15TEX	809460	415	3.8						
4	DAB-GRINDER15.22TEX	809461	415	4.7	2.1	2.8	32.8	320		10m x 07RN8-F

DIMENSIONS



MODEL	A	B	H	H1	WEIGHT Kg
DAB-GRINDER15.07MEX	306	215	404	87	35
DAB-GRINDER15.07MEX					
DAB-GRINDER15.11MEX					
DAB-GRINDER15.11TEX					
DAB-GRINDER15.15MEX	306	215	430	87	38
DAB-GRINDER15.15TEX					
DAB-GRINDER15.22TEX	306	215	448	87	39