DAB
WATER•TECHNOLOGY

FX

SUBMERSIBLE PUMPS

FEKA FX V

SUBMERSIBLE PUMPS

TECHNICAL DATA

Pumped liquid: untreated wastew
Free passage:
FX V 20: 50 mm;
FX V 25: 65 mm
Liquid temperature:
+50°C (+60°C for short periods);
+40°C for ATEX version
Outlet:
FX V 20: threaded 2", flanged DN 50;
FX V 25: flanged DN 65l
Delivery direction:
horizontal and vertical with elbow kit accessory
Impeller: cast iron vortex
Maximum immersion depth: 7 m
Possible installations type: portable on the ground, fixed on coupling device

Feka FX V is a submersible pump for draining sewage water in commercial building service. It is certified for the European Union standard EN 12050-1 which applies to sewage lifting containing faecal material in buildings and construction sites. Pump suitable for fixed installations with a coupling device or mobile if placed directly on the bottom of the tank. High-performance super vortex impeller with solid handling up to 50 mm or 60 mm. The pump is suitable for liquid with solids and long fibers in suspension. The reduced overall dimensions and the outlet ports both flanged and threaded make it ideal for replacements. 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).

CONSTRUCTION FEATURES OF THE PUMP

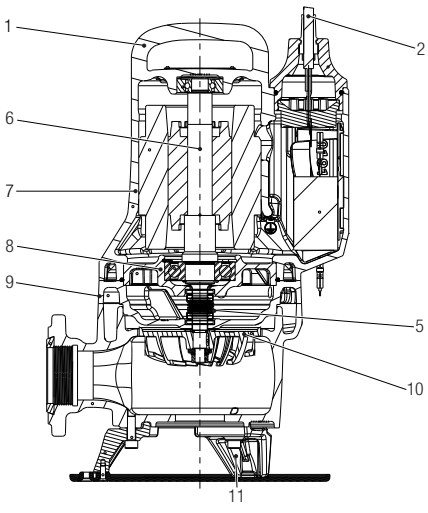
Pump body and impeller in cast iron. Motor shaft in AISI 304 stainless steel. Double mechanical seal in SiC-SiC/SiC-C in oil chamber not in contact with the pumped liquid, independent of the direction of rotation. Delivery port both flanged and threaded.

CONSTRUCTION FEATURES OF THE MOTOR

Available in 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, available with float for automatic operation (MA) with powers up to 1,5 kW. In the three-phase motors the over-temperature sensor connection is responsibility of the user.

MATERIALS

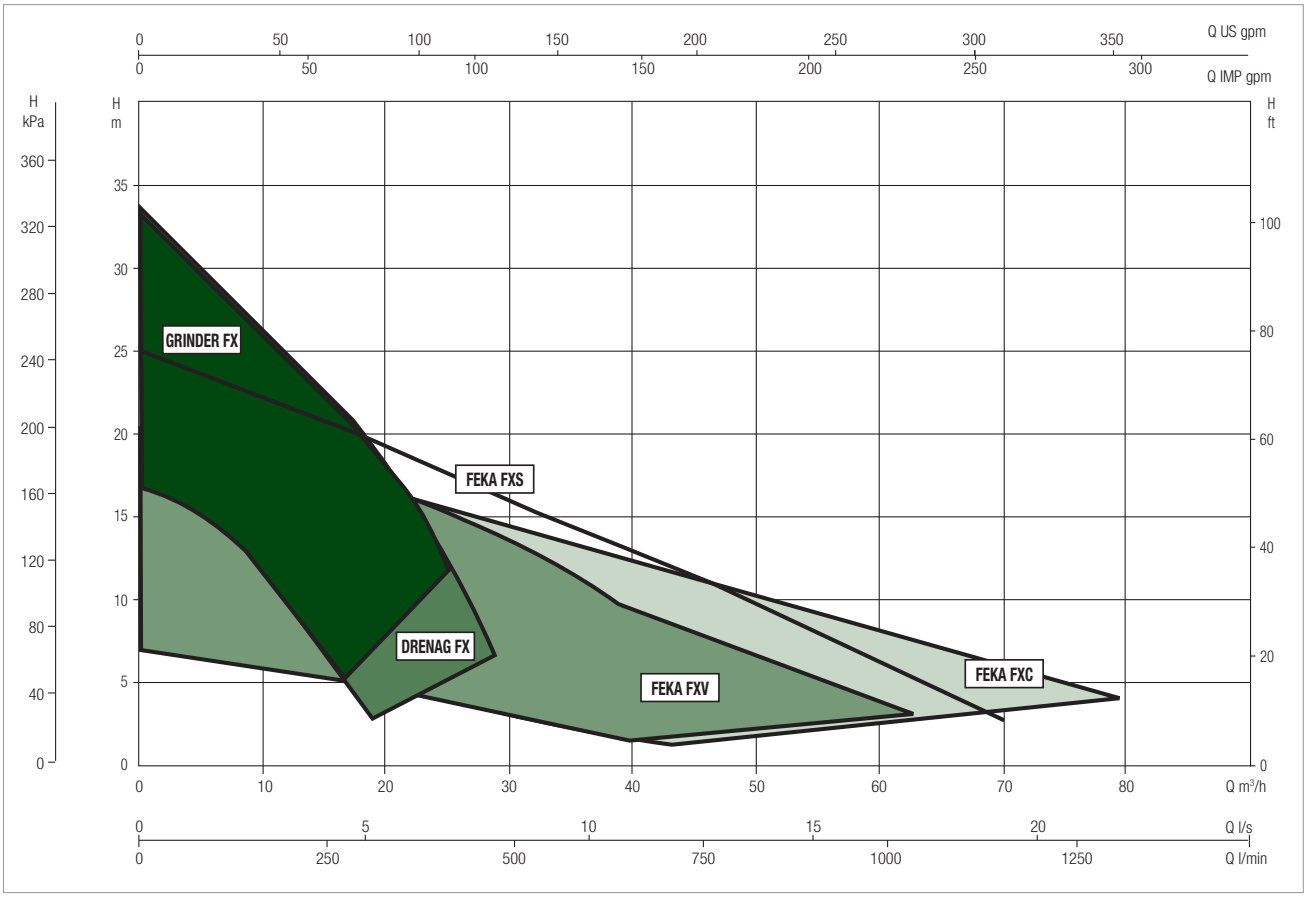
No.	PARTS	MATERIALS
1	HANDLE	CAST IRON EN GJL 200
2	ELECTRIC CABLE	07RN8-F
3	SCREWS	STAINLESS STEEL AISI 304
4	OR	NBR
5	MECHANICAL SEAL PUMP SIDE	SiC-SiC/SiC-C
	MECHANICAL SEAL MOTOR SIDE	SiC/CARBON
6	MOTOR SHAFT	STAINLESS STEEL AISI 304 (P2>1.5kW and 4 poles) AISI 431 (P2<1.2kW)
7	PUMP BODY / MOTOR	CAST IRON EN GJL 200
8	BEARING INNER FLANGE	ALUMINIUM ALLOY EN AC 46100
9	FLANGE	CAST IRON EN GJL 200
10	IMPELLER	CAST IRON EN GJL 250
11	BASE	CAST IRON EN GJL 200
13	COATING	CATAPHORESIS and ACRYLIC TWO-COMPONENT 50µm



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 ISO9906.

GRAPHIC SELECTION TABLE

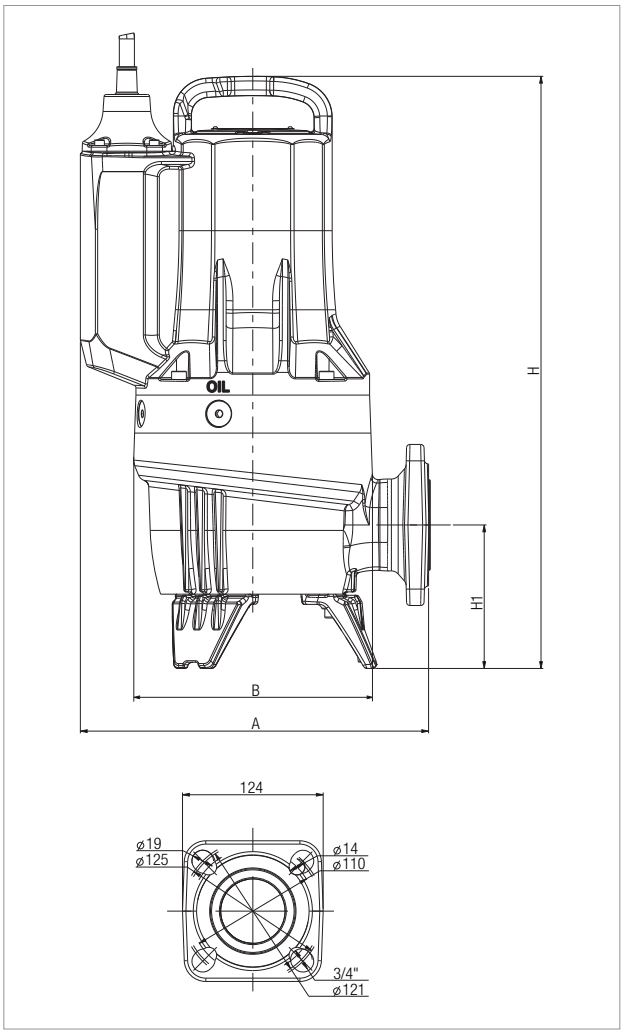


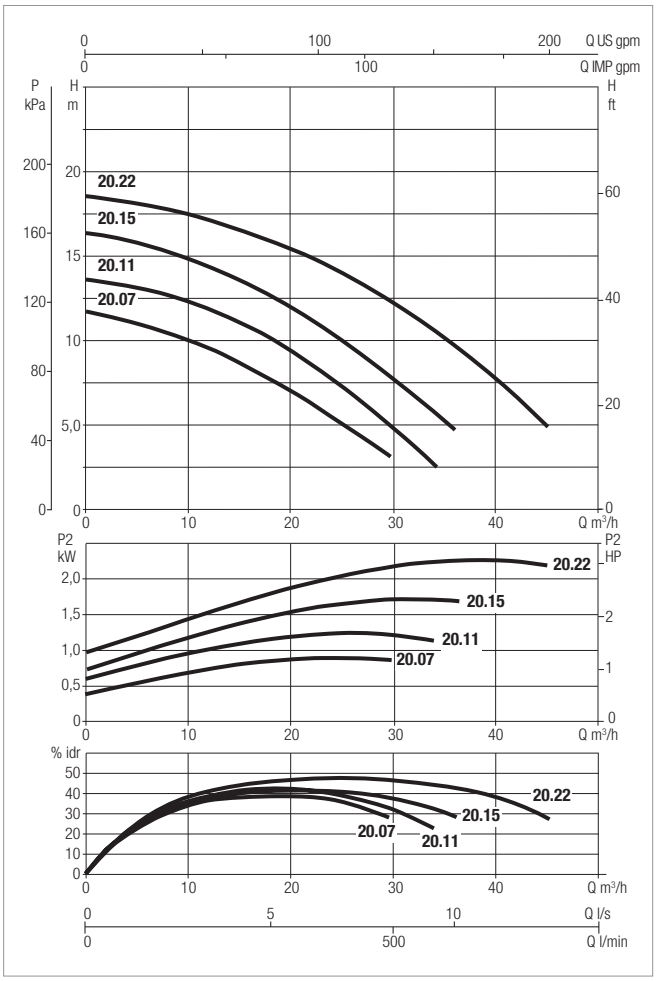
SELECTION TABLE FEKA FX V 20 - 25

MODEL	Q=m³/h	0	6	12	18	24	30	36	42	48	54	68
	Q=l/min	0	100	200	300	400	500	600	700	800	900	1133
FEKA FXV 20.07	H (m)	11,7	10,9	9,6	7,7	5,4	2,9					
FEKA FXV 20.11		13,1	12,9	11,9	10,1	7,7	4,8					
FEKA FXV 20.15		16,2	15,6	14,4	12,6	10,4	7,7	4,7				
FEKA FXV 20.22		18,5	18,0	17,1	15,9	14,3	12,2	9,7	6,6			
FEKA FXV 25.15		13,7	13,4	12,4	11,0	9,2	7,4	5,5	3,9	2,5		
FEKA FXV 25.22		16,5	16,3	15,6	14,5	13,0	11,3	9,4	7,5	5,6	3,8	
FEKA FXV 25.30		20	19,7	19,3	18,4	17	15	13	11	9	7,3	3

FEKA FX V 20 - SUBMERSIBLE PUMPS

Pumped liquid temperature range: from 0°to +50°C. For higher temperatures contact our sales network.





The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO9906.

MODEL	ELECTRICAL DATA							
	POWER INPUT 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Is A	CAPACITOR µF	RATED SPEED rpm/min
			Kw	HP				
FEKA FXV 20.07 MA	1x230V	1,4	0,9	1,2	6,4	29	25	2870
FEKA FXV 20.07 MNA*	1x230V	1,4	0,9	1,2	6,4	29	25	2870
FEKA FXV 20.07 TNA*	3x400V	1,4	0,9	1,2	2,4	22	-	2870
FEKA FXV 20.11 MA	1x230V	1,7	1,2	1,6	8	29	25	2870
FEKA FXV 20.11 MNA*	1x230V	1,7	1,2	1,6	8	29	25	2870
FEKA FXV 20.11 TNA*	3x400V	1,6	1,2	1,6	2,9	19	-	2870
FEKA FXV 20.15 MA	1x230V	2,3	1,7	2,3	10,5	36	40	2870
FEKA FXV 20.15 MNA*	1x230V	2,3	1,7	2,3	10,5	36	40	2870
FEKA FXV 20.15 TNA*	3x400V	2,2	1,7	2,3	4	25	-	2870
FEKA FXV 20.22 TNA*	3x400V	2,9	2,2	2,9	5	35	-	2870

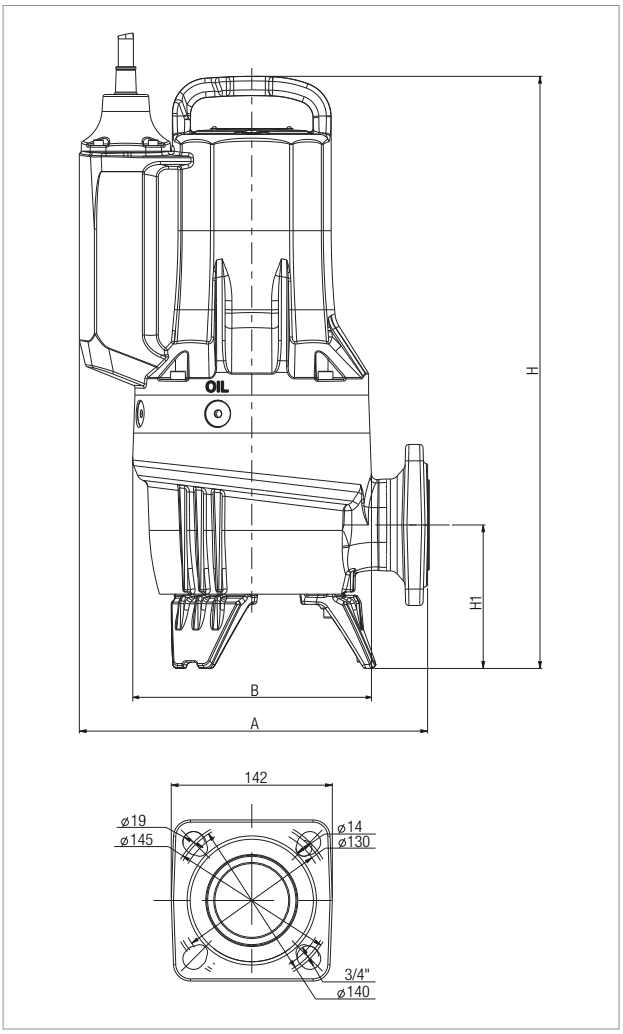
*Available in Atex version

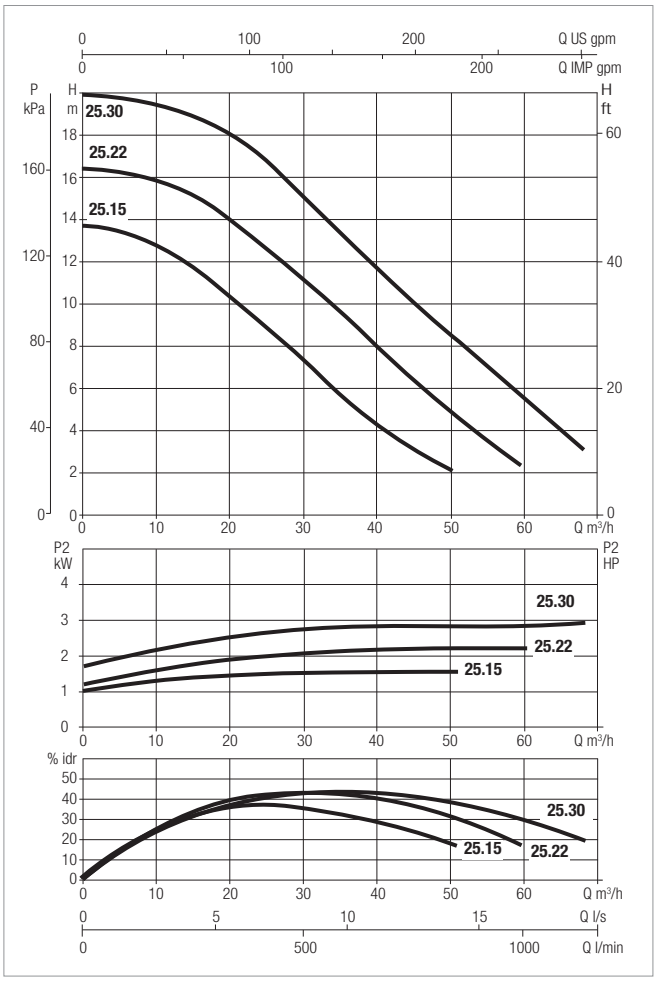
MODEL	FREE PASSAGE (mm)	A	B	H		H1	DELIVERY				PACKING DIMENSIONS			WEIGHT kg
					Ex		GAS	DN1	HOLES	D	L/A	L/B	H	
FEKA FXV 20.07*	50	307	211	464	464	104	Rp 2"	50 PN10/6	4	125-110	660	370	400	35
FEKA FXV 20.11*	50	307	211	464	482	104	Rp 2"	50 PN10/6	4	125-110	660	370	400	35
FEKA FXV 20.15 MA	50	307	211	464	-	104	Rp 2"	50 PN10/6	4	125-110	660	370	400	39
FEKA FXV 20.15 MNA-TNA*	50	307	211	474	492	104	Rp 2"	50 PN10/6	4	125-110	660	370	400	39
FEKA FXV 20.22*	50	307	211	492	508	104	Rp 2"	50 PN10/6	4	125-110	660	370	400	40

*Available in Atex version

FEKA FX V 25 - SUBMERSIBLE PUMPS

Pumped liquid temperature range: from 0°to +50°C. For higher temperatures contact our sales network.





The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO9906.

MODEL	ELECTRICAL DATA							
	POWER INPUT 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Is A	CAPACITOR µF	RATED SPEED rpm/min
			Kw	HP				
FEKA FXV 25.15 MA	1x230V	2,3	1,7	2,3	10,6	36	40	2870
FEKA FXV 25.15 MNA*	1x230V	2,3	1,7	2,3	10,6	36	40	2870
FEKA FXV 25.15 TNA*	3x400V	2,2	1,7	2,3	4	25	-	2870
FEKA FXV 25.22 TNA*	3x400V	2,8	2,2	2,9	4,9	35	-	2870
FEKA FXV 25.30 TNA	3x400V	3,4	3	4	6,8	47,6	-	2870

*Available in Atex version

MODEL	FREE PASSAGE (mm)	A	B	H		H1	DELIVERY				PACKING DIMENSIONS			WEIGHT kg
					Ex		GAS	DN1	HOLES	D	L/A	L/B	H	
FEKA FXV 25.15*	65	307	211	522	539	127	-	65 PN10/6	4	145-130	660	370	400	43
FEKA FXV 25.22*	65	307	211	522	539	127	-	65 PN10/6	4	145-130	660	370	400	41
FEKA FXV 25.30	65	307	211	570	539	127	-	65 PN10/6	4	145-130	660	370	400	48,6

*Available in Atex version

FEKA FX C

SUBMERSIBLE PUMPS

TECHNICAL DATA

Pumped liquid: clear and rainwater, gray water and sandy water from construction sites
Free passage: 50 mm
Liquid temperature:
+50°C (+60°C for short periods);
+40°C for ATEX version
Outlet:
FX C 20 threaded 2", flanged DN 50;
FX C 25 flanged DN 65
Delivery direction: horizontal or vertical with elbow kit accessory
Impeller: channels in cast iron
Maximum immersion: 7 m
Possible type of installation: portable on the ground, fixed on coupling device

Feka FX C 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. 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).

CONSTRUCTION FEATURES OF THE PUMP

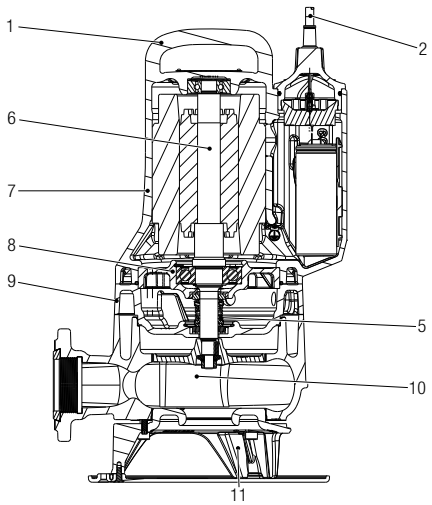
Channel impeller with anti-lock system, 50 mm free passage. Pump body and impeller in cast iron. Motor shaft in AISI 304 stainless steel. Double mechanical seal in SiC-SiC/SiC-C in oil chamber not in contact with the pumped liquid. Delivery port both flanged and threaded.

CONSTRUCTION FEATURES OF THE 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, available with float for automatic operation (MA version) with power up to 1,5 kW. In the three-phase motors the over-temperature sensor connection is responsibility of the user.

MATERIALS

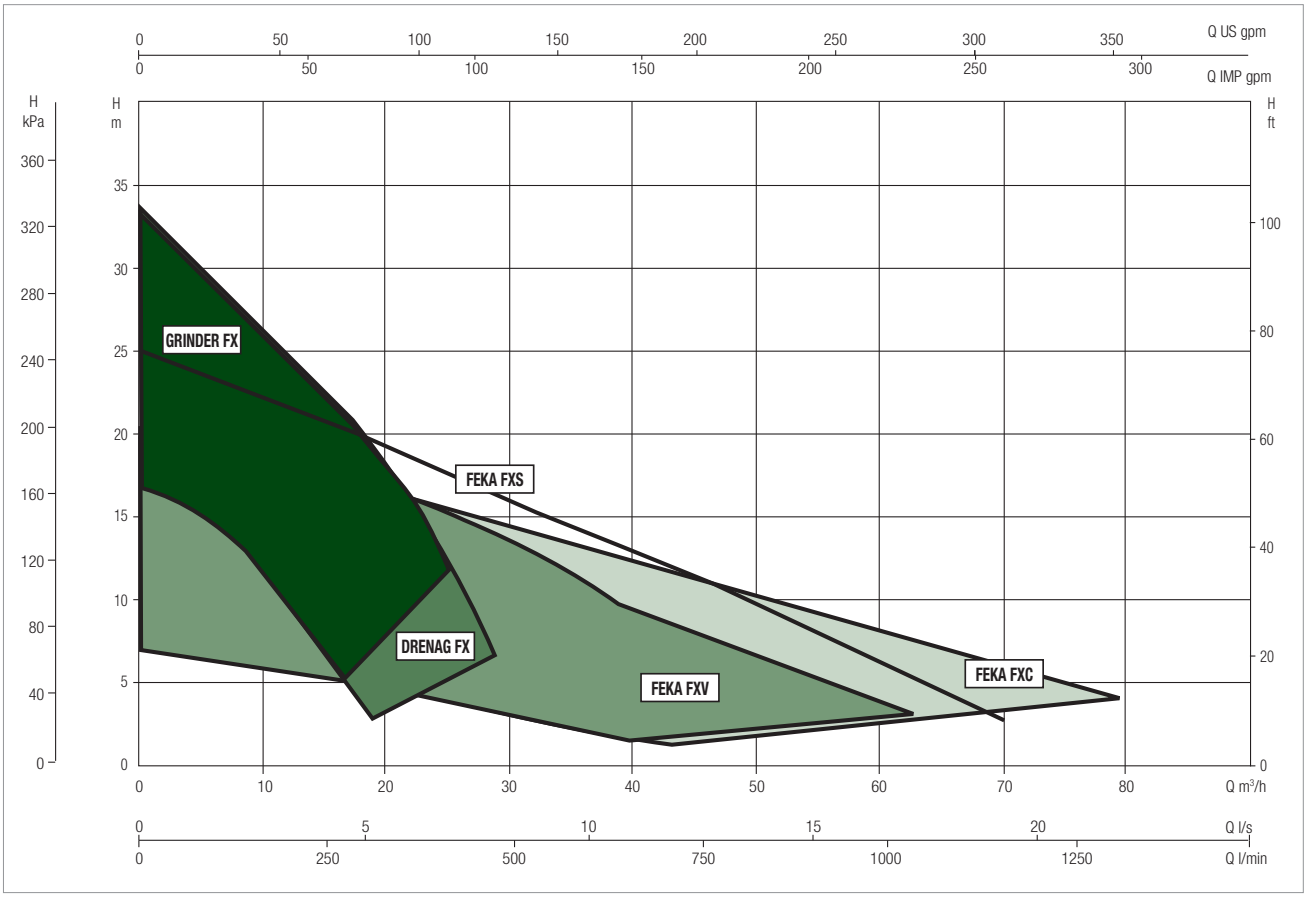
No.	PARTS	MATERIALS
1	HANDLE	CAST IRON EN GJL 200
2	ELECTRIC CABLE	07RN8-F
3	SCREWS	STAINLESS STEEL AISI 304
4	OR	NBR
5	MECHANICAL SEAL PUMP SIDE	SiC-SiC/SiC-C
	MECHANICAL SEAL MOTOR SIDE	SiC/CARBON
6	MOTOR SHAFT	STAINLESS STEEL AISI 304 (P2>1.5kW) AISI 431 (P2<1.2kW)
7	PUMP BODY / MOTOR	CAST IRON GJL 200
8	BEARING INNER FLANGE	ALUMINIUM ALLOY EN AC 46100
9	FLANGE	CAST IRON GJL 200
10	IMPELLER	CAST IRON GJL 250
11	BASE	CAST IRON EN GJL 200
13	COATING	CATAPHORESIS and ACRYLIC TWO-COMPONENT 50µm



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 ISO9906.

GRAPHIC SELECTION TABLE

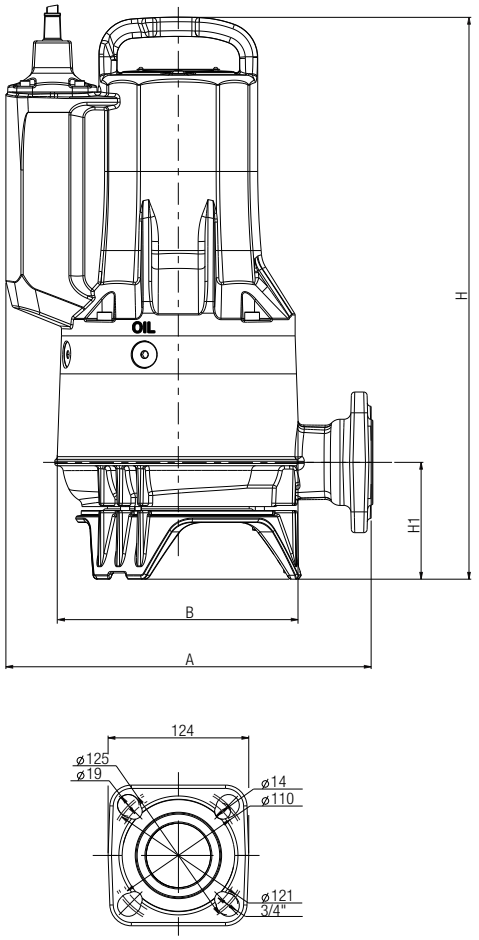


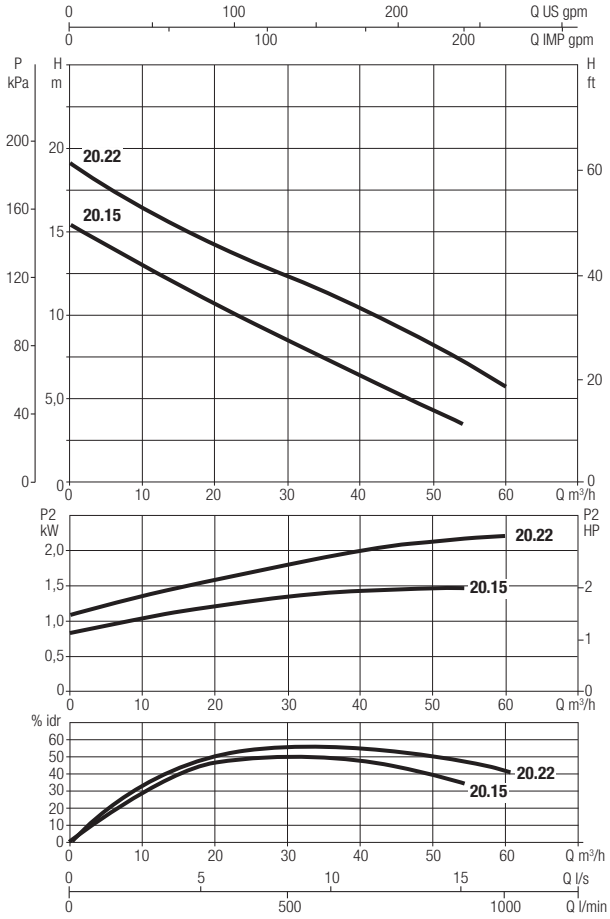
SELECTION TABLE FEKA FX C 20 - 25

MODEL	Q=m³/h	0	7	14	22	29	36	43	50	58	65
	Q=l/min	0	120	240	360	480	600	720	840	960	1080
FEKA FXC 20.15	H (m)	15,3	13,5	11,8	10,2	8,7	7,1	5,7	4,2		
FEKA FXC 20.22		19,1	17,2	15,5	14,0	12,6	11,2	9,8	8,1	6,2	
FEKA FXC 25.15		15,1	13,5	11,8	10,3	8,8	7,3	5,8	4,5	3,1	
FEKA FXC 25.22		18,9	16,9	15,2	13,8	12,4	11,1	9,8	8,4	6,9	5,1

FEKA FX C 20 - SUBMERSIBLE PUMPS

Pumped liquid temperature range: from 0°to +50°C. For higher temperatures contact our sales network.





The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO9906.

MODEL	ELECTRICAL DATA							
	POWER INPUT 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Is A	CAPACITOR µF	RATED SPEED rpm/min
			Kw	HP				
FEKA FXC 20.15 MA	1x230V	2	1,5	2,0	9,1	36	40	2870
FEKA FXC 20.15 MNA*	1x230V	2	1,5	2,0	9,1	36	40	2870
FEKA FXC 20.15 TNA*	3x400V	1,8	1,5	2,0	3,5	25	-	2870
FEKA FXC 20.22 TNA*	3x400V	2,8	2,2	2,9	4,9	35	-	2870

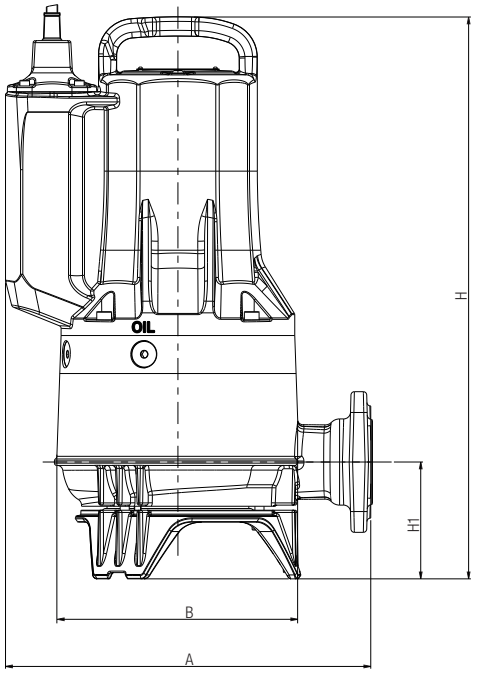
*Available in Atex version

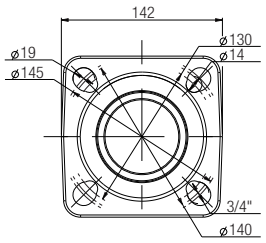
MODEL	FREE PASSAGE (mm)	A	B	H		H1	DELIVERY				PACKING DIMENSIONS			WEIGHT kg
					Ex		GAS	DN1	HOLES	D	L/A	L/B	H	
FEKA FXC 20.15*	50	322	218	468	496	103	Rp 2"	50 PN10/6	4	125-110	660	370	400	42
FEKA FXC 20.22 *	50	322	218	496	512	103	Rp 2"	50 PN10/6	4	125-110	660	370	400	43

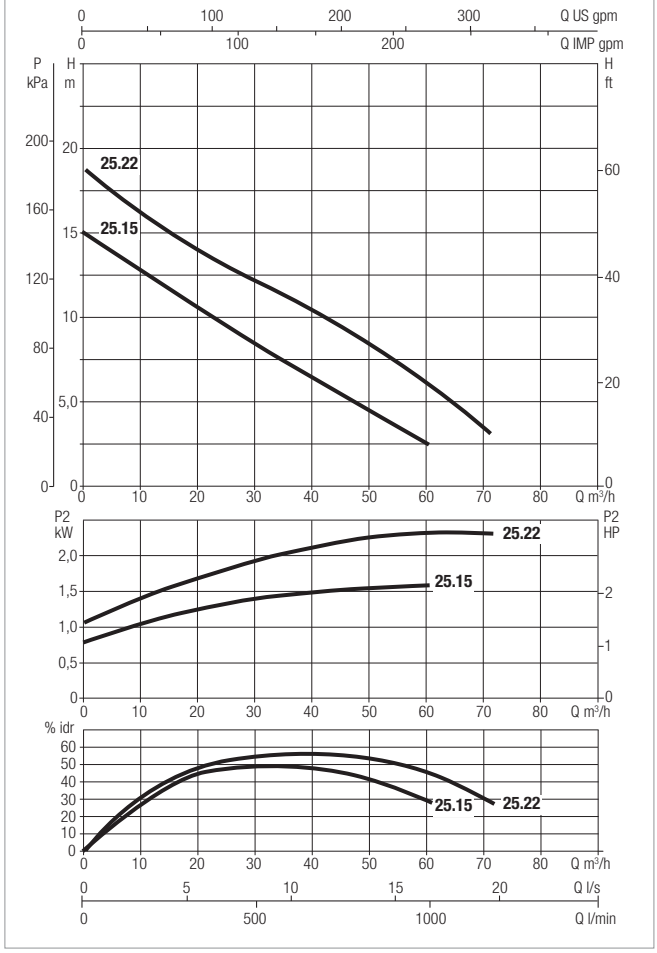
*Available in Atex version

FEKA FX C 25 - SUBMERSIBLE PUMPS

Pumped liquid temperature range: from 0°to +50°C. For higher temperatures contact our sales network.







The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO9906.

MODEL	ELECTRICAL DATA							
	POWER INPUT 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Is A	CAPACITOR µF	RATED SPEED rpm/min
			Kw	HP				
FEKA FXC 25.15 MA	1x230V	2	1,6	2,1	9,3	36	40	2870
FEKA FXC 25.15 MNA*	1x230V	2	1,6	2,1	9,3	36	40	2870
FEKA FXC 25.15 TNA*	3x400V	1,9	1,6	2,1	3,6	25	-	2870
FEKA FXC 25.22 TNA*	3x400V	2,9	2,3	3,1	5	35	-	2870

*Available in Atex version

MODEL	FREE PASSAGE (mm)	A	B	H		H1	DELIVERY				PACKING DIMENSIONS			WEIGHT kg
					Ex		GAS	DN1	HOLES	D	L/A	L/B	H	
FEKA FXC 25.15*	50	322	218	478	496	103	-	65 PN10/6	4	145-130	660	370	400	43
FEKA FXC 25.22 *	50	322	218	496	512	103	-	65 PN10/6	4	145-130	660	370	400	44

*Available in Atex version

TECHNICAL DATA

Pumped liquid: untreated wastewater
Liquid temperature:
+50°C (+60°C for short periods);
+40°C for ATEX version
Outlet:
Threaded 1 1/2" GAS
Flanged DN 32 and DN 40
Delivery direction: horizontal or vertical with elbow kit accessory
Impeller: open in cast iron with shredder
Maximum immersion: 7 m
Possible type of installation: portable on the ground, fixed on coupling device

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).

CONSTRUCTION FEATURES OF THE PUMP

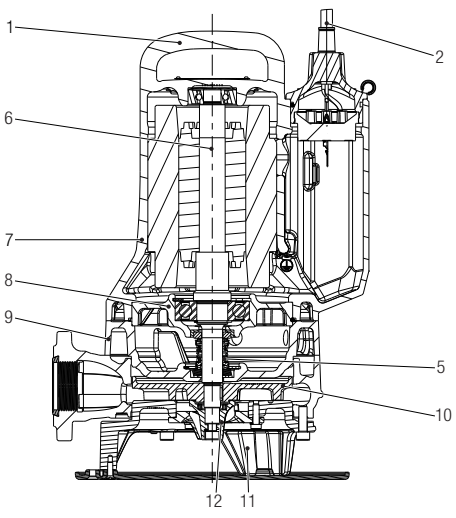
Pump body and impeller in cast iron, shredder in AISI 630. Motor shaft in AISI 304 stainless steel. Double mechanical seal in SiC-SiC/SiC-C in oil chamber not in contact with the pumped liquid, independent of the direction of rotation. Delivery port both flanged and threaded.

CONSTRUCTION FEATURES OF THE 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, MA versions with float for automatic operation. In the three-phase motors the over-temperature sensor connection is responsibility of the user.

MATERIALS

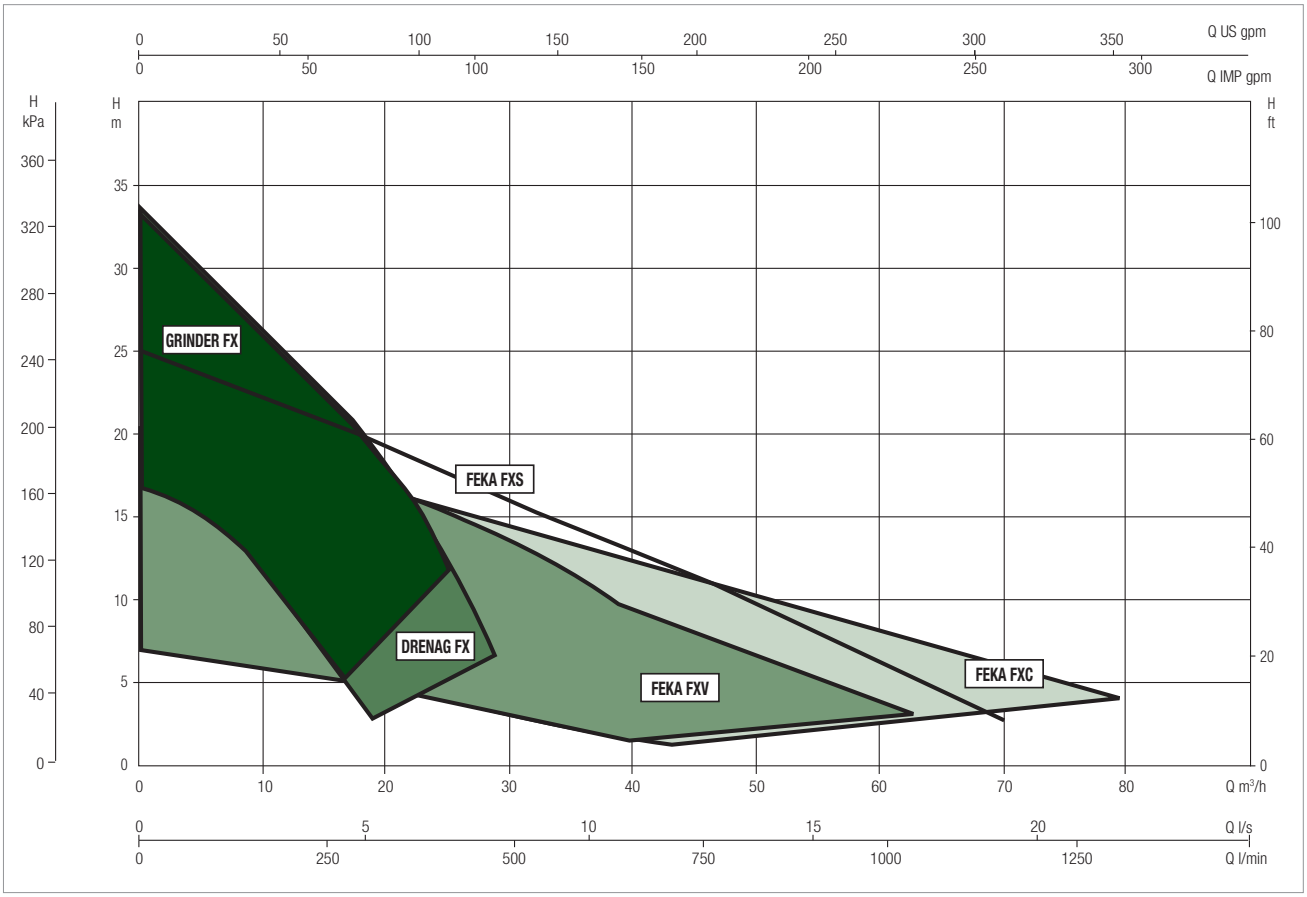
No.	PARTS	MATERIALS
1	HANDLE	CAST IRON EN GJL 200
2	ELECTRIC CABLE	07RN8-F
3	SCREWS	STAINLESS STEEL AISI 304
4	OR	NBR
5	MECHANICAL SEAL PUMP SIDE	SiC-SiC/SiC-C
	MECHANICAL SEAL MOTOR SIDE	SiC/CARBON
6	MOTOR SHAFT	STAINLESS STEEL AISI 304 (P2>1.5kW) AISI 431 (P2<1.2kW)
7	PUMP BODY / MOTOR	CAST IRON EN GJL 200
8	BEARING INNER FLANGE	ALUMINIUM ALLOY EN AC 46100
9	FLANGE	CAST IRON EN GJL 200
10	IMPELLER	CAST IRON EN GJL 250
11	BASE	CAST IRON EN GJL 200
12	CUTTER / CUTTER BASE	STAINLESS STEE EN1.4542 / AISI 630
13	COATING	CATAPHORESIS and ACRYLIC TWO-COMPONENT 50µm



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 ISO9906.

GRAPHIC SELECTION TABLE

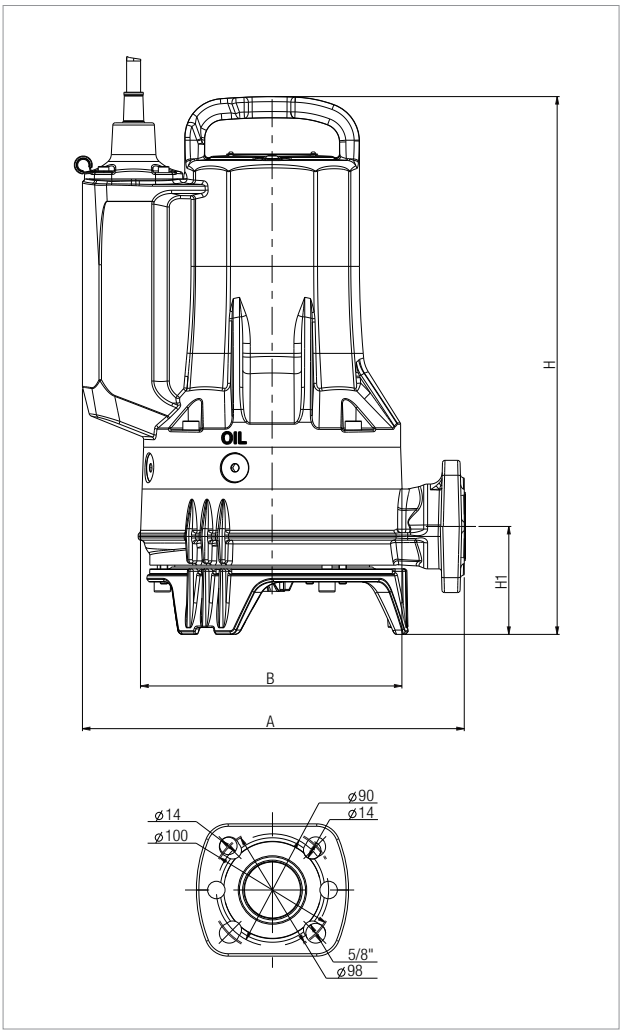


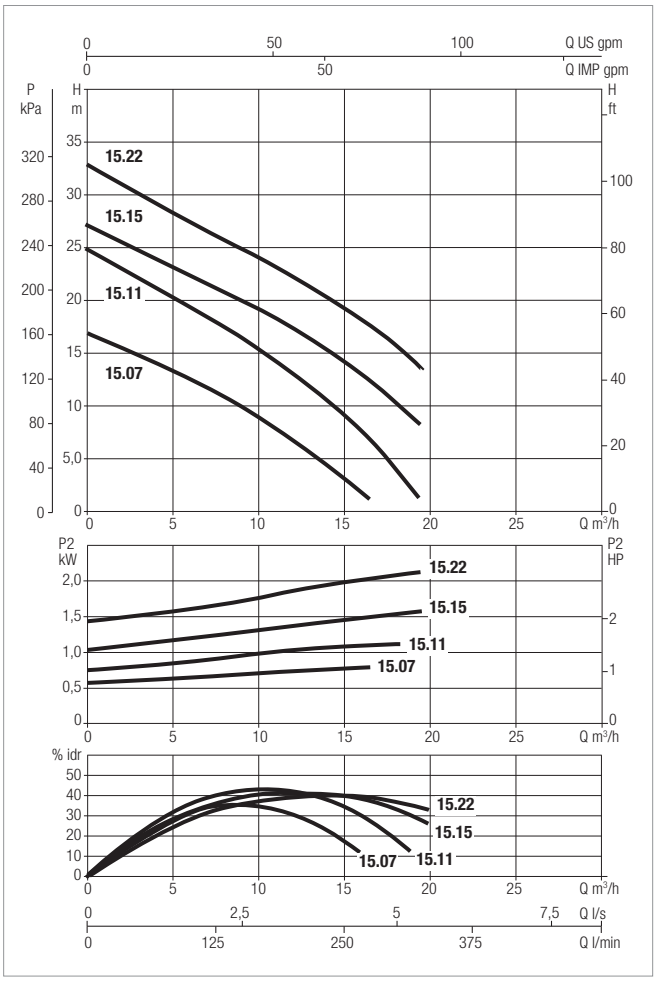
SELECTION TABLE GRINDER FX 15

MODEL	Q=m³/h	0	2,4	4,8	7,2	9,6	12	14,4	16,8	19,2
	Q=l/min	0	40	80	120	160	200	240	280	320
GRINDER FX 15.07	H (m)	16,9	15,2	13,4	11,4	9,2	6,7	3,9		
GRINDER FX 15.11		24,9	22,6	20,5	18,3	15,9	13,2	10,1	6,3	1,8
GRINDER FX 15.15		27,3	25,2	23,3	21,4	19,5	17,3	14,8	11,9	8,5
GRINDER FX 15.22		32,8	30,5	28,5	26,5	24,4	22,3	19,9	17,2	14,0

GRINDER FX 15 - SUBMERSIBLE PUMPS

Pumped liquid temperature range: from 0°to +50°C. For higher temperatures contact our sales network.





The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO9906.

MODEL	ELECTRICAL DATA							
	POWER INPUT 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Is A	CAPACITOR µF	RATED SPEED rpm/min
			Kw	HP				
GRINDER FX 15.07 MA	1x230V	1,1	0,8	1,1	5,3	29	25+200	2870
GRINDER FX 15.07 MNA*	1x230V	1,1	0,8	1,1	5,3	29	25+200	2870
GRINDER FX 15.07 TNA*	3x400V	1	0,8	1,1	2	22	-	2870
GRINDER FX 15.11 MA	1x230V	1,5	1,1	1,5	6,8	29	25+200	2870
GRINDER FX 15.11 MNA*	1x230V	1,5	1,1	1,5	6,8	29	25+200	2870
GRINDER FX 15.11 TNA*	3x400V	1,5	1,1	1,5	2,8	19	-	2870
GRINDER FX 15.15 MA	1x230V	2,2	1,6	2,1	9,8	36	40+100-130 µF	2870
GRINDER FX 15.15 MNA*	1x230V	2,2	1,6	2,1	9,8	36	40+100-130 µF	2870
GRINDER FX 15.15 TNA*	3x400V	2,1	1,6	2,1	3,8	25	-	2870
GRINDER FX 15.22 TNA*	3x400V	2,6	2,1	2,8	4,7	35	-	2870

*Available in Atex version

MODEL	FREE PASSAGE (mm)	A	B	H		H1	DELIVERY				PACKING DIMENSIONS			WEIGHT kg
					Ex		GAS	DN1	HOLES	D	L/A	L/B	H	
GRINDER FX 15.07*	-	306	215	404	404	87	Rp 1"1/2	DN32 PN10 / 6 DN40 PN6	4 2	100-90 90	660	370	400	35
GRINDER FX 15.11*	-	306	215	404	421	87	Rp 1"1/2	DN32 PN10 / 6 DN40 PN6	4 2	100-90 90	660	370	400	35
GRINDER FX 15.15*	-	306	215	413	430	87	Rp 1"1/2	DN32 PN10 / 6 DN40 PN6	4 2	100-90 90	660	370	400	38
GRINDER FX 15.22*	-	306	215	430	448	87	Rp 1"1/2	DN32 PN10 / 6 DN40 PN6	4 2	100-90 90	660	370	400	39

*Available in Atex version

TECHNICAL DATA

Pumped liquid: clear and rainwater, gray water and sandy water from construction sites
Free passage: 10 mm
Liquid temperature:
+50°C (+60°C for short periods);
+40°C for ATEX version
Outlet:
Threaded 1 1/2" GAS
Flanged DN 32 and DN 40
Delivery direction: Horizontal and vertical with 1 1/2" elbow kit accessory
Impeller: open in cast iron
Maximum immersion: 7 m
Possible type of installation: portable on the ground, fixed on coupling device

Drenag FX is a submersible pump for the drainage water, groundwater or rainwater in commercial building service; The pump is suitable for applications with high prevalence. The pump is certified according to the wastewater standard EN 12050-2. Suitable for fixed installations with a coupling device or mobile if placed directly on the bottom of the tank. It 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).

CONSTRUCTION FEATURES OF THE PUMP

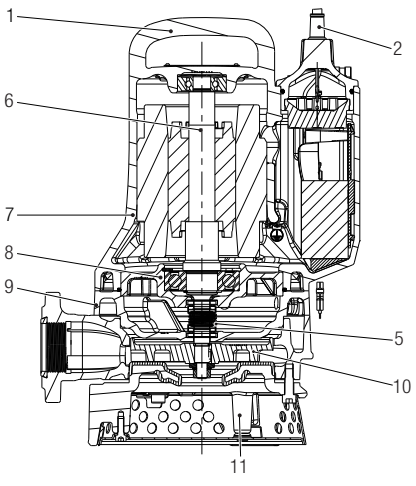
Open impeller and wear-resistant rubber disc for the use even in the presence of abrasive particles. Pump body and impeller in spheroidal cast iron. Motor shaft in AISI 304 stainless steel. Double mechanical seal in SiC-SiC/SiC-C in oil chamber not in contact with the pumped liquid. Delivery port both flanged and threaded.

CONSTRUCTION FEATURES OF THE MOTOR

Single-phase asynchronous motor (MA / MNA versions) and three-phase (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. Cable glande with resin, 07RN8-F power cable with quick connection. Single-phase versions with integrated capacitor, available with float for automatic operation (MA version) with power up to 1,5 kW. In the three-phase motors the over-temperature sensor connection is responsibility of the user.

MATERIALS

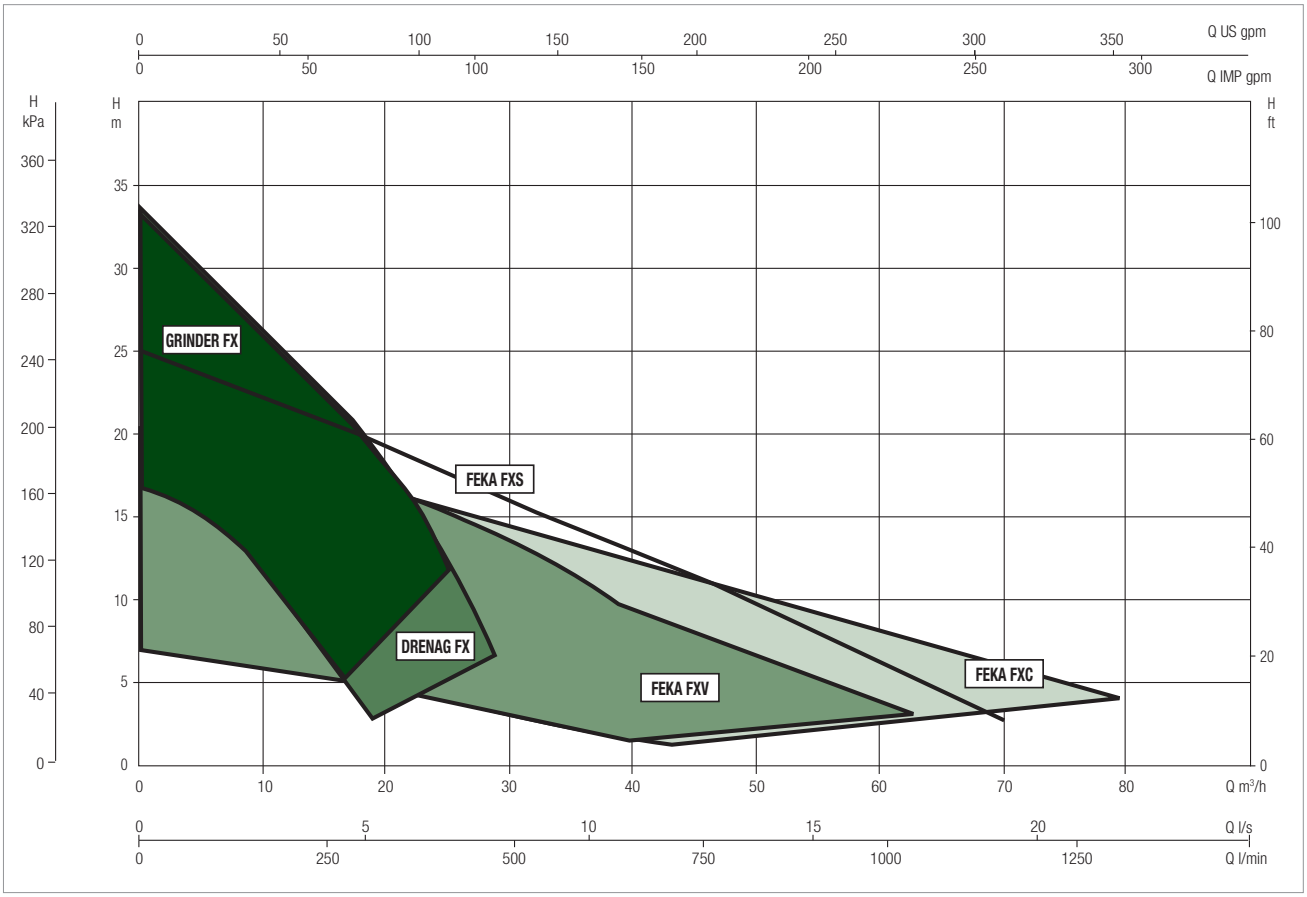
No.	PARTS	MATERIALS
1	HANDLE	CAST IRON EN GJL 200
2	ELECTRIC CABLE	07RN8-F
3	SCREWS	STAINLESS STEEL AISI 304
4	OR	NBR
5	MECHANICAL SEAL PUMP SIDE	SiC-SiC/SiC-C
	MECHANICAL SEAL MOTOR SIDE	SiC/CARBON
6	MOTOR SHAFT	STAINLESS STEEL AISI 304 (P2>1.5kW) AISI 431 (P2<1.2kW)
7	PUMP BODY / MOTOR	CAST IRON EN GJL 200
8	BEARING INNER FLANGE	ALUMINIUM ALLOY EN AC 46100
9	FLANGE	CAST IRON EN GJL 200
10	IMPELLER	CAST IRON EN GJL 250
11	BASE	CAST IRON EN GJL 200 + NATURAL RUBBER
13	COATING	CATAPHORESIS and ACRYLIC TWO-COMPONENT 50µm



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 ISO9906.

GRAPHIC SELECTION TABLE

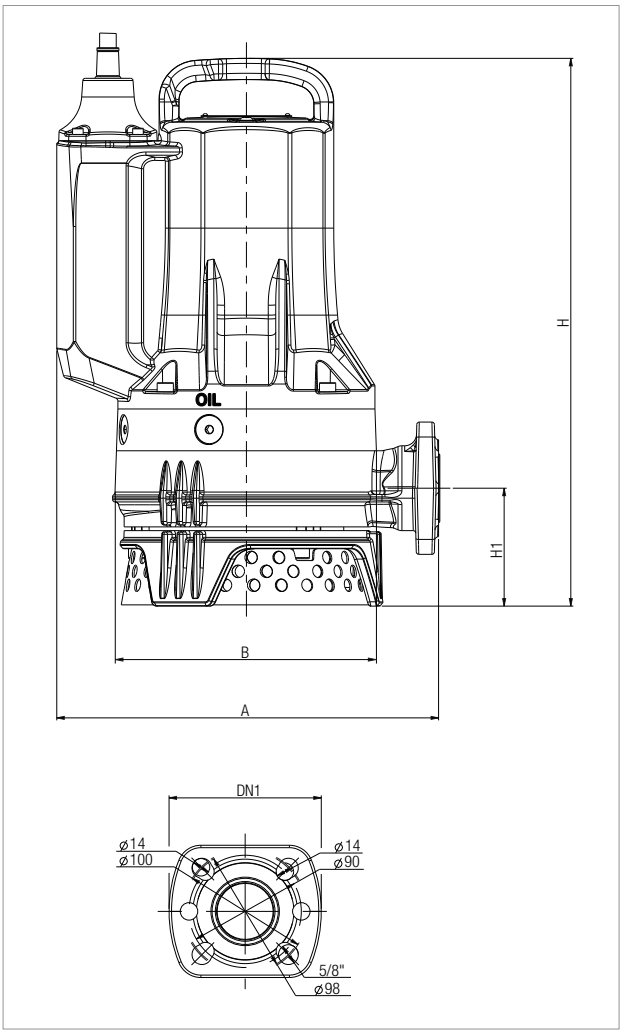


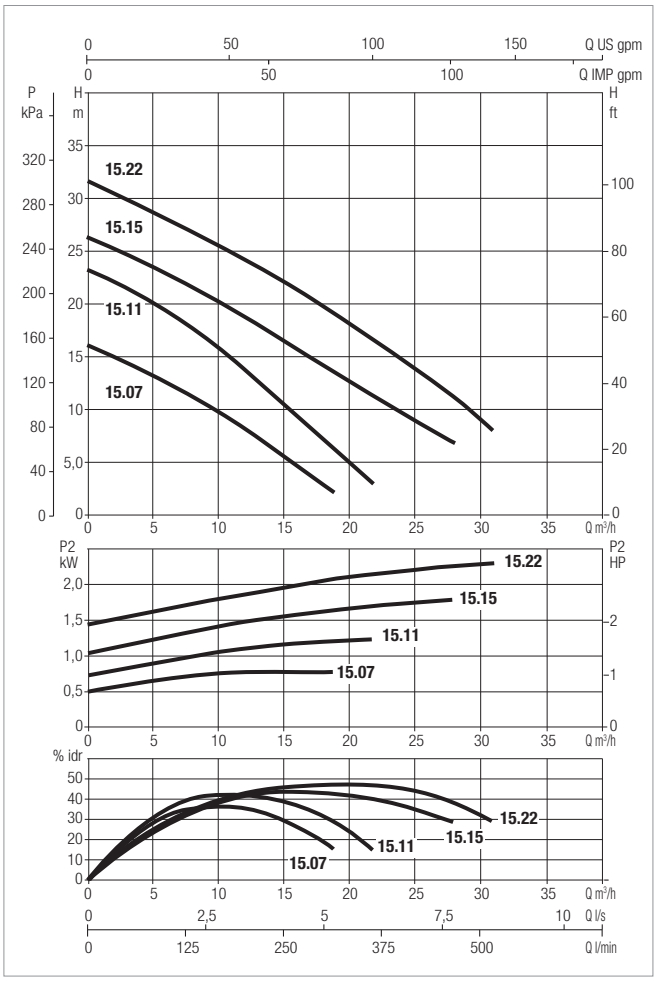
SELECTION TABLE DRENAG FX 15

MODEL	Q=m³/h	0	3	6	9	12	15	18	21	24	27	30
	Q=l/min	0	50	100	150	200	250	300	350	400	450	500
DRENAG FX 15.07	H (m)	16,2	14,5	12,6	10,5	8,1	5,5	2,8				
DRENAG FX 15.11		23,3	21,5	19,3	16,7	13,8	10,6	7,3	3,8			
DRENAG FX 15.15		26,4	24,9	23,1	21,1	18,9	16,6	14,2	11,8	9,5	7,4	
DRENAG FX 15.22		31,8	30,0	28,2	26,3	24,3	22,1	19,8	17,4	14,8	12,0	9,0

DRENAG FX 15 - SUBMERSIBLE PUMPS

Pumped liquid temperature range: from 0°to +50°C. For higher temperatures contact our sales network.





The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO9906.

MODEL	ELECTRICAL DATA							
	POWER INPUT 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Is A	CAPACITOR µF	RATED SPEED rpm/min
			Kw	HP				
DRENAG FX 15.07 MA	1x230V	1,1	0,8	1,1	5,1	29	25	2870
DRENAG FX 15.07 MNA*	1x230V	1,1	0,8	1,1	5,1	29	25	2870
DRENAG FX 15.07 TNA*	3x400V	1	0,8	1,1	2,1	22	-	2870
DRENAG FX 15.11 MA	1x230V	1,5	1,2	1,6	6,8	29	25	2870
DRENAG FX 15.11 MNA*	1x230V	1,5	1,2	1,6	6,8	29	25	2870
DRENAG FX 15.11 TNA*	3x400V	1,5	1,2	1,6	2,8	19	-	2870
DRENAG FX 15.15 MA	1x230V	2,3	1,8	2,4	10,6	36	40	2870
DRENAG FX 15.15 MNA*	1x230V	2,3	1,8	2,4	10,6	36	40	2870
DRENAG FX 15.15 TNA*	3x400V	2,5	1,8	2,4	4,3	25	-	2870
DRENAG FX 15.22 TNA*	3x400V	3,1	2,3	3,1	5,2	35	-	2870

*Available in Atex version

MODEL	FREE PASSAGE	A	B	H		H1	DELIVERY				PACKING DIMENSIONS			WEIGHT kg
					Ex		GAS	DN1	HOLES	D	L/A	L/B	H	
DRENAG FX 15.07*	10	306	215	412	412	95	Rp 1"1/2	DN32 PN10 / 6 DN40 PN6	4 2	100-90 90	660	370	400	35
DRENAG FX 15.11*	10	306	215	412	430	95	Rp 1"1/2	DN32 PN10 / 6 DN40 PN6	4 2	100-90 90	660	370	400	35
DRENAG FX 15.15*	10	306	215	421	439	95	Rp 1"1/2	DN32 PN10 / 6 DN40 PN6	4 2	100-90 90	660	370	400	38
DRENAG FX 15.22*	10	306	215	439	456	95	Rp 1"1/2	DN32 PN10 / 6 DN40 PN6	4 2	100-90 90	660	370	400	39

*Available in Atex version

FEKA FX S

SUBMERSIBLE PUMPS

TECHNICAL DATA

Flow Rate: from 0 to 84 m^3/h
Head: 25 m
Pumped liquid: waste water, gray water and groundwaterwater
Free passage: 50 mm
Liquid temperature: +50°C (+60°C for short periods)
Outlet:
FX S 25: DN65
FX S 30: DN 80
Outlet direction: horizontal
Impeller: anti-clogging screwe
Motor protection degree: IP 68
Thermal classification of the motor insulation: F
Power cable type: 07RN8-F for three-phase versions
Possible type of installation: portable placed on ground, fixed on coupling device
Maximum immersion depth: 7 m - with standard 10m cable

Submersible pump designed for lifting and transferring wastewater from drains in residential, commercial, and agricoltural. Certified to standard EN 12050-1 for wastewater. The non-clog screw impeller has been fine-tined to deliver excellent hydraulic performance and makes the pump suitable for handling fluids containing solids measuring up to 50 mm in size, ensuring the pump provides consistently reliable service and peace of mind. Pump suitable for fixed installations with a coupling device, or portable installations when placed directly on the bottom of the tank. Design solution chosen for quick maintenance, featuring easy access to the pump's main components.

CONSTRUCTION FEATURES OF THE PUMP

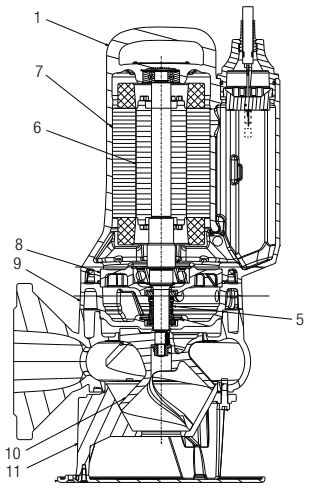
Cast iron screw impeller with non-clog system. Cast iron pump casing. Double SiC-SiC/C-Al mechanical seal running in an oil chamber not in contact with the fluid being pumped. DN 65 or DN 80 flanged outlet.

CONSTRUCTION FEATURES OF THE MOTOR

Three-phase asynchronous motor. Rotor mounted on long-life lubricated watertight bearings. S1 continuous duty with motor fully submerged. AISI 304 stainless steel motor shaft. Dry run for a maximum of 10 minutes. Overtemperature sensors in motor windings with a trip point of +130°C. Epoxy-sealed cable entry, quick-connect power cable (07RN8-F for three-phase versions). Protection to be provided by the user.

MATERIALS

No.	PARTS	MATERIALS
1	HANDLE	CAST IRON EN GJL 200
2	ELECTRIC CABLE	07RN8-F
3	SCREWS	STAINLESS STEEL AISI 304
4	OR	NBR
5	MECHANICAL SEAL PUMP SIDE	SiC-SiC/SiC-C
	MECHANICAL SEAL MOTOR SIDE	SiC/CARBON
6	MOTOR SHAFT	STAINLESS STEEL AISI 304 (P2>1.5kW)
7	PUMP/ MOTOR	CAST IRON EN GJL 200
8	BEARING INNER FLANGE	ALUMINIUM ALLOY EN AC 46100
9	FLANGE	CAST IRON EN GJL 200
10	IMPELLER	CAST IRON EN GJL 250
11	BASE	CAST IRON EN GJL 200 + NATURAL RUBBER
13	COATING	CATAPHORESIS and ACRYLIC TWO-COMPONENT 50µm

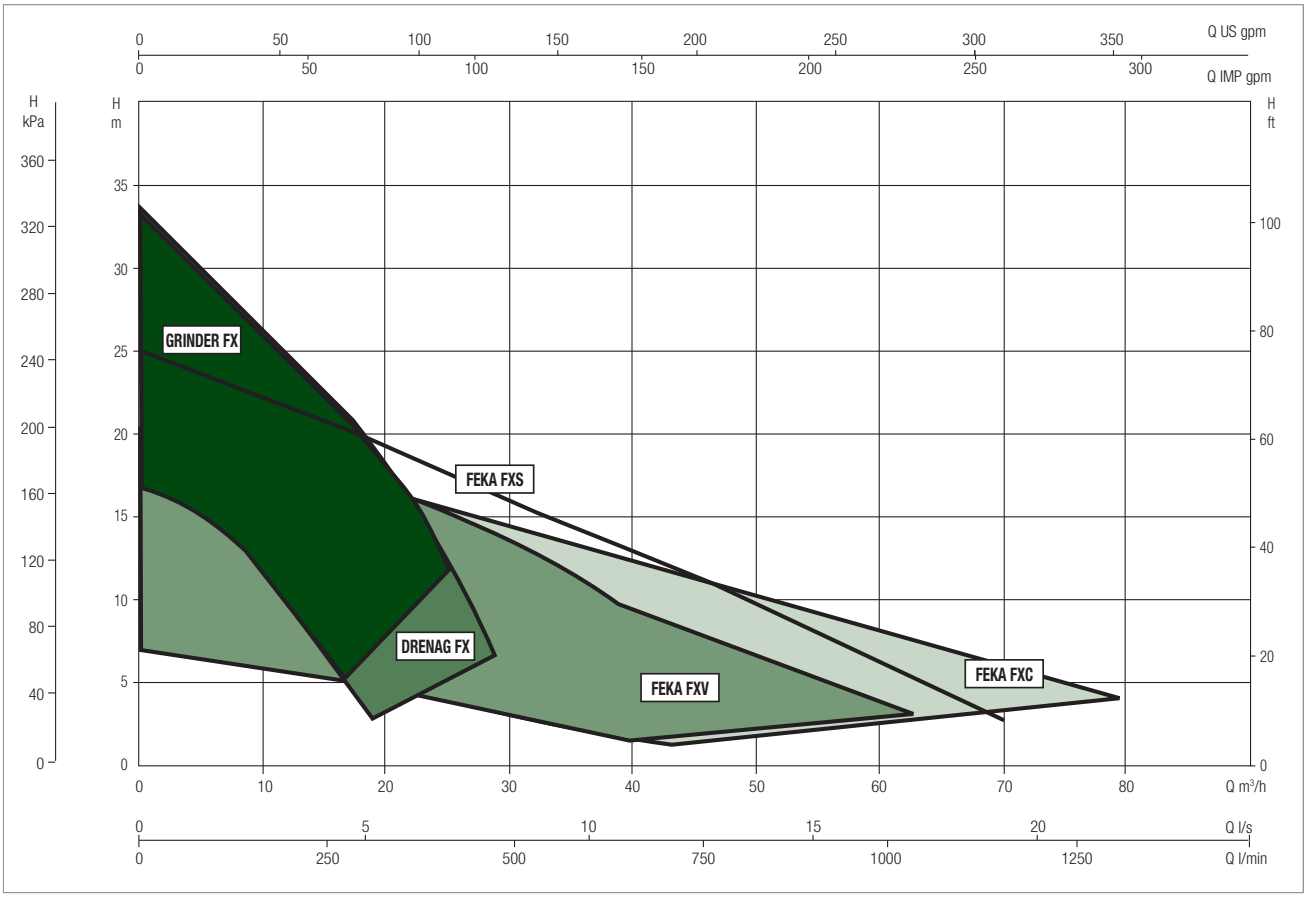


DAB PUMPS reserves the right to make modifications without notice.

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 ISO9906.

GRAPHIC SELECTION TABLE

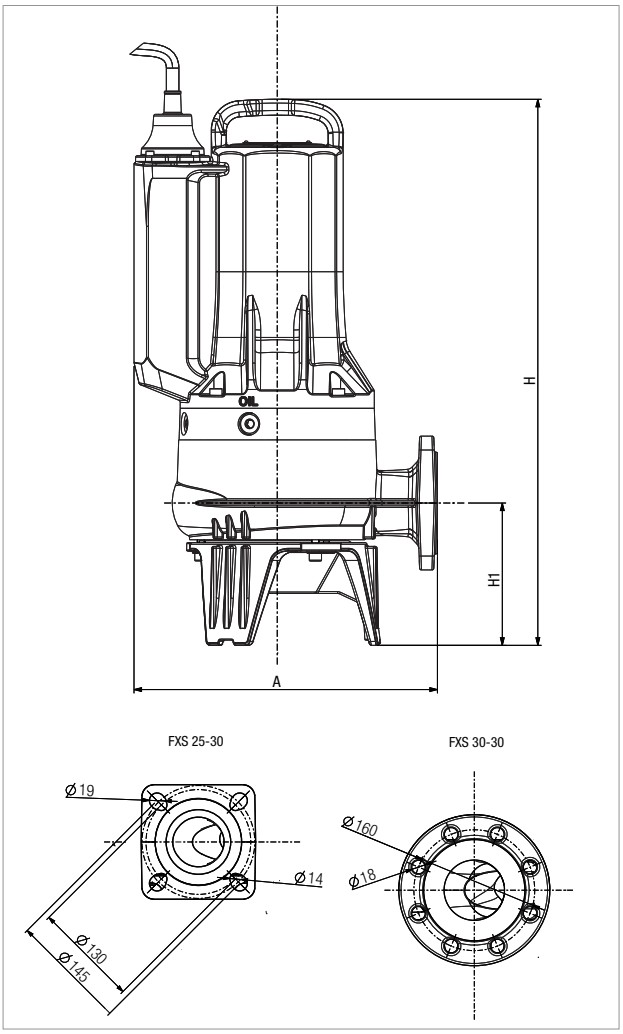


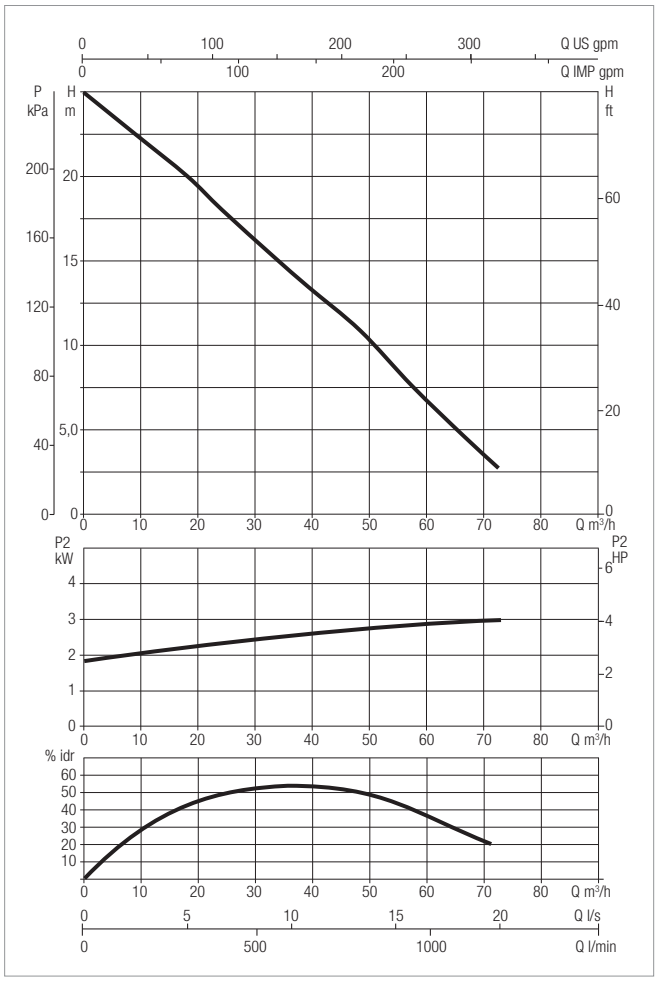
SELECTION TABLE FEKA FX S 25 - 30

MODEL	Q=m³/h	0	9	18	24	33	39	48	57	66	72
	Q=l/min	0	150	300	400	550	650	800	950	1100	1200
FEKA FXS 25.30	H (m)	25	22,5	20	18	15,2	13,4	10,8	7,5	4,5	2,6
FEKA FXS 30.30		25	22,5	20	18	15,2	13,4	10,8	7,5	4,5	2,6

FEKA FX S - SUBMERSIBLE PUMPS

Pumped liquid temperature range: from 0°to +50°C. For higher temperatures contact our sales network.





The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO9906.

MODEL	ELECTRICAL DATA							
	POWER INPUT 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Is A	CAPACITOR µF	RATED SPEED rpm/min
			Kw	HP				
FEKA FXS 25.30 TNA	3x400V	3,4	3	4	6,8	47,6 A	-	2870
FEKA FXS 30.30 TNA	3x400V	3,4	3	4	6,8	47,6 A	-	2870

MODELLO	FREE PASSAGE (mm)	A	H	H1	DELIVERY				PACKING DIMENSIONS			WEIGHT kg
					GAS	DN1	HOLES	D	L/A	L/B	H	
FEKA FXS 25.30	50	322	579	151	-	65 PN10 / 6	4	145-130	660	370	400	54
FEKA FXS 30.30	50	341	579	151	-	80 PN10 / 6	8	160	660	370	400	55,3

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60191691 - 03/2025