



TECHNICAL DATA

Liquid pumped: Clearwater and rainwater, greywater and sandy water from construction sites.

Free passage: 10 mm.

Liquid temperature range:

+50°C (+60°C for short periods);

+40°C for ATEX version

Outlet connection:

1 1/2" BSP threaded;

DN 32 and DN 40 flanged

Outlet direction: horizontal and vertical with 1 1/2" bend kit accessory.

Impeller: cast iron open

Maximum submerged depth: 7 metres

Possible mounting positions: portable placed on ground, fixed on coupling device

DRENAG FX is a submersible drainage pump designed to handle clearwater and greywater from drains in residential, institutional and commercial settings, as well as groundwater or rainwater; suitable for high-head applications. The pump is certified to standard EN 12050-2 for wastewater. 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. Automatic versions with an output of up to 1,5 kW. Also comes in an ATEX version for use in potentially explosive atmospheres. (ATEX certifications: II2G Ex db IIB T4 GB).

PUMP DESIGN FEATURES

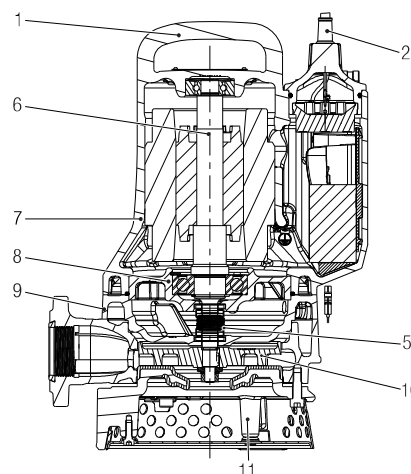
Close-clearance open impeller and wear-resistant rubber-coated disc allowing the pump to handle even fluids containing abrasive particles. Spheroidal cast iron pump casing and impeller. AISI 304 stainless steel motor shaft. Double SiC-SiC/SiC-C mechanical seal running in an oil chamber not in contact with the liquid being pumped. Both flanged and threaded outlet port.

MOTOR DESIGN FEATURES

Single-phase (MA/MNA versions) and three-phase (TNA versions) asynchronous motor. Rotor mounted on long-life lubricated watertight bearings. S1 continuous duty with motor fully submerged. 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. Single-phase versions have a built-in capacitor and can be supplied with a float for automatic operation (MA version) with outputs up to 1,5 kW. In three-phase motors, it is the installer's job to connect the built-in thermal overload protection.

MATERIALS

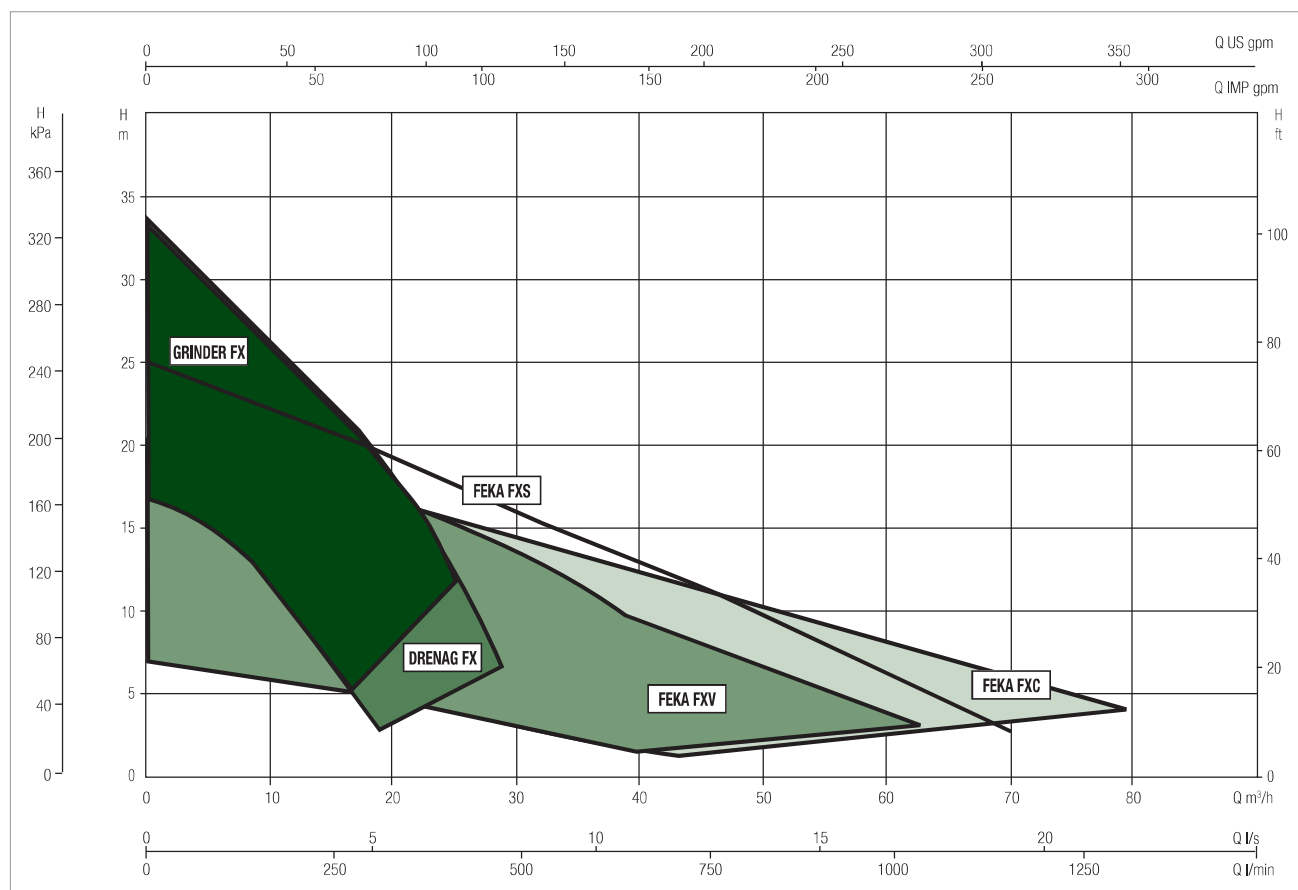
No.	PARTS	MATERIALS
1	HANDLE	CAST IRON EN G.JL 200
2	ELECTRIC CABLE	07RN8-F
3	SCREWS	AISI 304 STEEL
4	OR	NBR
5	COMP. MECH. SEAL PUMP SIDE	SiC-SiC/SiC-C
	COMP. MECH. SEAL MOTOR SIDE	SiC/CARBON
6	MOTOR SHAFT	AISI 304 STEEL (P2>1,5kW) AISI 431 (P2<1,2kW)
7	PUMP CASING / MOTOR HOUSING	CAST IRON EN G.JL 200
8	INTERNAL BEARING FLANGE	ALUMINIUM ALLOY EN AC 46100
9	FLANGE	CAST IRON EN G.JL 200
10	IMPELLER	CAST IRON EN G.JL 250
11	BASE	CAST IRON EN G.JL 200 + NATURAL RUBBER
13	COATING	ELECTROPHORETIC and 2-PACK ACRYLIC 50µm



PERFORMANCE RANGE

The performance curves are based on kinematic viscosity values = 1 mm²/s and a density of 1000 kg/m³. Curve tolerance to ISO 9906.

SELECTION GUIDE GRAPH

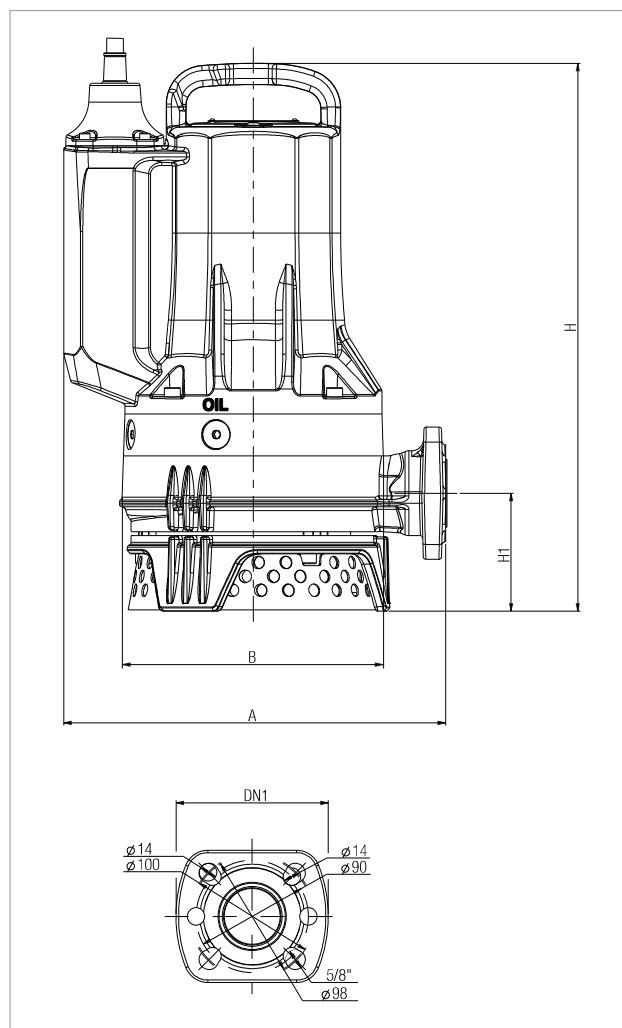
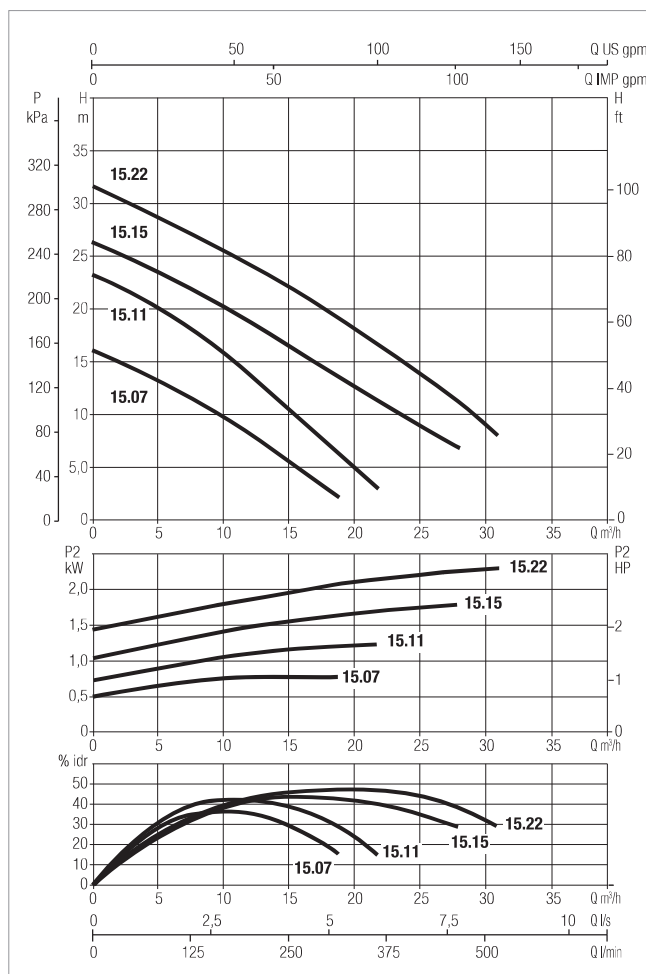


DRENAG FX 15 SELECTION GUIDE

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: 0° to +50°C. For higher temperatures, please contact our sales network.



The performance curves are based on kinematic viscosity values = 1 mm²/s and a density of 1000 kg/m³. Curve tolerance to ISO 9906.

MODEL	ELECTRICAL DATA							
	POWER SUPPLY 50 Hz	P1 MAX. kW	P2 RATED		In A	Is A	CAPACITOR µF	RATED SPEED rpm
			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 S 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 S 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 S TNA*	3x400V	2,5	1,8	2,4	4,3	25	-	2870
DRENAG FX 15.22 S TNA*	3x400V	3,1	2,3	3,1	5,2	35	-	2870

*Also comes in ATEX version

S: Oil sensor

MODEL	FREE PASSAGE (mm)	A	B	H		H1	OUTLET				PACKAGING DIMENSIONS			WEIGHT kg
				MA/MNA	TNA		BSP	DN1	HOLES	D	L/A	L/B	H	
DRENAG FX 15.07*	10	306	215	430	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	430	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	457	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	-	457	95	Rp 1" 1/2	DN32 PN10 / 6 DN40 PN6	4 2	100-90 90	660	370	400	39

*Also comes in ATEX version