

DRENAG FX

SUBMERSIBLE PUMPS



TECHNICAL DATA

Flow rate minimum and maximum: 28,5 m³/h
Head up to: 33 m
Immersion dept (maximum): 20 m
Type of pumped liquid: drainage water
Free passage: 10 mm
Supported liquid temperature (maximum and minimum): + 50°C
 (+ 60°C for short period)
Flanged and threaded: from 1"½, DN32, DN40
Impeller type: Open
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 (other lengths on request)
Possible type of installation: mobile when on the ground, fixed with coupling
Certification: EN 12050-2 \ ATEX
Special versions on request: different cable lengths, different voltages and frequencies

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

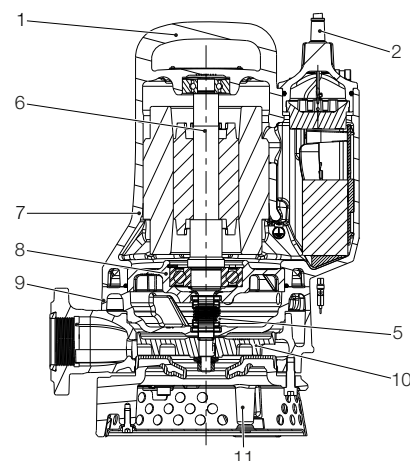
Open impeller and wear-resistant rubber disc for the use even in the presence of abrasive particles. Pump body and impeller in spheroidal cast iron. Motor shaft in AISI 304 stainless steel. Double mechanical seal in SiC-SiC/SiC-C in oil chamber not in contact with the pumped liquid. Delivery port both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

N°	PARTS	MATERIALS
1	HANDLE	CAST IRON EN G.JL 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 G.JL 200
8	BEARING INNER FLANGE	ALLUMINIUM 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	CATAPHORESIS and ACRYLIC TWO-COMPONENT 50µm



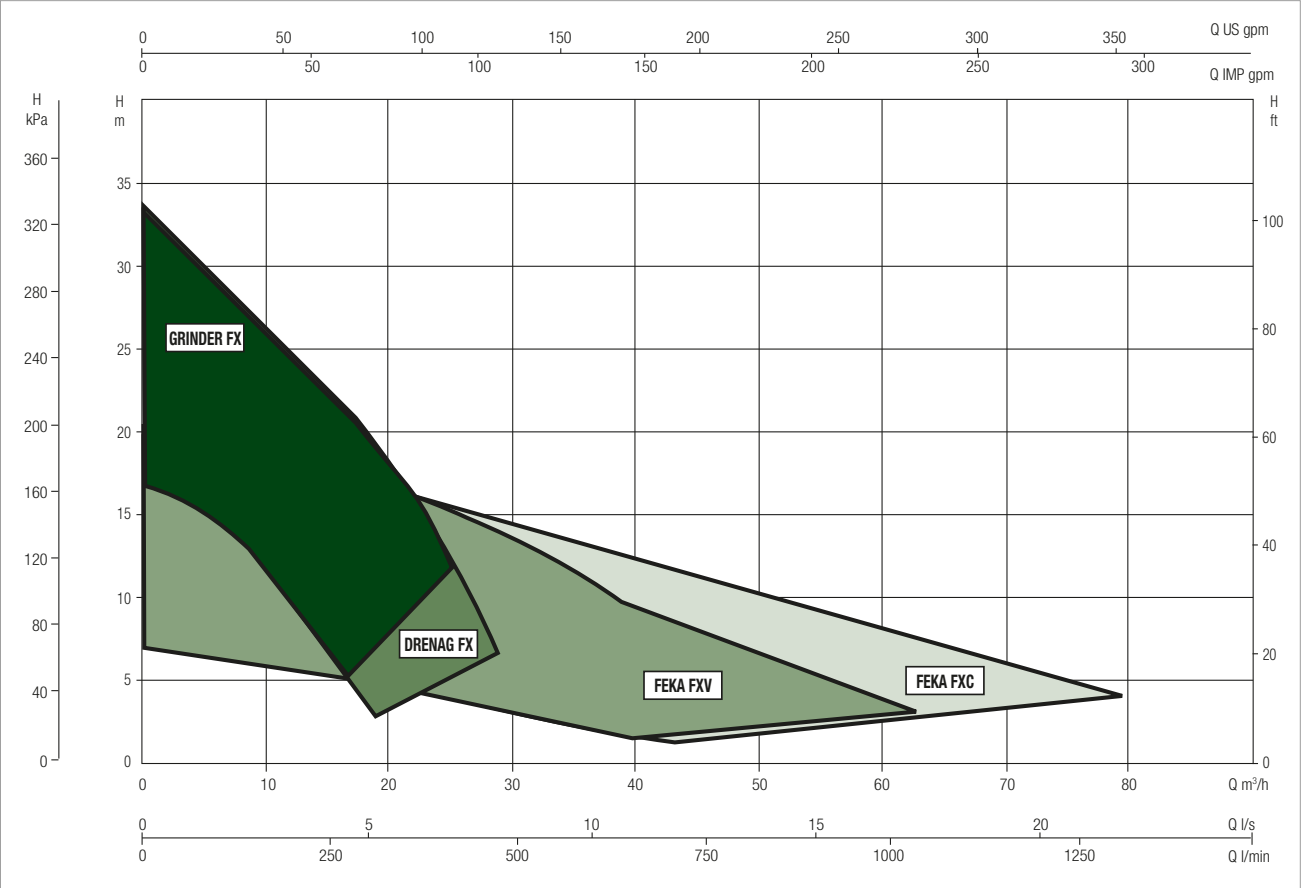
FX RANGE

SUBMERSIBLE PUMPS

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



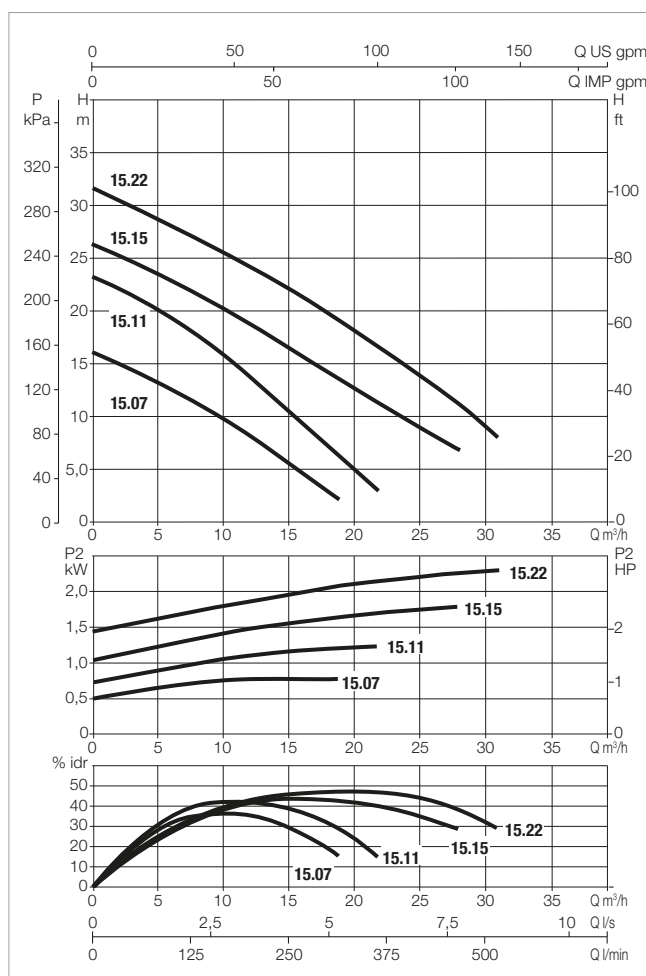
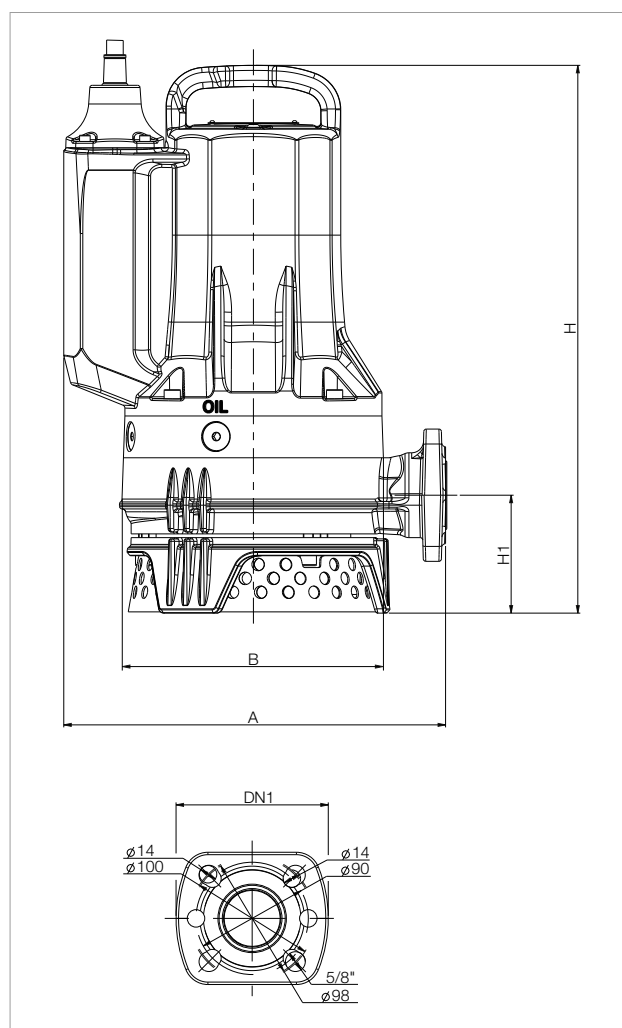
SELECTION TABLE DRENAG FX 15

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: da 0° a +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	RATED SPEED rpm/min
			Kw	HP			
DRENAG FX 15.07 MA	1x230V	1,1	0,8	1,1	5,1	29	25
DRENAG FX 15.07 MNA*	1x230V	1,1	0,8	1,1	5,1	29	25
DRENAG FX 15.07 TNA*	3x400V	1	0,8	1,1	2,1	22	-
DRENAG FX 15.11 MA	1x230V	1,5	1,2	1,6	6,8	29	25
DRENAG FX 15.11 MNA*	1x230V	1,5	1,2	1,6	6,8	29	25
DRENAG FX 15.11 TNA*	3x400V	1,5	1,2	1,6	2,8	19	-
DRENAG FX 15.15 MA	1x230V	2,3	1,8	2,4	10,6	36	40
DRENAG FX 15.15 MNA*	1x230V	2,3	1,8	2,4	10,6	36	40
DRENAG FX 15.15 TNA*	3x400V	2,5	1,8	2,4	4,3	25	-
DRENAG FX 15.22 TNA*	3x400V	3,1	2,3	3,1	5,2	35	-

*Available in Ex 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 Ex version

