

# DRENAG-FEKA-GRINDER

## SUBMERSIBLE PUMPS

### FOR USE ON BUILDING SITES USES



**DRENAG:** cast iron pump body, motor casing and adjustment ring impeller. Cast iron adjustment disk coated with abrasion-proof rubber. Stainless steel shaft, handle, filter, bolts and screws. Silicon/carbide mechanical seal, inspectionable oil chamber

**Pumped liquid:** sandy water, slimy and muddy water from building yards, rain water, phreatic and fountain water, river or lake water, not-aggressive water in all cases.

**Granulometric passage through the suction grid:** 12 mm

**FEKA:** Cast iron pump body, motor casing, suction cover and vortex back flowing impeller. Stainless steel driving shaft, handle, bolts and screws. Carbon/ceramic mechanical seal.

Inspectionable oil chamber.

**Pumped liquid:** sewage, waste waters, raw loads containing solid particles, not-aggressive in all cases.

**Free passage of solids:** 38 mm

**GRINDER:** cast iron pump body, motor casing, suction cover and adjustment ring impeller. Grinder device in micro cast steel.

Stainless steel shaft, handle, bolts and screws. Silicon/carbide mechanical seal, inspectionable oil chamber.

**Pumped liquid:** sewage, waste waters, raw loads containing solid particles and/or long fibres, not-aggressive in all cases.

Submersible, asynchronous, continuous duty, sealed motor in refrigerant liquid bath. Rotor mounted on overdimensioned greased-for life ball bearings. Built-in thermal-current protection for connection to the control panel. A 10-metre long neoprene power cable is supplied as a standard feature. For these pumps to work they must be equipped with protection and control systems, supplied separately and not connected to the pumps.

#### Operating range:

**DRENAG:** from 6 to 33 m<sup>3</sup>/h with head up to 19,2 metres for the single-phase version and 21,5 metres for the three-phase version

**FEKA:** from 6 to 30 m<sup>3</sup>/h with head up to 14 metres for the single-phase version and 15,5 metres for the three-phase version

**GRINDER:** from 2 to 9 m<sup>3</sup>/h with head up to 24.5 metres for the single-phase version and 26.5 metres for the three-phase version.

**Liquid temperature range:** from 0°C to +55°C  
from 0°C to +40°C for the Ex. Version

**Maximum ambient temperature:** +40°C with motor out of the water

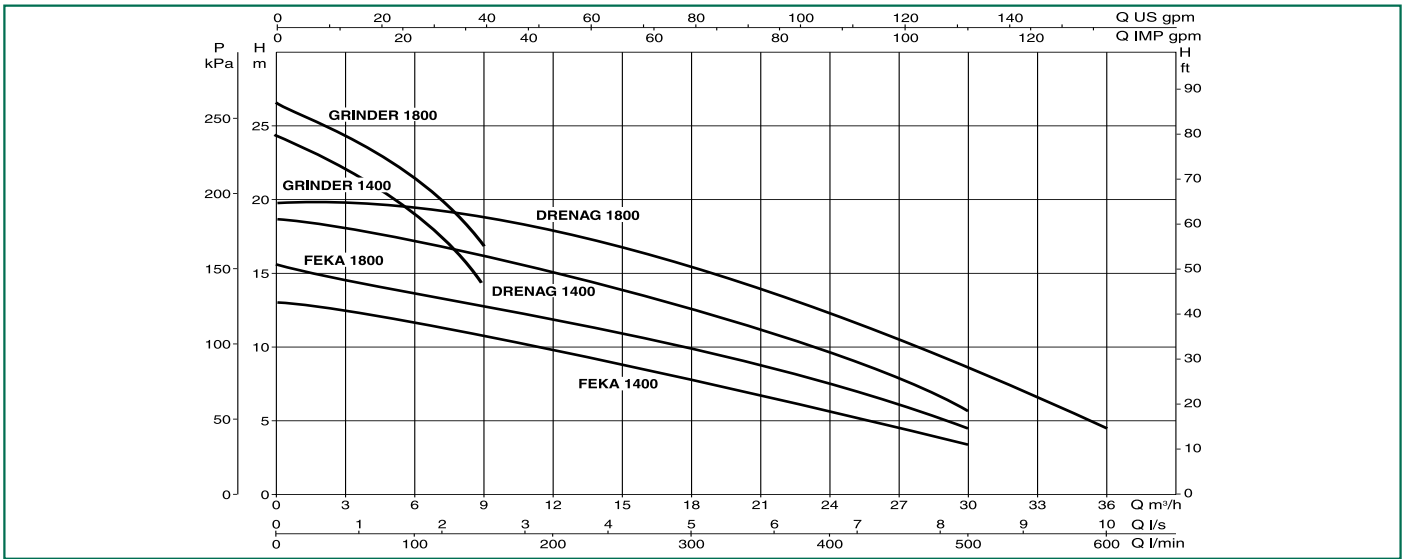
**Maximum immersion:** 10 metres

**Protection degree:** IP 68

**Insulation class:** F

**Installation:** fixed or portable in a vertical position

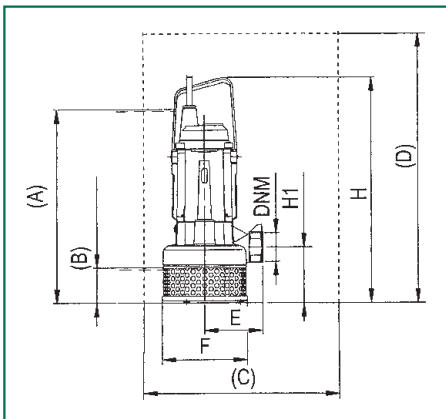




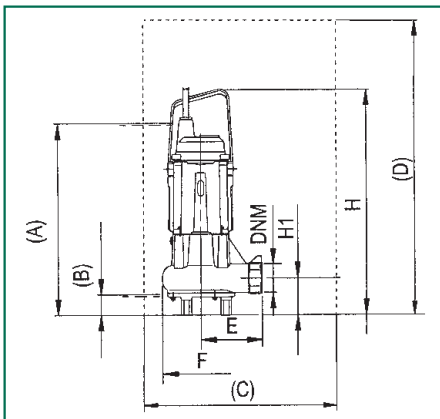
MODEL	ELECTRICAL DATA						HYDRAULIC DATA										
	VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW HP	In A	CAPACITOR µF   Vc		Q m³/h l/min	0	2	4	6	9	12	18	24	30	36
DRENAG 1400 M/Ex	1x220-240 V ~	2	1,1	1,5	9,2	40	450	19,2			17	15,8	14,6	12,1	9	5,5	
DRENAG 1800 T/Ex	3x 400V ~	2,3	1,5	2	4,4	-	-	21,5			20	18,7	18	15,2	12	8,5	4,5
FEKA 1400 M/Ex	1x220-240 V ~	1,8	1,1	1,5	8,5	40	450	13,9			12	11	9,9	7,8	5,7	3,4	
FEKA 1800 T/Ex	3x 400V ~	1,9	1,5	2	3,7	-	-	15,5			13,7	13	11,8	9,7	7,3	4,5	
GRINDER 1400 M/Ex	1x220-240 V ~	1,95	1,1	1,5	8,7	40	450	24,5	22,8	21	19	14,1					
GRINDER 1800 T/Ex	3x 400V ~	2	1,5	2	3,8	-	-	26,5	25	23,5	21,6	17					

## DIMENSIONS AND WEIGHTS

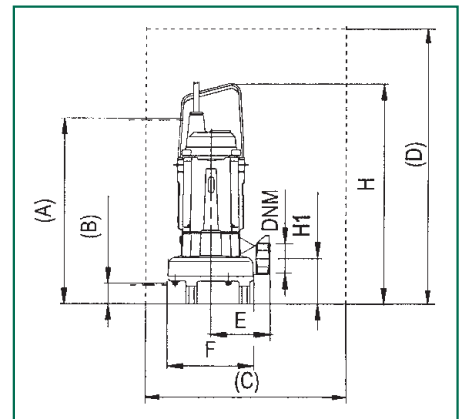
### DRENAG



### FEKA



### GRINDER



MODEL	A	B	C	D	E	F Ø	DNM	H	H1	WEIGHT Kg
DRENAG 1400 M	500	90	500x500 min	600 min	150	219	2" G	584	144	43,3
DRENAG 1800 T	500	90	500x500 min	600 min	150	219	2" G	584	144	44,2
DRENAG 1400 M-(Ex)	500	90	500x500 min	600 min	150	219	2" G	584	144	44
DRENAG 1800 T-(Ex)	500	90	500x500 min	600 min	150	219	2" G	584	144	45,6
FEKA 1400 M	500	50	500x500 min	600 min	160	200	2" G	583	94	41,2
FEKA 1800 T	500	50	500x500 min	600 min	160	200	2" G	583	94	42,4
FEKA 1400 M-(Ex)	500	50	500x500 min	600 min	160	200	2" G	583	94	42
FEKA 1800 T-(Ex)	500	50	500x500 min	600 min	160	200	2" G	583	94	43
GRINDER 1400 M	500	50	500x500 min	600 min	150	219	2" G	549	109	43,2
GRINDER 1800 T	500	50	500x500 min	600 min	150	219	2" G	549	109	43,8
GRINDER 1400 M-(Ex)	500	50	500x500 min	600 min	150	219	2" G	549	109	43,2
GRINDER 1800 T-(Ex)	500	50	500x500 min	600 min	150	219	2" G	549	109	43,8