



SUBMERSIBLE DRAINING PUMPS



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SUBMERSIBLE DRAINING ELECTRIC PUMPS



The submersible draining pumps with open impeller have been developed with the most advanced and sophisticated engineering and industrial design systems. The particular form, the integrated automatic switch, the possibility to operate also if partially submerged, the total absence of screws and the particular compound polymers used, make this model one of the most innovative and technological advanced pumps available on the market.

The submersible draining pumps have been designed to pump clear water, waste water or slightly dirty water, but not aggressive for the pump's materials.

Max. liquid temperature handled by the pump 40°C.

Max liquid temperature allowed by CEI EN 60335-2-41 norm: 35°C.

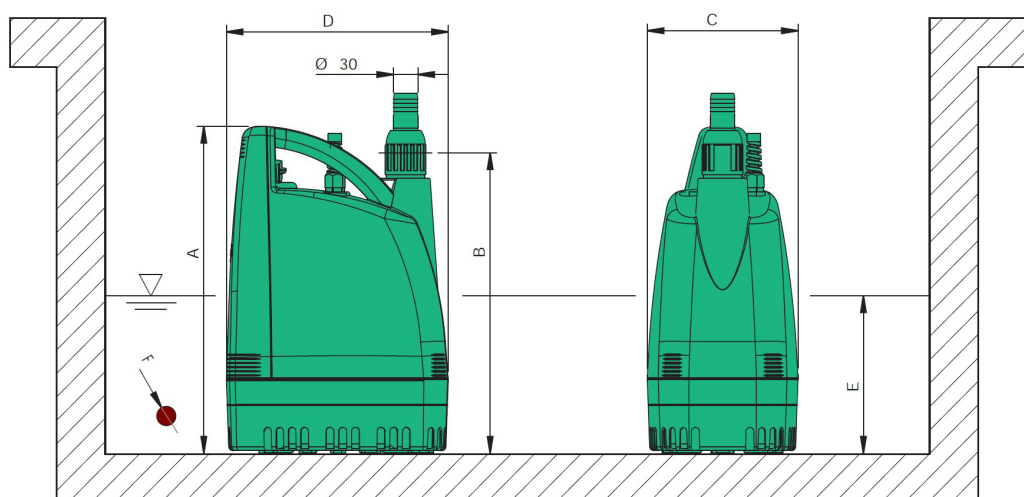
TECHNICAL FEATURES

- Pump body, outer motor casing and base filter: Syntegum 1720
- Impeller : in Dynaril
- Bearings bracket: in die casting aluminium UNI 5076
- Motor body in stainless steel: AISI 304
- Pump shaft: stainless steel: AISI 420 F
- Pump's side mechanical seal: carbon-ceramics
- Motor's side seal: lip ring in NBR
- 10 m H05RN-F feeding cable
- Max. immersion 5 m

MOTOR

- Two poles induction rewindable motor, cooled by the pumped liquid, with protection IP 68, class F insulation.
- Single-phase feeding with incorporated motor protector and capacitor permanently connected.
- Continuous duty.

CODE	Particle Size Ømm	Kw	HP	V	Power [W]	Capacitor 450 V max [mF]	Input Current [A]	Flow rate / Head										
								Q [m3/h]	0	3	4.2	5.4	6	7.2	8.4	9.6	10.6	12
								Q [l/1']	0	50	70	90	100	120	140	160	180	200
884412	Ø 2	0.26	0.35	230	310	6.3	1.4	H [m]	6.4	4.6	3.7	2.7	2.1					
								Efficiency %	0	14.1	15.3	13.9	11.9					
								P1 kW	0.27	0.28	0.29	0.3	0.31					
884413	Ø 9	0.59	0.8	230	720	14	3.2	H [m]	12.4	10.4	9.6	8.8	8.3	7.5	6.6	5.7	4.8	3.9
								Efficiency %	0	15	19	21.8	22.7	23.7	23.6	22.4	20.1	16.6
								P1 kW	0.51	0.55	0.58	0.6	0.61	0.63	0.65	0.66	0.68	0.7
884414	Ø 25	0.59	0.8	230	610	14	2.7	H [m]	8.9	6.7	5.9	5.0	4.6	3.8	2.5	2.2	1.4	
								Efficiency %	0	9.5	11.5	12.2	12.8	12	10.5	8	4	
								P1 kW	0.52	0.54	0.55	0.56	0.57	0.58	0.59	0.60	0.61	



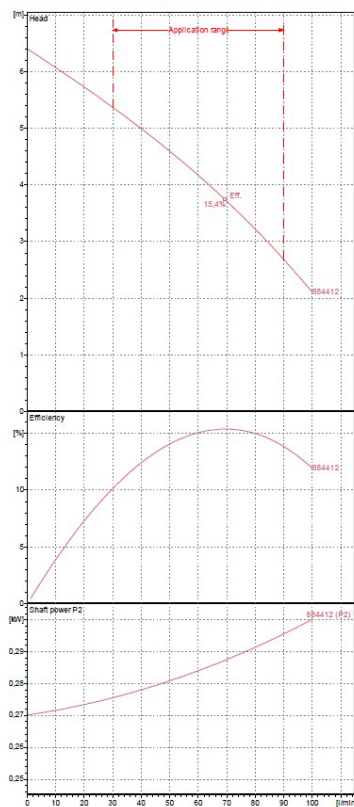
CODE	A	B	C	D	E-ON	E-OFF	F	OFF-manual mode*	DNM	Weight
884412	355	325	175	270	85	75	Ø 2	2	1"1/4	5.4
884413	400	365	175	270	125	110	Ø 9	50	1"1/4	7.8
884414	400	365	175	270	125	110	Ø 25	50	1"1/4	7.8

*Max. suction level in manual mode (pump always on).

884412

Tolerance of curves to ISO 9906 - grade 3B

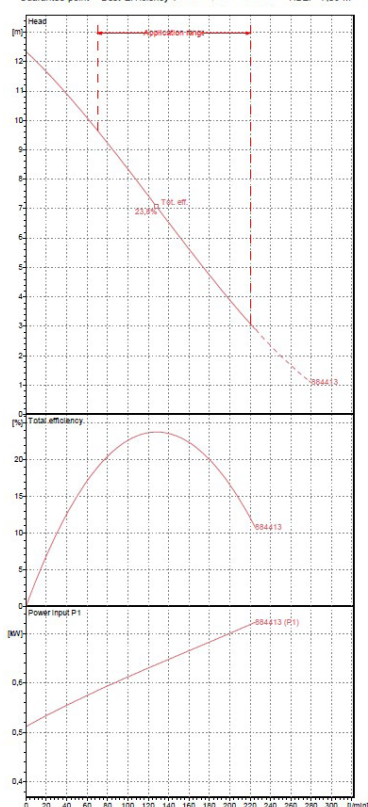
Guarantee point = Best Efficiency QBEP=66.5 l/min HBEP=3.73 m



884413

Tolerance of curves to ISO 9906 - grade 3B

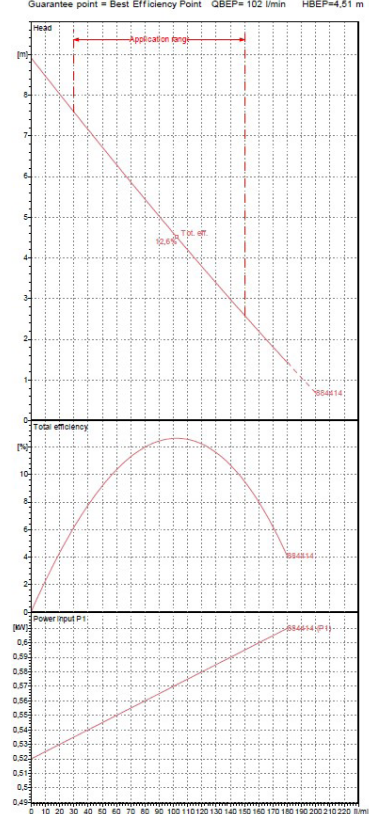
Guarantee point = Best Efficiency Point QBEP=128 l/min HBEP=7.06 m



884414

Tolerance of curves to ISO 9906 - grade 3B

Guarantee point = Best Efficiency Point QBEP=102 l/min HBEP=4.51 m



SUBMERSIBLE ELECTRIC WASTEWATER PUMPS



The submersible draining electric pumps have been designed for pumping clear or slightly dirty liquids, not-explosive or chemically aggressive for the pump's materials, either containing suspended solids without abrasives parts not exceeding max Ø 4 mm.

Max. liquid temperature handled by the pump 40°C.

Max liquid temperature allowed by CEI EN 60335-2-41 norm: 35°C.

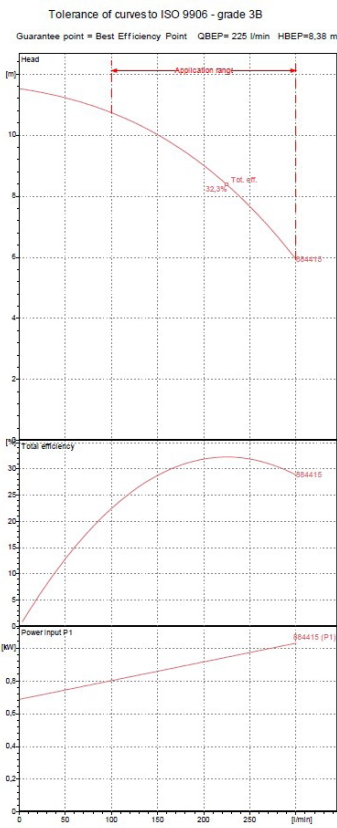
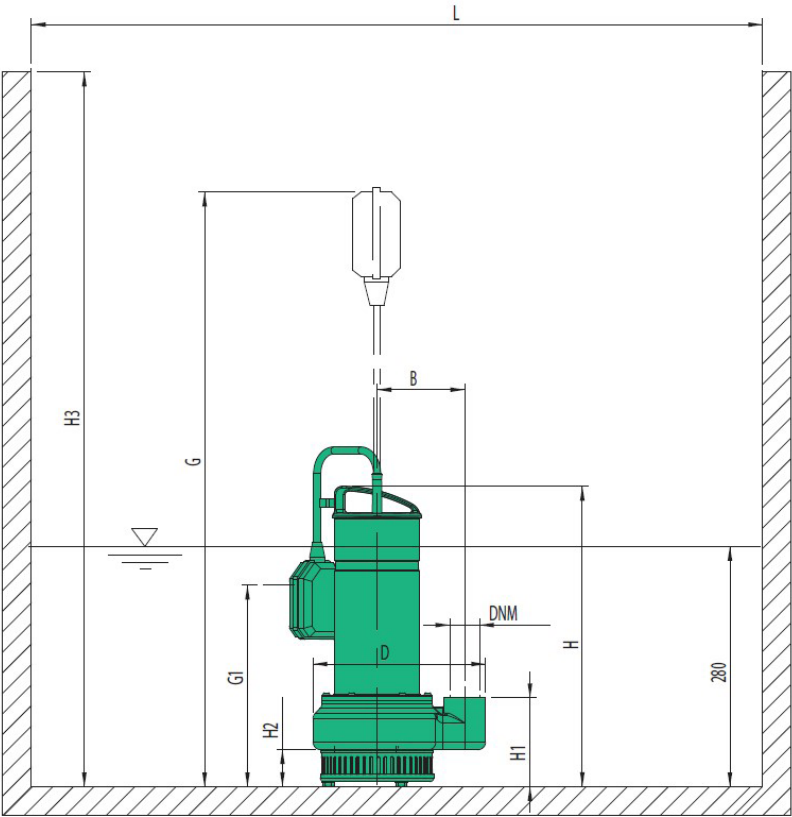
TECHNICAL FEATURES

- Motor body: stainless steel AISI 304
- Pump body: cast iron G20 with anti-corrosive coating
- Impeller: Techno-polymer
- Pump shaft: stainless steel AISI 420
- Pump's side mechanical seal: carbon - ceramics
- Motor's side seal: lip ring in NBR
- Feeding cable: 10 m H07RN-F

MOTOR

- Two poles induction rewindable motor with protection IP 68, class F insulation.
- Single-phase feeding with incorporated motor protector and capacitor permanently connected.
- Three-phase feeding with compulsory protection to be provided by the user.
- Continuous duty if completely submerged S1.

CODE	Particle Size Ømm	Kw	HP	V	Power [W]	Capacitor 450 V max [mF]	Input Current [A]	Flow rate / Head							
								Q [m3/h]]	0	3	6	9	12	15	18
								Q [l/1']	0	50	100	150	200	250	300
884415	Ø 4	0.74	1	230	1040	20	4.7	H [m]	11.6	11	10.9	10	9.1	7.5	6
								Efficiency %	0	12.3	22.4	28.9	32	31.1	29
								P1 kW	0.7	0.7	0.8	0.9	0.9	1	1



CODE	H	H1	H2	H3	B	D	F	G	G1	DNM	Weight
884415	400	120	50	700	120	230	Ø 4	500	200	1"1/4	13.2

