



Construction

Close coupled multi-stage submersible pumps in **chrome-nickel stainless steel**. Hydraulic part under the motor and motor cooled by the pumped water for safe operation also with the pump only partially immersed. Double shaft seal with interposed oil chamber. The suction strainer prevents solids bigger than 2 mm grain size from entering the pump.

Performance

Capacity up to 15 m³/h.
Head up to 106 m.
Rated motor power output up to 3 kW.
Rotation speed 3450 r.p.m. (motor frequency 60 Hz).

Applications

For water supply from wells, tanks or reservoirs. For domestic use, for civil and industrial applications, for garden use and irrigation. Utilization of rain water.

Operating conditions

Water temperature up to 40 °C.
Maximum immersion depth: 20 m (with suitable cable length).
Maximum sand quantity into the water: 50 g/m³.
Maximum starting/h: 20

Motor

Asynchronous motor type.
CRXM : single-phase 220-230 V, thermal protection built into the motor up to 1,1 kW. Thermal protection provided into the starter panel from 1,5 kW and above.
CRX : three-phase 380-400 V, thermal protection to be provided into the starter panel by the installer.

Cable: type H07RN-F, length 20 m.
Insulation class F.
Protection IP 68 (for continuous immersion).

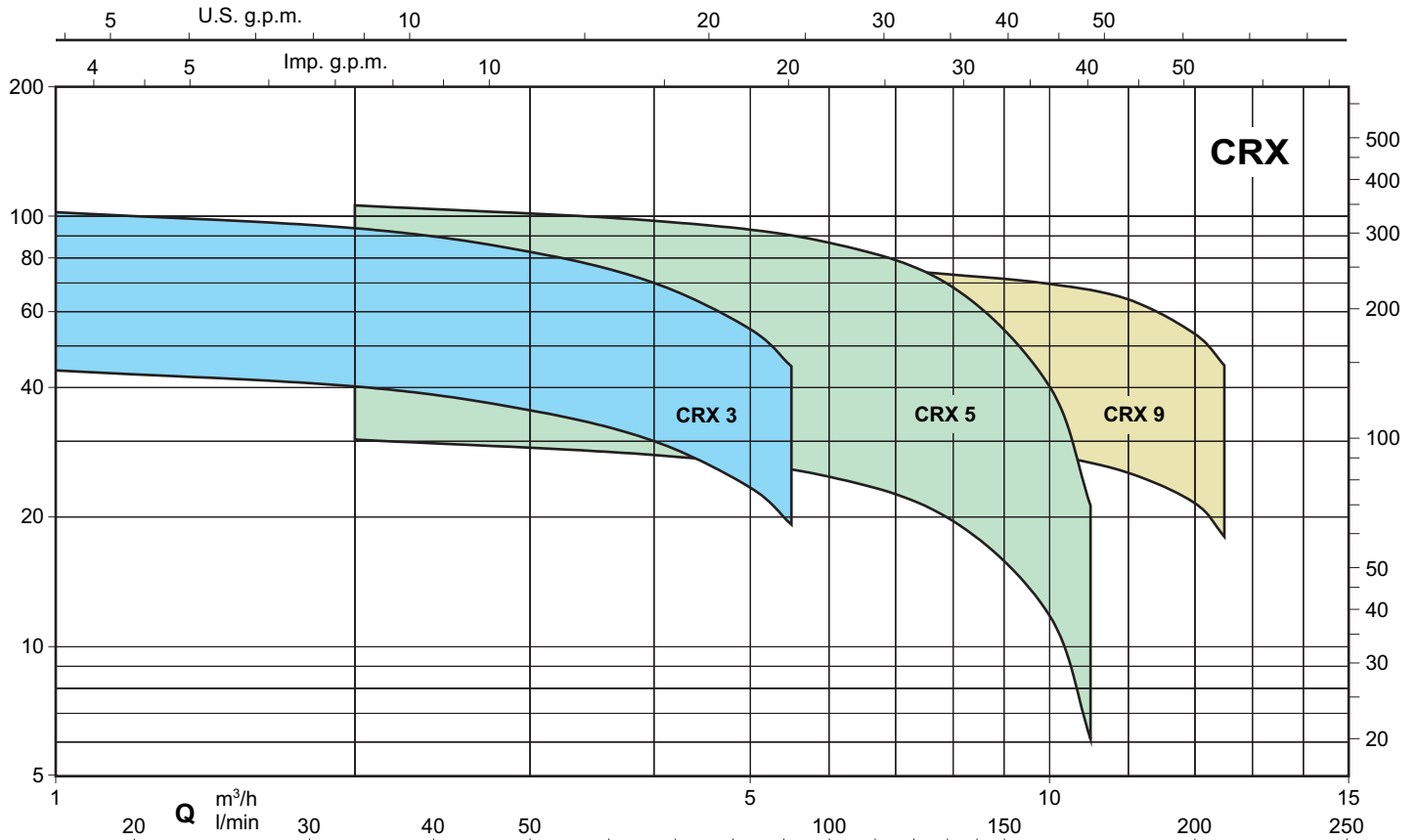
Special features on request

- Single-phase version with control box.
- Other voltages.
- With float switch (single-phase version).
- Other mechanical seal.
- Different length.

Material

- External jacket, Suction strainer, Motor supports, Motor shield, Shaft, Diffuser and Impeller: Chrome-nickel steel 1.4301 EN 10088 (AISI 304).
- Delivery casing: Nickel-plated Brass UNI-EN 12165-98.
- Upper mechanical seal: Ceramic, carbon, NBR.
- Lower mechanical seal: Ceramic, carbon, NBR.

Campo di applicazione - Coverage chart - Graphique d'utilisation - Campo de aplicaciones

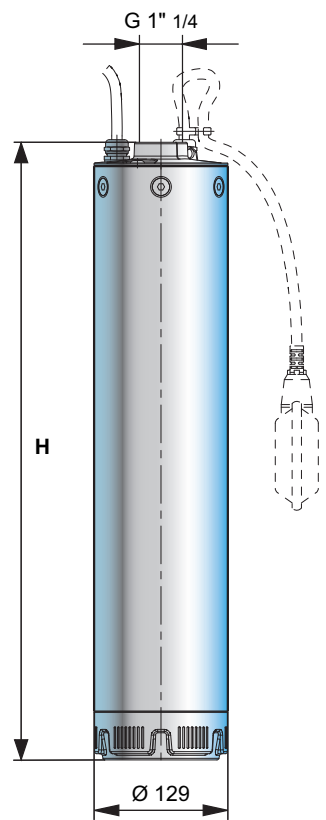
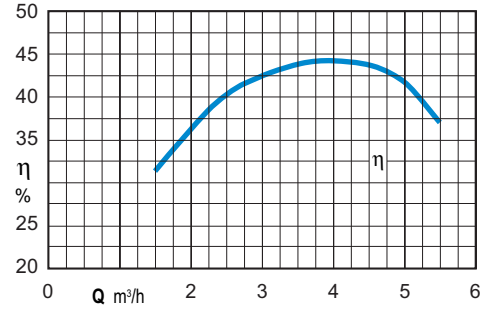
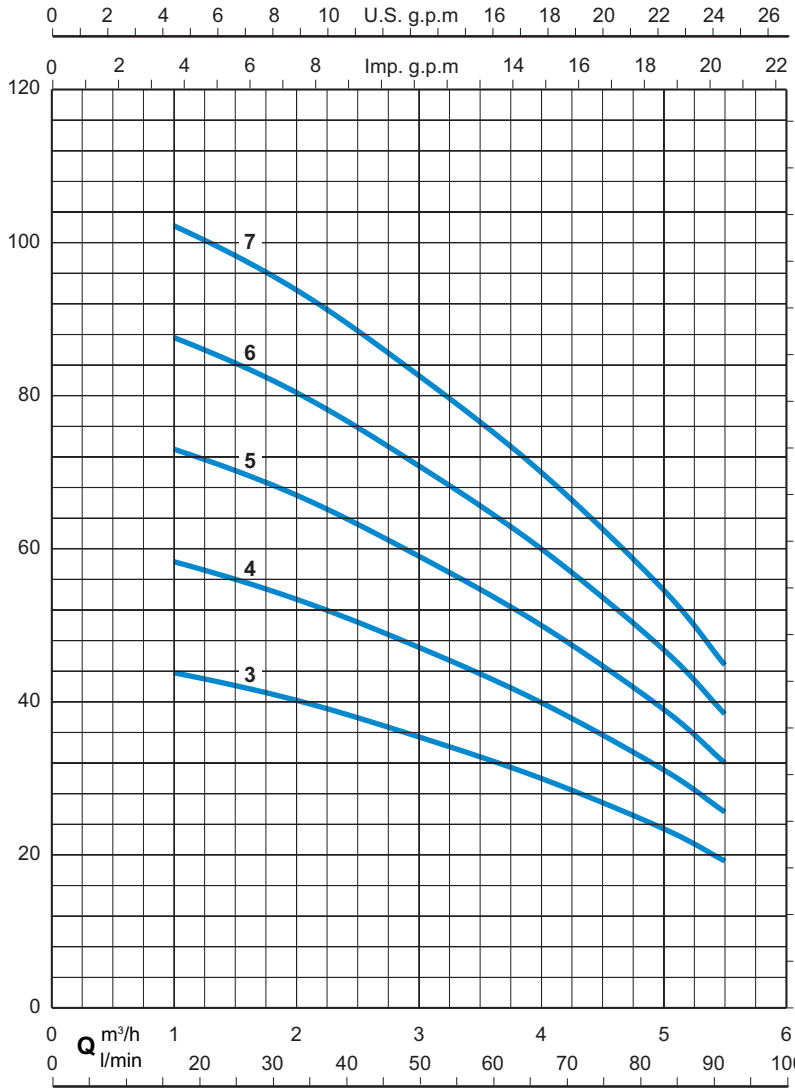


Tolerances according to ISO 9906-A

The performance curves are based on the kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³

CRX3

5" Multi-Stage Submersible Clean Water Pumps 60 Hz - n ≈ 3450 rpm



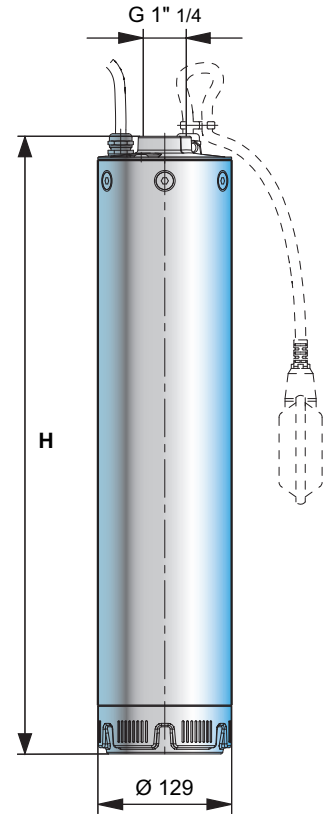
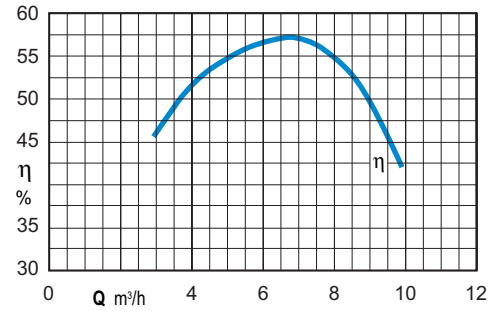
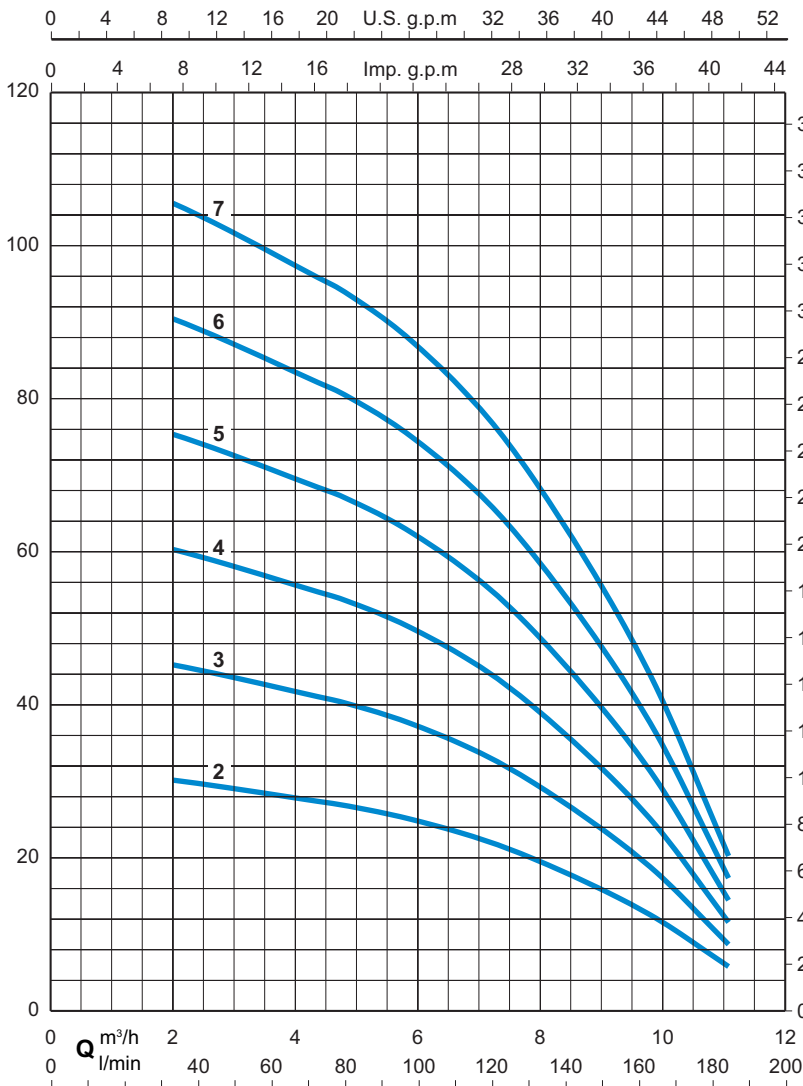
SINGLE-PHASE			THREE-PHASE		STAGES	MOTOR			Q m³/h l/min	DELIVERY								
220 V	A	Capacitor 450 V	380 V	A		N.	kW	HP		P ₁	0	1	2	3	4	5	5,5	
CRXM 3/3	4,9	20	-	-	3	0,75	1	1,05	H m HEAD	46,5	43,8	40,2	35,4	30	23,4	19,2		
CRXM 3/4	6,3	20	CRX 3/4	2,8	4	0,9	1,2	1,4		62	58,3	53,4	47,1	39,9	31,1	25,6		
CRXM 3/5	8,4	25	CRX 3/5	3,2	5	1,1	1,5	1,7		77,5	73	67	59	50	39	32		
CRXM 3/6	9,3	30	CRX 3/6	3,8	6	1,5	2	2		93	87,6	80,4	70,8	60	46,8	38,4		
CRXM 3/7	10,6	30	CRX 3/7	4,3	7	1,5	2	2,35		109	102	93,8	82,6	70	54,6	44,8		

SINGLE-PHASE		THREE-PHASE	
H mm	kg	H mm	kg
456	15,5	-	-
480	16	480	16,5
504	18	504	17
578	20,5	578	18,5
602	21	602	19

P1 = Max. power input
The encumbered dimensions and weight are indicative.

CRX5

5" Multi-Stage Submersible Clean Water Pumps 60 Hz - $n \approx 3450$ rpm



SINGLE-PHASE			THREE-PHASE		STAGES	MOTOR			Q m³/h l/min	DELIVERY								
220 V	A	Capacitor 450 V	380 V	A		N.	kW	HP		P ₁	0	2	4	6	8	10	11	
CRXM 5/2	5	20	-	-	2	0,75	1	1	H m HEAD	31,2	30,3	27,9	24,8	19,6	11,8	6,1		
CRXM 5/3	6,7	20	CRX 5/3	3	3	0,9	1,2	1,48		46,9	45,4	41,8	37,2	29,4	17,2	8,7		
CRXM 5/4	9,1	25	CRX 5/4	3,6	4	1,1	1,5	1,95		62,5	60,5	55,8	49,5	39,1	22,9	12,5		
CRXM 5/5	10,8	30	CRX 5/5	4,4	5	1,5	2	2,4		78,1	75,4	69,7	61,8	48,8	28,8	15,5		
			CRX 5/6	5,5	6	2,2	3	2,9		93,7	90,7	83,6	74,3	58,6	34,9	18,7		
			CRX 5/7	6,1	7	2,2	3	3,5		109	106	97,6	86,8	68,3	40,2	21,3		

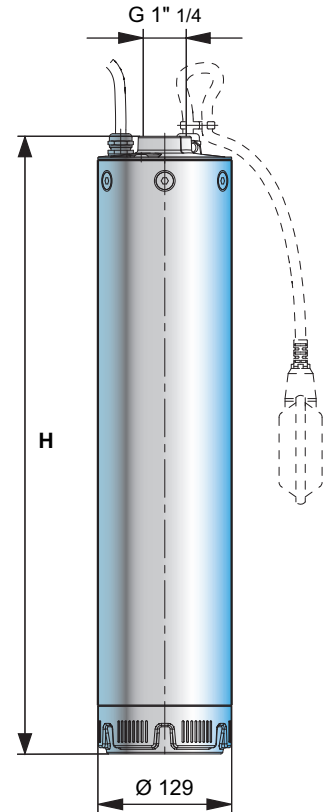
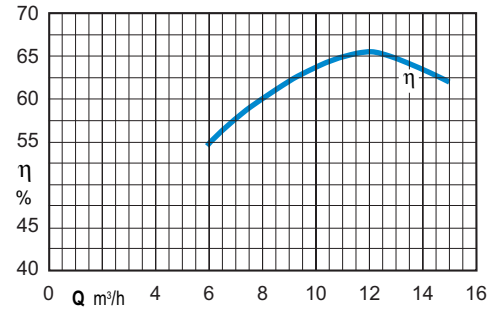
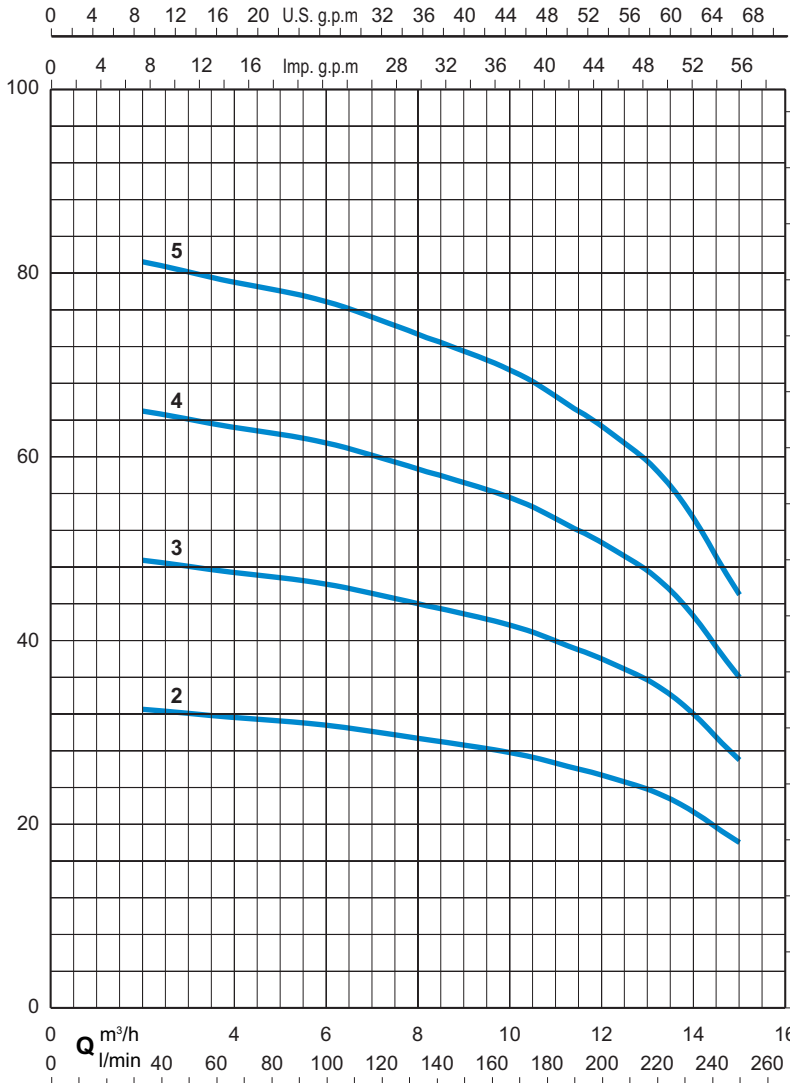
SINGLE-PHASE		THREE-PHASE	
H mm	kg	H mm	kg
432	15	-	-
456	15,5	456	15,5
480	17,5	480	16
554	20	554	18,5
-	-	578	21
-	-	602	21,5

P1 = Max. power input

The encumbered dimensions and weight are indicative.

CRX9

5" Multi-Stage Submersible Clean Water Pumps 60 Hz - $n \approx 3450$ rpm



SINGLE-PHASE			THREE-PHASE		STAGES	MOTOR			Q m³/h l/min	DELIVERY									
220 V	A	Capacitor 450 V	380 V	A		N.	kW	HP		P ₁	0	2	4	6	8	10	12	14	15
CRXM 9/2	8,3	25	CRX 9/2	3,2	2	1,1	1,5	1,7	H m HEAD	33,3	32,5	31,6	30,8	29,4	27,8	25,3	21,5	18	
CRXM 9/3	11,2	30	CRX 9/3	4,6	3	1,5	2	2,5		50	48,7	47,4	46,2	44,1	41,7	38	32,1	27	
			CRX 9/4	6,0	4	2,2	3	3,5		66,6	65,0	63,3	61,6	58,7	55,6	51,0	42,5	36	
			CRX 9/5	7,4	5	3	4	4,2		83,2	81,2	79,1	76,8	73,2	69,6	64,1	53,3	45	

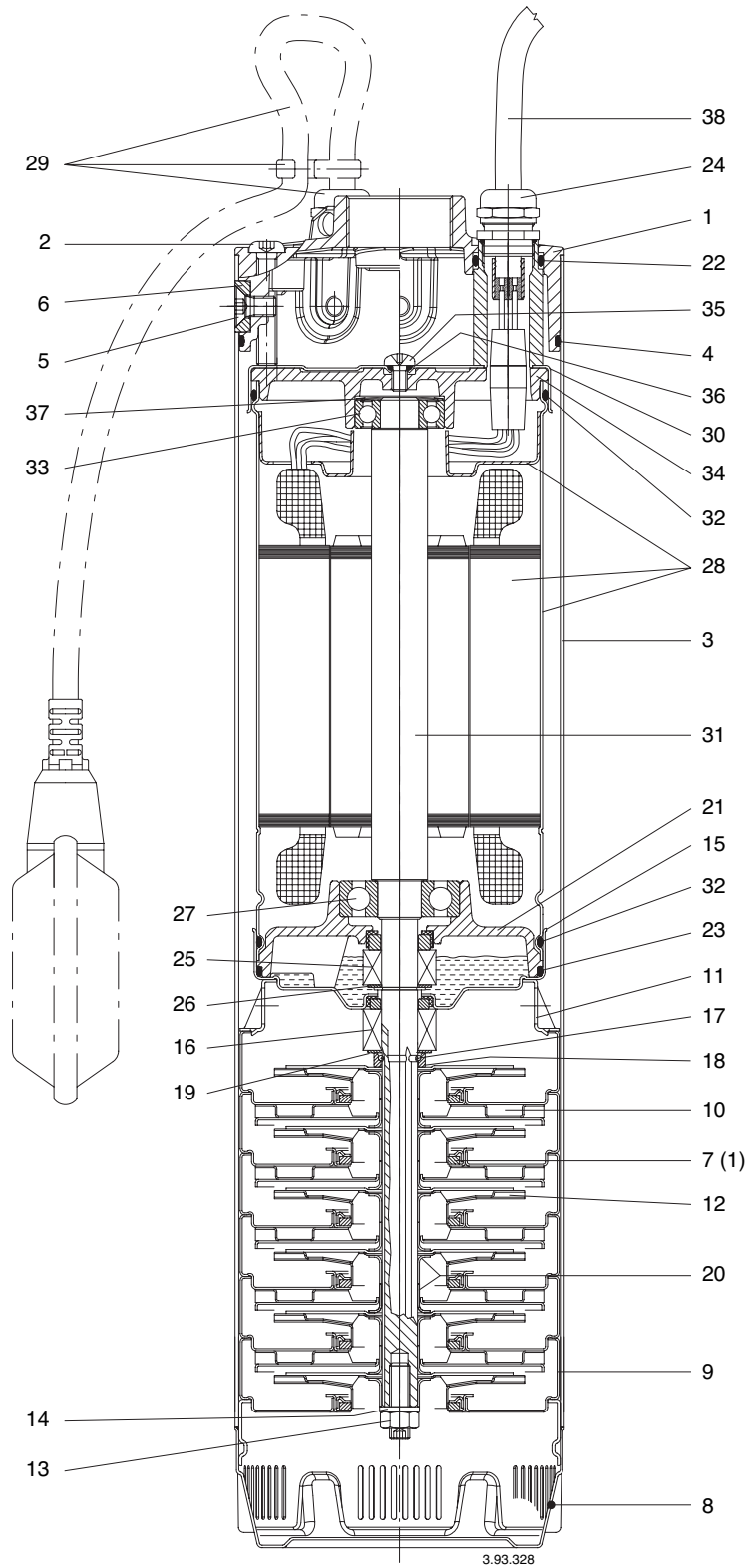
SINGLE-PHASE		THREE-PHASE	
H mm	kg	H mm	kg
474	16,5	474	15,5
504	19,5	504	17,5
-	-	584	20,5
-	-	614	22

P1 = Max. power input

The encumbered dimensions and weight are indicative.

CRX

Drawing for dismantling and assembly



COD.	DESCRIPTION
1	Delivery casing
2	Screw
3	External jacket
4	O-ring
5	Screw
6	Washer
7	Wear ring (1)
8	Suction strainer
9	First stage casing
10	Stage casing
11	Last stage casing
12	Impeller
13	Impeller nut
14	Washer
15	Oil chamber cover
16	Mechanical seal
17	Retaining ring, split
18	Shoulder ring
19	Spacer
20	Spacer sleeve

(1) Inserted in the stage casing,
cannot be supplied separately

COD.	DESCRIPTION
21	Motor cover, pump side
22	O-ring
23	O-ring
24	Cable gland
25	Upper mechanical seal
26	Circlip
27	Pump side bearing
28	Motor jacket with winding
29	Float switch
30	Jacket cover
31	Shaft with rotor packet
32	O-ring
33	Bearing
34	Motor end-shield, non-drive end
35	Screw
36	O-ring
37	Compensating spring
38	Cable

To order spare parts, please specify :
- description,
- reference number,
- pump type