



Submersible Motor Pump

Fields of Application

- General water supply
- Sprinkling systems, small irrigation systems
- Washing plants (floors, cars, etc.)
- Rain water utilisation
- Extraction of water from wells, reservoirs, cisterns

Medium Handled

Clean to turbid water not containing aggressive, abrasive or solid substances.

Operating Data

Capacity Q	up to 8 m ³ /h, 2.22 l/s
Discharge head H	up to 65 m
Temperature of medium handled t	up to 35 °C

Design

Fully or partly submerged multistage, close-coupled centrifugal pump (minimum immersion depth: 0.1 m), with low-level inlet and suction strainer with a max. mesh size of 2.5 mm.

Shaft Seals

Pump end: mechanical seal
Motor end: mechanical seal

Materials

Pump casing	Stainless steel
Stage casing	Stainless steel
Impeller	Stainless steel
Motor housing	Stainless steel
Shaft	Stainless steel
Mechanical seal on motor end	Steatite, carbon, NBR
Mechanical seal on pump end	Aluminium oxide, carbon, NBR
Lubricating oil	White oil (food and drug approved)

Drive

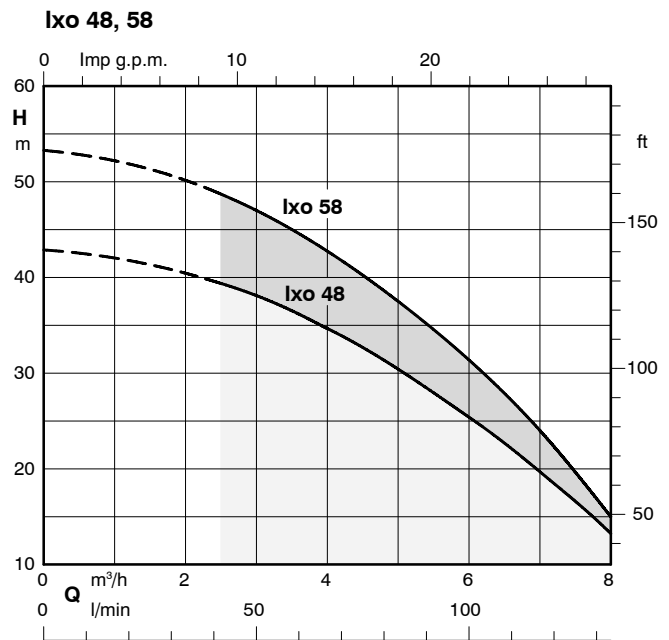
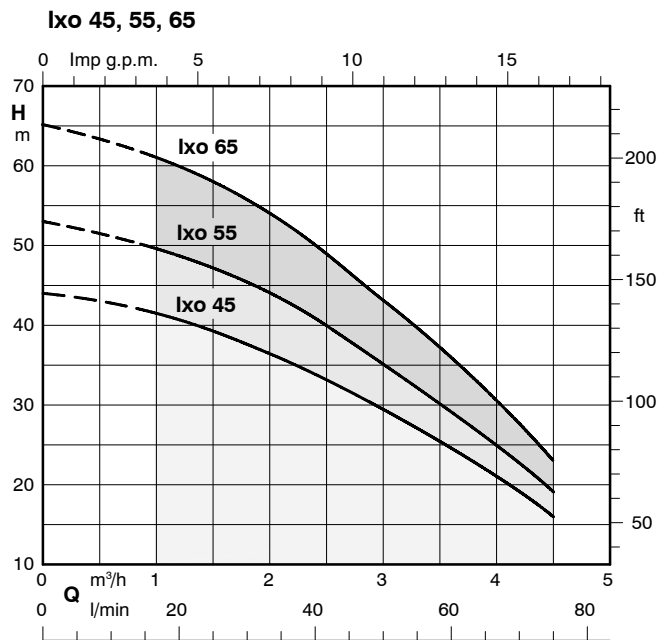
Jacket-cooled, single-phase a.c. motor with integrated thermal protection, 230 V, IP 68, including 23 m motor connection cable, starting device with capacitor and mains plug.
Jacket-cooled, three-phase motor, 400 V, IP 68, including 23 m connection cable.

Bearings

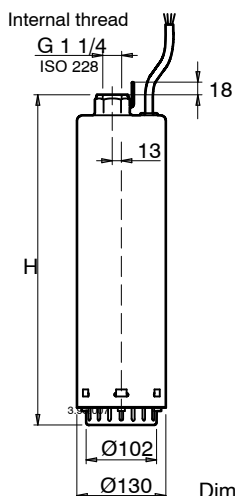
Grease-lubricated deep-groove ball bearings sealed for life.

Conformity Mark

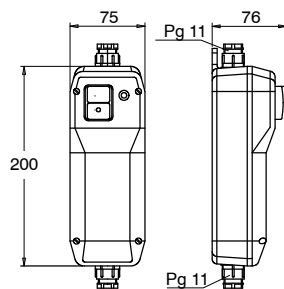
CE - meets the European standards.

Pump Characteristic Curve


Ixo	Number of stages	Iso 228	P ₁	P ₂	1~230 V	3~400 V	Capacitor		Cable H07 RNF m	Ident. No.	Weight kg
			kW	kW	A	A	μF	V			
45E	4	G 1 1/4	0.85	0.55	4	-	20	450	23	39 019 480	15.3
55E	5		1.1	0.75	5	-	20	450	23	39 019 481	16.4
65E	6		1.3	0.9	6	-	25	450	23	39 019 482	17.6
48E	4		1.3	0.9	6	-	25	450	23	39 019 483	16.8
58E	5		1.55	1.1	7	-	25	450	23	39 019 484	17.2
45D	4	G 1 1/4	0.85	0.55	-	1.6	-	-	23	39 019 485	14.3
55D	5		1.1	0.75	-	1.9	-	-	23	39 019 486	14.8
65D	6		1.3	0.9	-	2.2	-	-	23	39 019 487	16.1
48D	4		1.3	0.9	-	2.2	-	-	23	39 019 488	15.2
58D	5		1.55	1.1	-	2.6	-	-	23	39 019 489	15.7

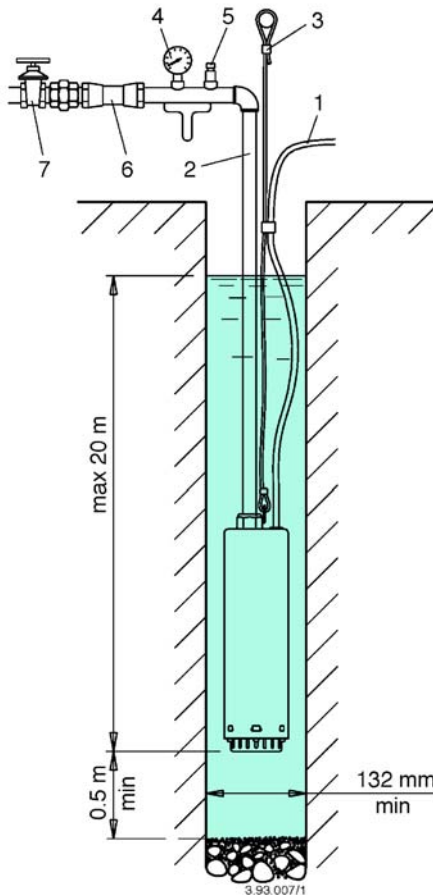
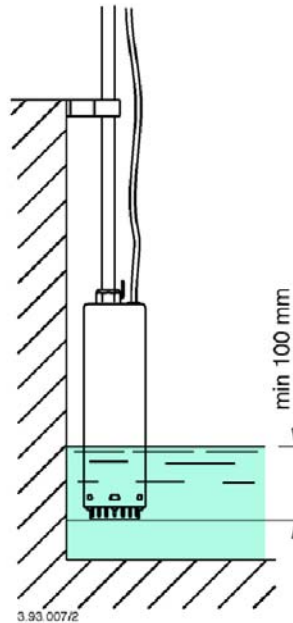
Dimensions


Starting device 0.4 kg for Ixo E



Pumps	H (mm)
Ixo 45 E/D	448
Ixo 55 E/D	472
Ixo 65 E/D	496
Ixo 48 E/D	448
Ixo 58 E/D	472

Dimensions in mm

Typical Installation
Pump suspended

Minimum immersion depth

Horizontal installation

Only possible for Ixo 45 and Ixo 48.
The pump must be fully submerged.

- 1 Power supply cable
- 1 Discharge line
- 3 Securing rope
- 4 Pressure gauge
- 5 Vent valve
- 6 Non-return valve
- 7 Gate valve

Pump Accessories

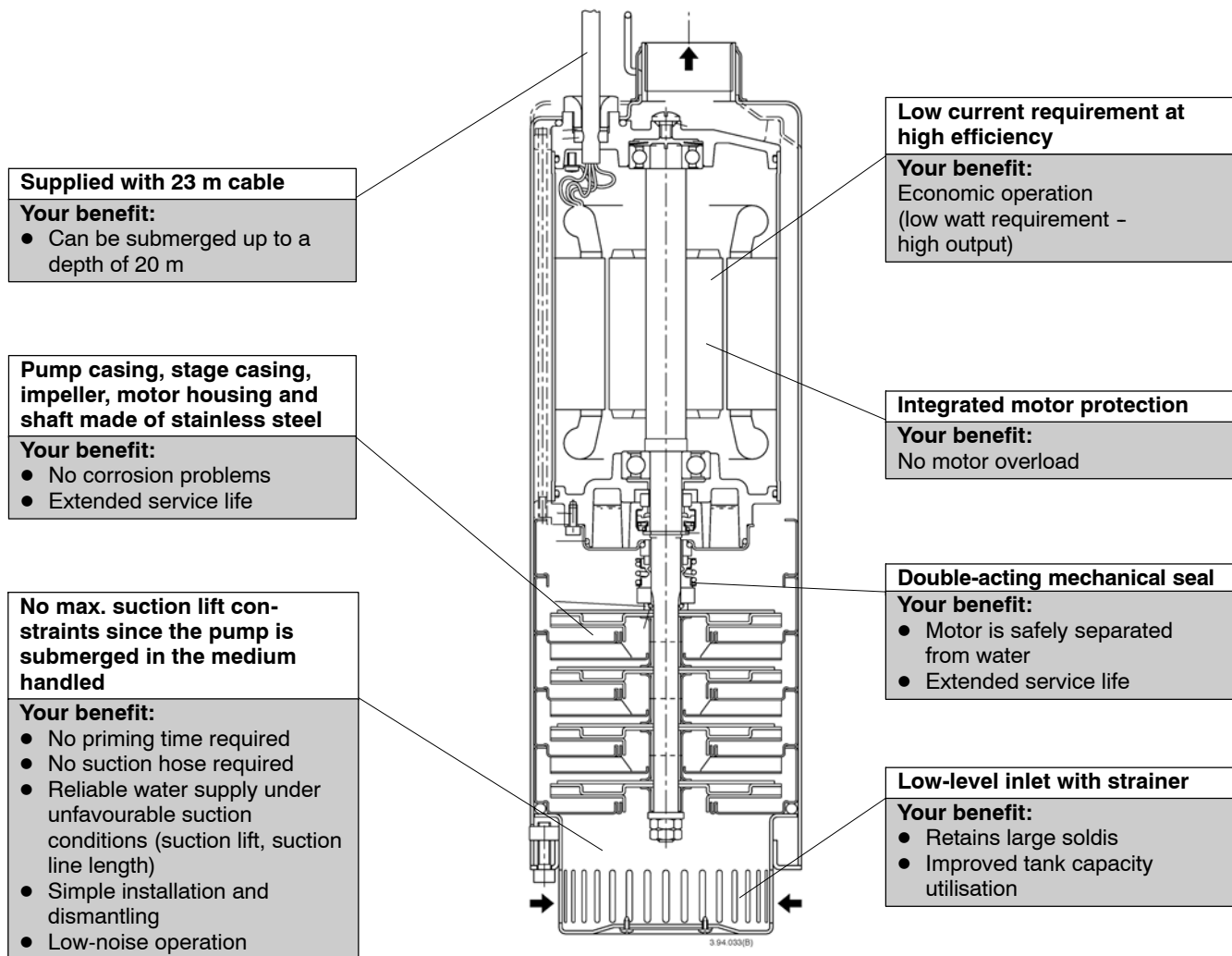
		≈kg
Stainless steel wire rope 15 m, with fastening elements	42 200 727	1.0
Fastening rope of nylon , 15 m	39 019 788	0.5
Non-return valve made of brass Double socket Rp 1 1/4, internal thread	01 041 318	0.5
Nipple joint made of brass R 1 1/4, external thread (required for direct connection between pump and non-return valve)	00 240 354	0.3
Reducing socket made of brass, Rp 1 1/4 x 1	01 063 985	0.3
Connection part made of brass External thread G 1 1/4 / internal thread G 1	39 019 530	0.5
Float switch for filling with shockproof adaptor plug (NC contact); circuit open when switch floats on top 230 V AC, 50 Hz, max. 8 A, (H 07 RN-F3G1)	3 m 5 m	11 037 759 11 037 760
Weight for float switch		0.6 0.9
		01 076 688
		0.3

Electric Accessories

E = only single-phase a.c. variant D = only three-phase variant	Ident. No.	≈ kg	
Steckmat safety switch 1~230 V, 10 A Fast shutdown within approx. 0.03 seconds even in the event of slight, harmless leakage currents as low as approx. 0.03 amp.	00 534 217	0.4	X
Cervomatic EDP.2 automatic control unit For description see Cervomatic EDP.2 type series booklet.	01 185 581	3.3	D
Controlmatic E automatic control unit For description see Controlmatic E type series booklet.	90 053 395	1.3	E
Mains water back-up equipment consisting of:			
Float switch and switching plug	cable length 10 m 40 981 828	1.4	X
	cable length 20 m 40 981 043	2.6	X
Solenoid valve with 3 m cable and shockproof plug	R 1/2 40 981 618	2.3	X
	R 1 42 207 828	3.0	X
	R 2 19 071 879	4.5	X

Product Features

to Our Customers' Benefit



Subject to technical modifications without prior notice.

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