

Application

The submersible pumps of this range UB 62-251 can be used wherever rain-, ground-, leak-, drainage- or sewage water with impurity of up to 10 mm particle size occurs.

The main application are on building sites, like structural and civil engineering, sewage-construction and building mines. They can also be used for taking water out of rivers and reservoirs as well as for filling and emptying containers. The standard fix-coupling makes a quick connection of the pressure tube possible.

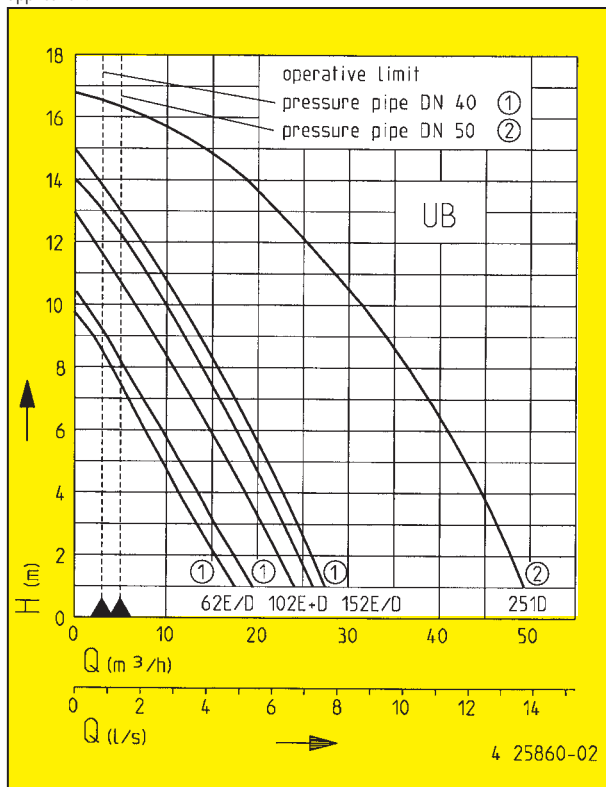
The pumps are exclusively to use under portable conditions. A controllable oil chamber and wear-resistant special mechanical seal ensure a long service life.

They must not be used for pumping sewage from lavatories and urinals.

The pumps are delivered completely with lead and plug. The CEE-plug of the three-phase pumps has an integrated phase inverter which facilitates the employment.



The minimum flow velocity in the pressure piping must be 0,7 m/s according to EN 12056. This data is represented in the performance curve as a limit of application.



- ▶ Safe to run dry
- ▶ Portable
- ▶ Integrated fix-coupling
- ▶ 10 mm passage
- ▶ Controllable oil chamber
- ▶ SiC mechanical seal independent of rotation direction
- ▶ Moisture sealed cable inlet



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 tolerances.

Submersible pumps for building sites UB 62-251

Type	Height x Width x Length	Discharge branch C-Coupling	Free passage	Cable quality H07RN-F	Cable	Weight	Code No.
Pumps wit level control							
UB 62 ES	380 x 180 x 305 mm	DN 40	10 mm	3G1,0	10 m	13,5 kg	09818
UB 62 DS*	380 x 180 x 305 mm	DN 40	10 mm	4G1,0	10 m	14,0 kg	09819
UB 102 ES	410 x 180 x 305 mm	DN 40	10 mm	3G1,0	10 m	15,5 kg	09283
UB 102 DS*	410 x 180 x 305 mm	DN 40	10 mm	4G1,0	10 m	16,0 kg	00534
UB 152 ES	435 x 180 x 305 mm	DN 40	10 mm	3G1,0	10 m	18,0 kg	09439
UB 152 DS**	435 x 180 x 305 mm	DN 40	10 mm	4G1,0	10 m	19,5 kg	09440
UB 251 DS*	360 x 220 x 410 mm	DN 50	10 mm	6G1,5	10 m	30,5 kg	09298

* CEE with phase inverter ** CEE-Motorprotection with phase inverter

Performance

Type	Delivery head H [m]	1	2	3	4	5	6	7	8	9	10	11	12	13	14	16
UB 62 ES	Flow rate Q [m ³ /h]	17	15	13	11	9	8	6	4	2						
UB 62 DS		19	18	15	13	11	9	8	6	4						
UB 102 ES/DS		24	22	21	19	17	15	13	11	9	7	5	2			
UB 152 ES		26	24	23	21	19	17	16	14	11	9	7	5	2		
UB 152 DS		27	25	24	22	20	19	17	15	13	11	9	7	5	2	
UB 251 DS		49	48	46	45	43	41	39	37	34	32	28	26	22	19	10

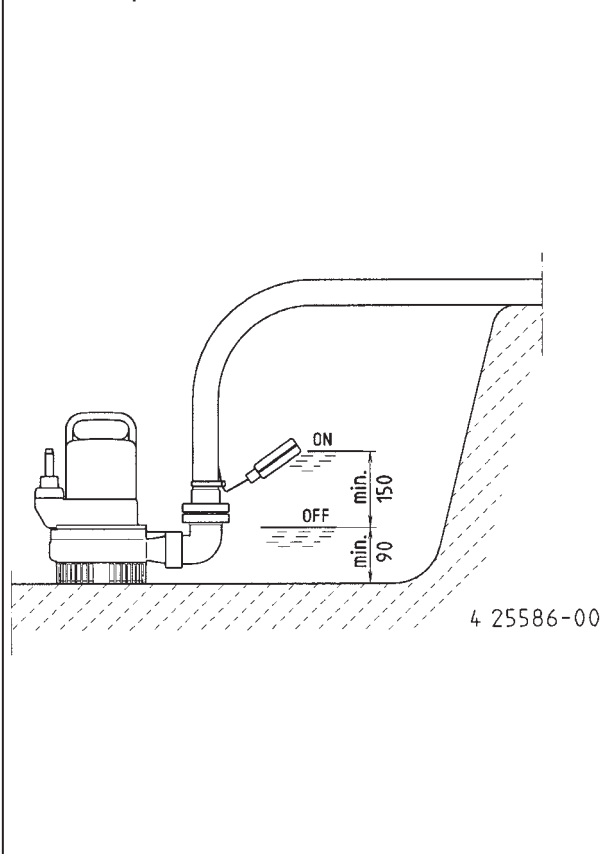
Electrical data

Type	Type of current	Voltage Volt	Motor rating kW		RPM min ⁻¹	F.L.C. Amp.	Motorprotection	Plug
			P ₁	P ₂				
UB 62 ES	1- phase	1/N/PE~230	0,83	0,50	2510	3,9	in motor	Safety
UB 62 DS	3- phase	3/PE~400	0,85	0,60	2800	1,4	in motor	CEE-
UB 102 ES	1- phase	1/N/PE~230	1,37	0,98	2700	6,0	in motor	Safety-
UB 102 DS	3- phase	3/PE~400	1,36	1,06	2740	2,4	in motor	CEE-
UB 152 ES	1- phase	1/N/PE~230	1,60	1,21	2814	7,5	in motor and plug	Safety-
UB 152 DS	3- phase	3/PE~400	1,70	1,41	2815	3,1	in motor and plug	CEE-
UB 251 DS	3- phase	3/N/PE~400	2,60	2,10	2860	4,4	in motor and plug	CEE-

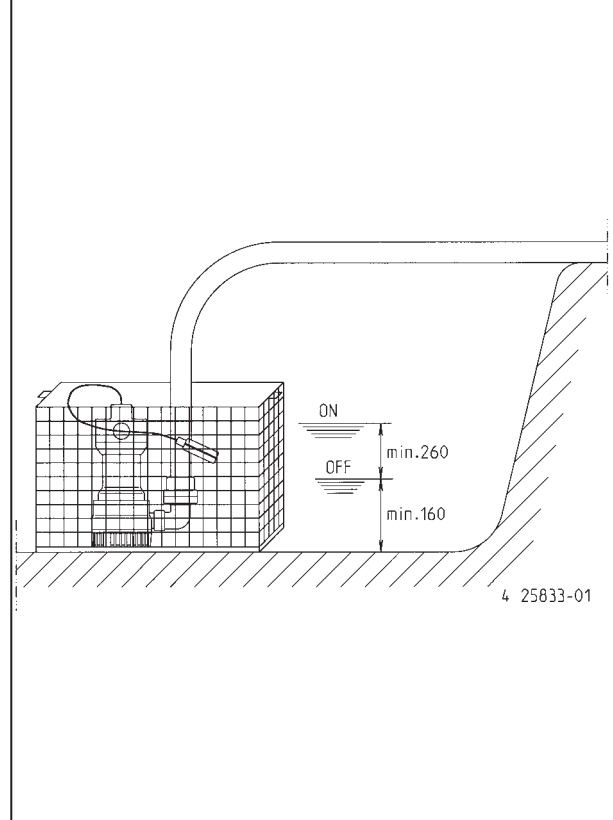
■ Accessories UB 62-251

	Code Nr.	62 ES	62 DS	102 ES	102 DS	152 ES	152 DS	251 DS
Fully synthetic flexible hose 52 mm, 15,0 m long, with solid fire hose couplings size C	00336	●	●	●	●	●	●	●
Antikink for flexible hose	25707	●	●	●	●	●	●	●
Carrying cage , zinc coated L 615 x W 455 x H 400 (mm)	25706	●	●	●	●	●	●	●
Tool for hose coupling	25708	●	●	●	●	●	●	●
Chain with rings, DIN 766, 2,5 m, 320 kg	19189	●	●	●	●	●	●	●
Shackle A 0,6	13402	●	●	●	●	●	●	●

■ Example of installation UB 251 DS



■ Example of installation with carrying cage UB 62-152



Technical data

Pump

Vertical, single-stage, submersible, spiral casing with horizontal discharge with stationary coupling C, open vortex impeller, 10 mm passage.

Bearing

Common shaft for pump and motor, with ball bearings, deep groove ball bearing with grease chamber, (from UB 251 onwards angular ball bearing).

Seal

Silicon carbide mechanical seal, oil chamber and duplex rotary shaft seal towards the motor section, safe to run dry, a seal leak control can be connected.

Motor

Submersible, motor type of enclosure IP 68, insulation class B or F (UB 251), winding thermostat protects the motor from overload, starting via plug, automatically via mounted circuit or rather submersible ball contact switch, continuously variable switch points.

Materials

Spiral housing made of GG grey cast iron, supply through rubber insulated flexible cable.

UB 62, UB 102 and UB 152: terminal board cover, impeller, wear plate and foot strainer made of GFK, motor casing and shaft from stainless steel.

UB 251: motor housing and cable inlet made of GRP, rubber coated wear plate, shaft made of C 45 steel encapsulated, open vortex impeller and foot strainer made of GFK.

Installation

Install pump vertically, hose connection size C is provided.

Supply

Pump acc. to EN 12050 ready for connection with cable and safety-plug (1-phase) or CEE-plug with phase inverter (3-phase).

