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submersible DRAINAGE pumps (for clear or slightly dirty water)

Submersible DRAINAGE pumps for professional use. Built using oversized quality materials, extremely reliable and suitable for continuous heavy duty service (for clear or slightly dirty water).



PERFORMANCE RANGE

Flow rate up to 325 l/min (19.5 m³/h)
Dynamic head up to 21 m

OPERATING LIMITS

Maximum operating depth 5 m below water level
Fluid temperature up to + 50°C
Maximum passage for suspended solids Ø 10 mm
Maximum emptying level 15 mm from the bottom

CONSTRUCTION AND SAFETY STANDARDS:

EN 60 335-1
IEC 335-1
CEI 61-150

EN 60034-1
IEC 34-1
CEI 2-3



PUMP INSTALLATION AND APPLICATIONS

THESE PUMPS ARE DESIGNED FOR LIFTING CLEAN OR SLIGHTLY DIRTY WATER. THEY ARE PARTICULARLY SUITED FOR DOMESTIC, CIVIL AND PROFESSIONAL USE, TO EMPTY FLOODED BASEMENTS, GARAGES, ETC., AS WELL AS SWIMMING POOLS AND TANKS AND THE DISPOSAL OF NON SEWAGE REFLUENT WATER. THESE PUMPS ARE EASY TO INSTALL AND RELIABLE WHEN USED AUTOMATICALLY IN FIXED INSTALLATIONS. A purpose built pit with minimum dimensions 500x500x500h mm is recommended for fixed installations.

WARRANTY: 1 YEAR

(according to our general sales conditions).

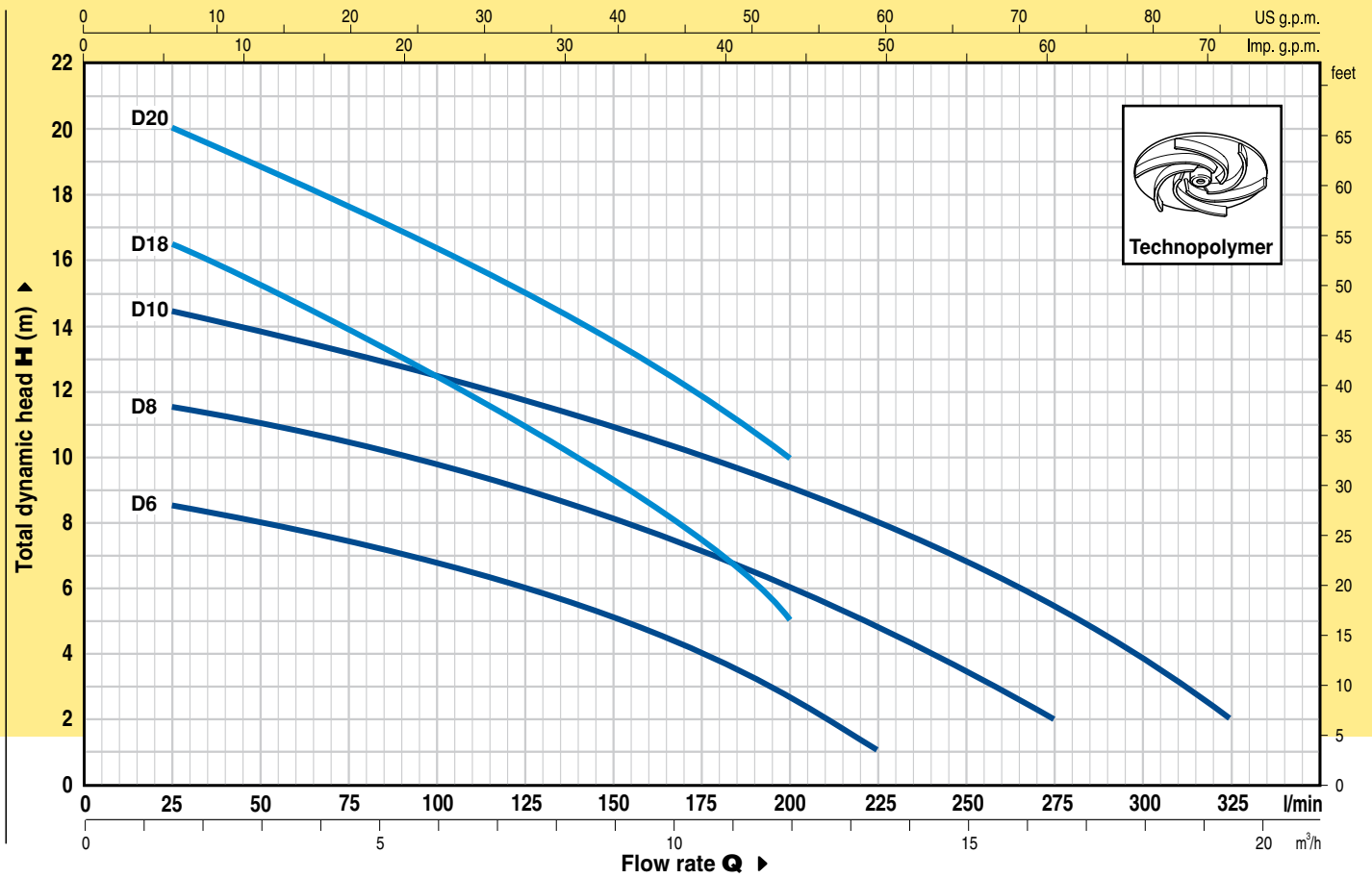
STRUCTURAL CHARACTERISTICS

- **PUMP BODY:** cast iron, with UNI ISO 228/1 1 1/2" gas threaded delivery opening.
- **MOTOR SLEEVE:** AISI 304 stainless steel.
- **SUCTION STRAINER:** AISI 304 stainless steel, providing the support base for the pump.
- **IMPELLER:** Technopolymer, open type.
- **MOTOR SHAFT:** AISI 430F stainless steel.
- **DOUBLE MECHANICAL SEAL:** silicon carbide/silicon carbide on the pump side and sealing ring on the motor side (with barrier oil chamber to lubricate and cool the sealing surfaces in the absence of water).
- **MOTOR:** sealed induction with double impregnated class F winding (ensuring extended motor life and wide range of use), designed for continuous duty, **even with the pump partially submerged (min. 190 mm)**. The thermal cutout relay (motor protector) is incorporated in single phase models.
- **PROTECTION:** IP 68.
- **SUPPLY CABLE:** "H07 RN-F" neoprene submersible. Supplied standard with 5 meters of cable, and SCHUKO plug on single phase versions.
- **EXTERNAL FLOAT SWITCH:** standard equipment.

SPECIAL FEATURES ON REQUEST:

⇒ 10 meters supply cable, for pumps intended for outdoor use, length compulsory according to EN 60335-2-41

PERFORMANCE CHART AT n= 2900 1/min

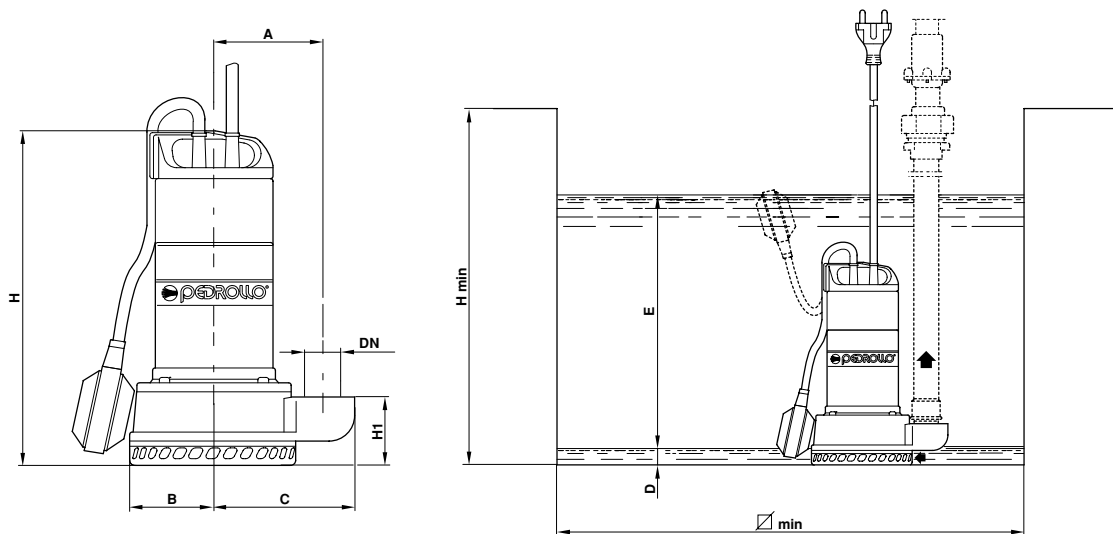


PERFORMANCE DATA AT n= 2900 1/min

PUMP MODEL		POWER		Q m³/h l/min	H (m)																		
Single phase	Three phase	kW	HP		0	1.5	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5					
				0	25	50	75	100	125	150	175	200	225	250	275	300	325						
Dm 6	—	0.45	0.60	9	8.5	8	7.5	6.8	6	5.2	4	2.6	1										
Dm 8	—	0.60	0.85	12	11.5	11	10.5	9.8	9	8.2	7.2	6	4.8	3.5	2								
Dm 10	D 10	0.75	1	15	14.5	14	13.2	12.5	11.8	11	10	9	8	6.8	5.4	4	2						
Dm 18	—	0.60	0.85	17	16.5	15	13.5	12	10.7	9.2	7.7	5											
Dm 20	D 20	0.75	1	21	20	19	17.5	16	15	13.5	12	10											

Q = FLOW RATE H = TOTAL DYNAMIC HEAD IN METERS

Curve tolerance according to ISO 2548.



DIMENSIONS

PUMP MODEL		DN	DIMENSIONS mm								
Single phase	Three phase		A	B	C	H	H1	D min	E	H min	∅ min
Dm 6	—	1 1/2"	105	81	136	320	66	15	Adjustable	500	500
Dm 8	—	1 1/2"	105	81	136	320	66	15	Adjustable	500	500
Dm 10	D 10	1 1/2"	105	81	136	320	66	15	Adjustable	500	500
Dm 18	—	1 1/2"	105	81	136	320	66	15	Adjustable	500	500
Dm 20	D 20	1 1/2"	105	81	136	320	66	15	Adjustable	500	500