



## submersible DRAINAGE pumps (for clear or slightly dirty water)

**Submersible DRAINAGE pumps for professional use. Built using quality materials, oversized, 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 m<sup>3</sup>/h)  
Dynamic head up to 21 m

### OPERATING LIMITS

Maximum operating depth 10 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 INDUSTRIAL USE, TO EMPTY FLOODED BASEMENTS, GARAGES AND TANKS AND THE DISPOSAL OF NON SEWAGE REFLUENT WATER. THESE PUMPS ARE PARTICULARLY STURDY, EASY TO INSTALL AND DEPENDABLE 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

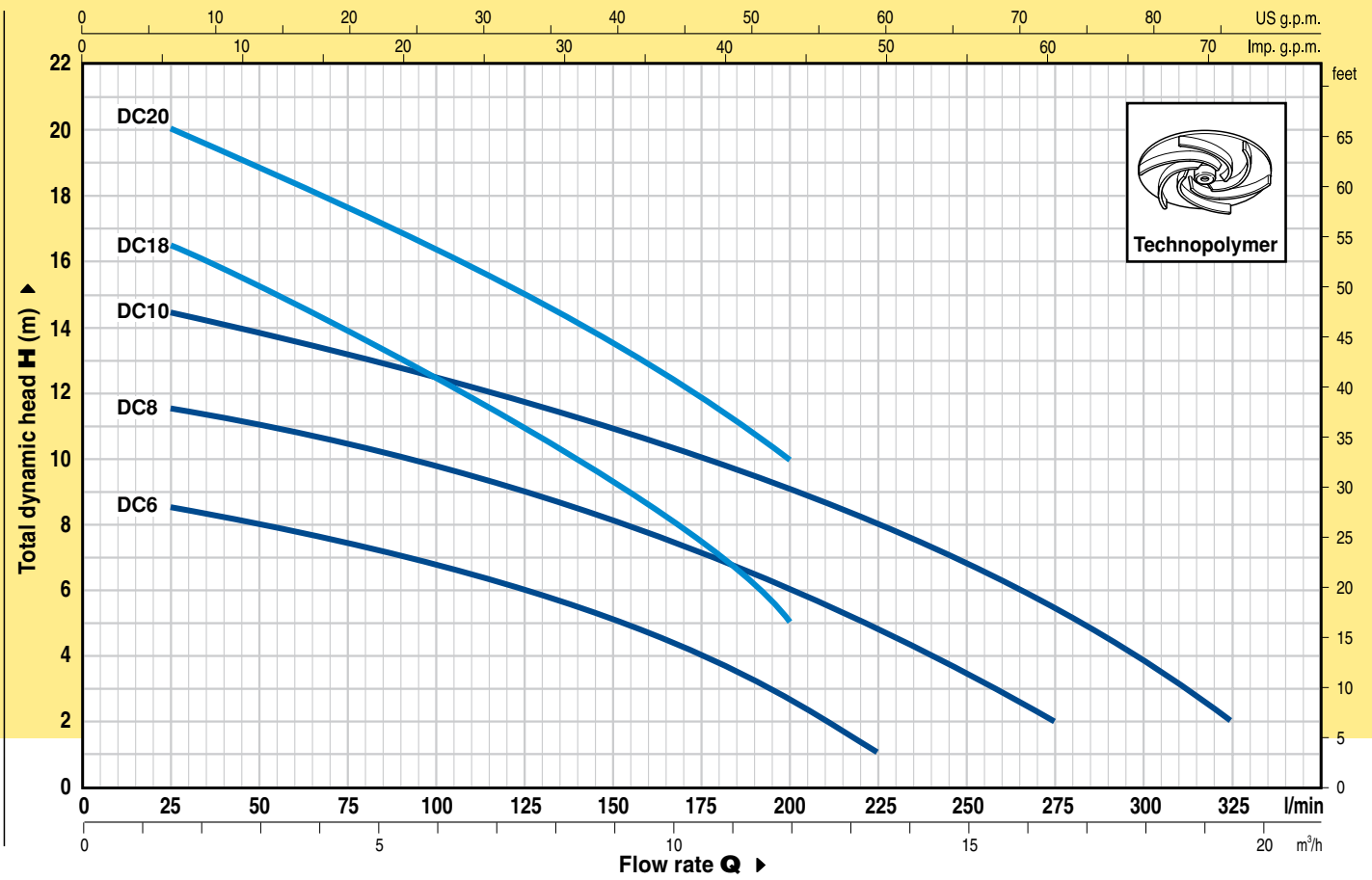
- **DELIVERY BODY:** cast iron, with UNI ISO 228/1 1 1/2" gas threaded delivery opening.
- **MOTOR CASING:** cast iron.
- **SUCTION STRAINER:** AISI 304 stainless steel.
- **IMPELLER:** Technopolymer.
- **MOTOR SHAFT:** AISI 430F stainless steel.
- **DOUBLE MECHANICAL SEAL:** carbon/alumina on the pump 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.
- **CONTROL BOX:** with capacitor for single phase versions. Protection IP64.
- **PROTECTION:** IP 68.
- **SUPPLY CABLE:** "H07 RN-F" neoprene submersible. Supplied standard with 5 meters of cable, and SCHUKO plug.
- **EXTERNAL FLOAT SWITCH:** for single phase versions.

### SPECIAL FEATURES ON REQUEST:

- ⇒ 10 meters supply cable, for pumps intended for outdoor use, length compulsory according to EN 60335-2-41.
- ⇒ mechanical seal: silicon carbide/silicon carbide.



## PERFORMANCE CHART AT n= 2900 1/min

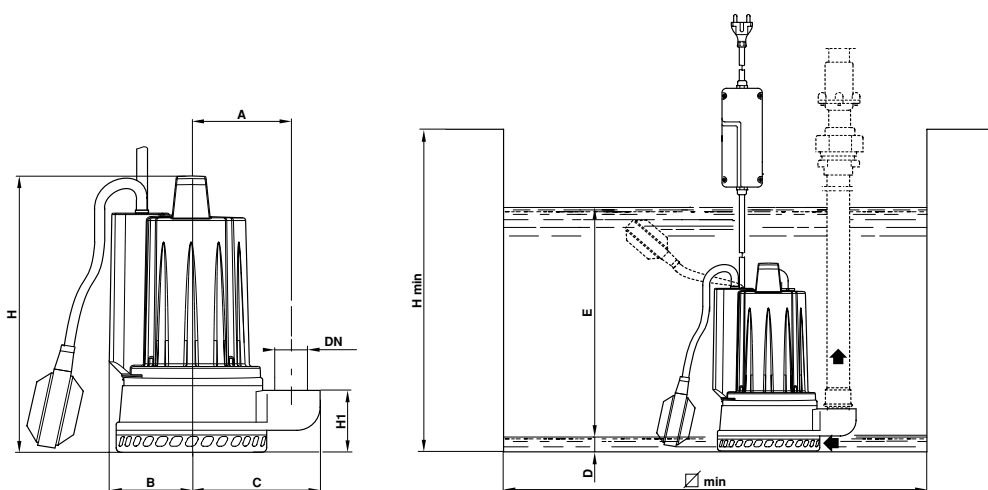


## PERFORMANCE DATA AT n= 2900 1/min

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
DCm 6	—	0.45	0.60	9	8.5	8	7.5	6.8	6	5.2	4	2.6	1					
DCm 8	—	0.60	0.85	12	11.5	11	10.5	9.8	9	8.2	7.2	6	4.8	3.5	2			
DCm 10	DC 10	0.75	1	15	14.5	14	13.2	12.5	11.8	11	10	9	8	6.8	5.4	4	2	
DCm 18	—	0.60	0.85	17	16.5	15	13.5	12	10.7	9.2	7.7	5						
DCm 20	DC 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
DCm 6	—	1 1/2"	105	90	136	285	66	15	Adjustable	500	500
DCm 8	—	1 1/2"	105	90	136	285	66	15	Adjustable	500	500
DCm 10	DC 10	1 1/2"	105	90	136	285	66	15	Adjustable	500	500
DCm 18	—	1 1/2"	105	90	136	285	66	15	Adjustable	500	500
DCm 20	DC 20	1 1/2"	105	90	136	285	66	15	Adjustable	500	500