DC DRAINAGE submersible electropumps

for clear or slightly dirty waters

DRAINAGE submersible pumps in cast iron, particularly robust and reliable. Indicated in fixed installations

RANGE OF PERFORMANCE

Flow rate up to 400 l/min (24 m³/h)
Head up to 27 m

LIMITS OF USE

Depth of use up to 10 m
Liquid temperature up to + 40°C
Passage of suspended solid bodies up to Ø 10 mm
Drainage level up to 15 mm from the bottom
For continuous duty: minimum immersion 210 mm

EXECUTION AND SAFETY STANDARDS

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

CE

USES AND INSTALLATIONS

DC SUBMERSIBLE PUMPS, MADE OF EXCEPTIONALLY STURDY HEAVY-GAUGE CAST IRON, RESISTANT TO ABRASION AND LONG-LASTING, ARE RECOMMENDED FOR DRAINING CLEAR OR SLIGHTLY DIRTY WATERS, FOR DISPOSING OF NON-SEWAGE WASTE WATERS ; THEY ARE OUTSTANDING FOR THEIR STURDINESS AND THEIR RELIABILITY IN FIXED INSTALLATIONS WITH AUTOMATIC OPERATION .

GUARANTEE 1 YEAR **subject to our general terms of sale.**

CONSTRUCTION CHARACTERISTICS

- **PUMP BODY: cast iron**, with threaded inlet ISO 228/1.
- **MOTOR CASING: cast iron.**
- **SUCTION GRID**: **stainless steel AISI 304.**
- **IMPELLER: cast iron.**
- **MOTOR SHAFT**: **stainless steel EN 10088-3 - 1.4104.**
- **DOUBLE MECHANICAL SEAL: carburundum - NBR** pump side and sealing ring on motor side (with interposed oil barrier chamber for lubricating and cooling the seal surfaces in case of lack of water).
- **MOTOR**: submersible asynchronous for continuous duty.
  DCm: single-phase 220÷240 V - 50 Hz with thermal overload protector built into the winding .
  DC: three-phase 380÷415 V - 50 Hz.
- **INSULATION:** class F. ● **PROTECTION:** IP 68.

THE ELECTROPUMPS ARE COMPLETE WITH:

DCm (single-phase) Float switch.
Neoprene power cable "H07 RN-F"
length **10 metres with** Schuko plug.
Electric panel with condenser.

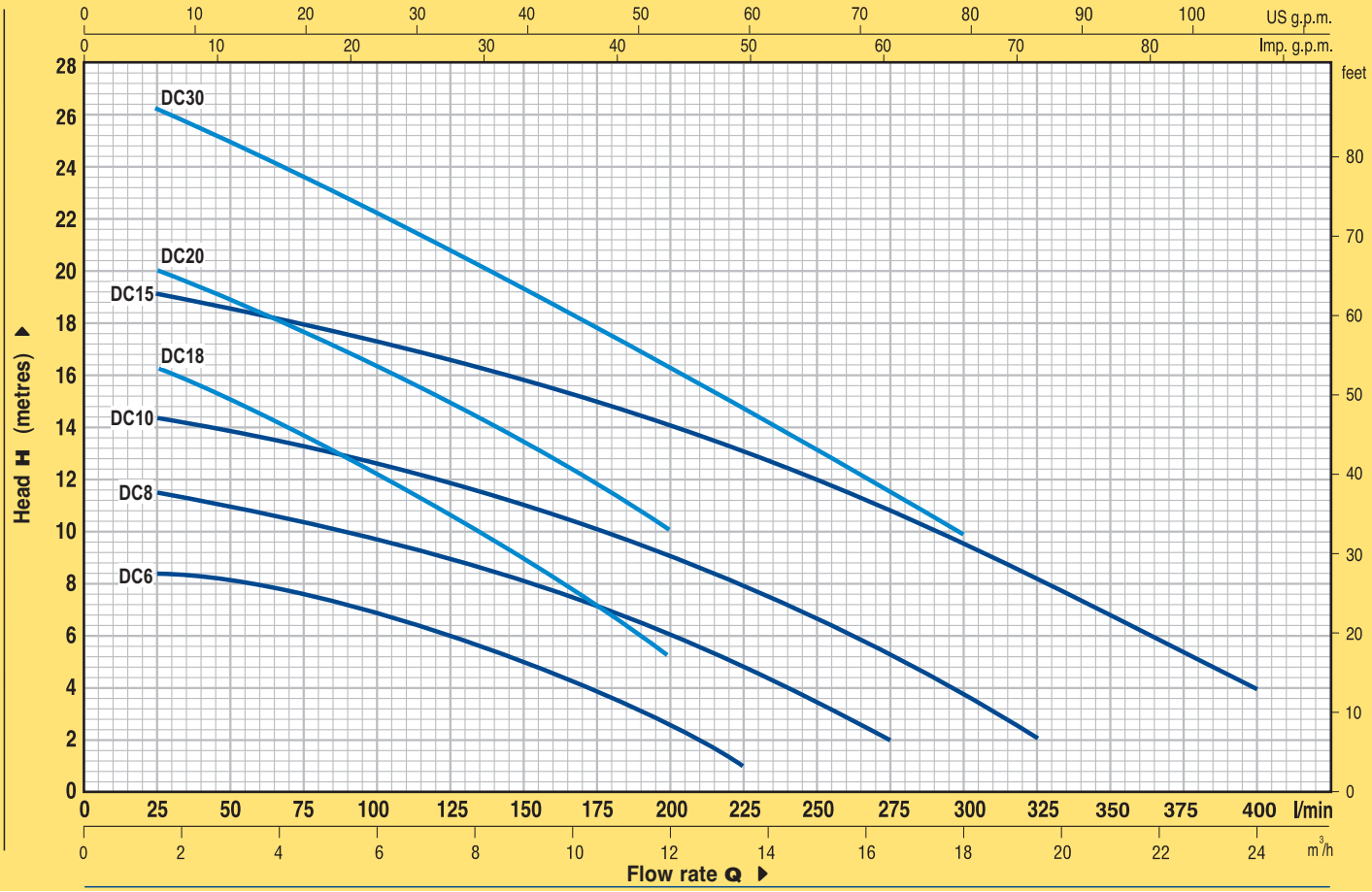
DC (three-phase) Neoprene power cable "H07 RN-F"
length **10 metres**.

EXECUTIONS ON REQUEST

⇒ electric panel for three-phase electropumps 1.1 kW
⇒ single-phase electropumps without float switch
⇒ other voltages or frequency 60 Hz

PEDROLLO® ... the spring of life

CURVES AND PERFORMANCE DATA AT n= 2900 1/min

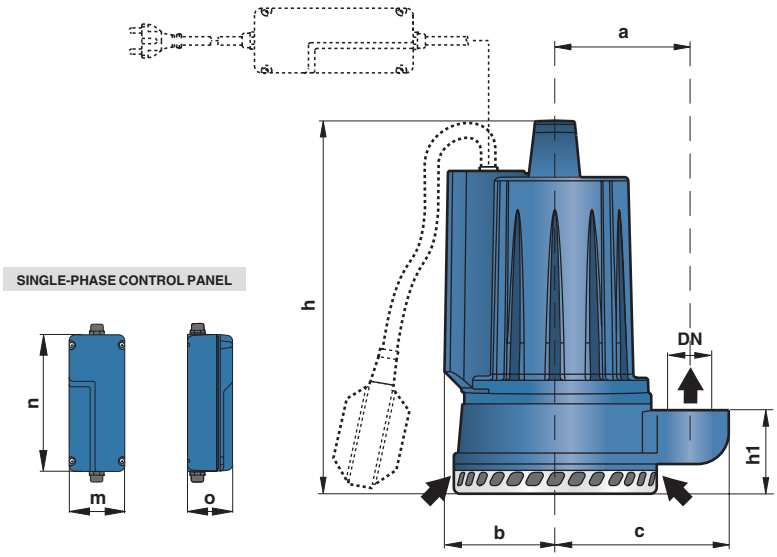


TYPE		POWER		Q																
Single-phase	Three-phase	kW	HP	m³/h	0	1.5	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	24.0
				l/min	**0**	**25**	**50**	**75**	**100**	**125**	**150**	**175**	**200**	**225**	**250**	**275**	**300**	**325**	**350**	**400**
DCm 6	—	0.45	0.60		9	8.5	8	7.5	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	3.5	2		
DCm 15	**DC 15**	1.1	1.5	**H** metres	19.5	19	18.5	18	17.5	16.5	16	15	14	13	11.8	10.5	9.2	8	7	4
DCm 18	—	0.6	0.85		17	16.5	15	13.5	12	10.7	9	7.7	5							
DCm 20	**DC 20**	0.75	1		21	20	19	17.5	16	15	13.5	12	10							
DCm 30	**DC 30**	1.1	1.5		27	26	25	23.5	22	21	19.5	18	16	14.5	13	11.5	10			

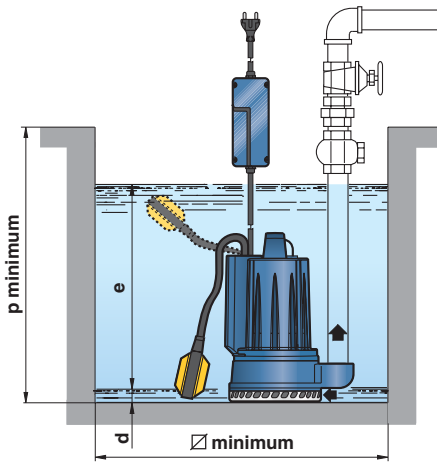
Q = Flow rate **H** = Total manometric head

Tolerance of the performance curves according to EN ISO 9906 App. A.

DIMENSIONS AND WEIGHTS



Typical single-phase installation



TYPE		INLET	DIMENSIONS mm												kg	
Single-phase	Three-phase	DN	a	b	c	h	h1	m	n	o	d	e	p	⍁	1~	3~
DCm 6	—														14.8	-
DCm 8	—		105		136	285	66								16.1	-
DCm 10	**DC10**														17.1	16.1
DCm 15	**DC15**	1 1/2"	110	90	140	310	80	81	200	66	15	adjustable	500	500	19.3	18.2
DCm 18	—		105		136	285	66								16.1	-
DCm 20	**DC 20**														17.1	16.1
DCm 30	**DC 30**		110		140	310	80								19.3	18.2