

TOP FLOOR

submersible DRAINAGE pumps (for clear water)

These pumps, already known for the innovative design and advanced technology, has now a further robustness thanks to the substitution of the aluminium motor casing with stainless steel one.

The hydraulic performance improves remarkably as a result of a new fluid dynamic design. The efficiency has improved and consequently the flow rate by an average of 30%.

Particularly designed for emergency situations to drain small flooded areas down to 2 mm from the floor.



PERFORMANCE RANGE

Flow rate up to 220 l/min (13.2 m³/h)
Dynamic head up to 9 m

OPERATING LIMITS

Maximum operating depth 3 m below water level
Maximum fluid temperature + 40°C
Maximum passage for suspended solids Ø 5 mm
Maximum emptying level 2 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

TOP FLOOR PUMPS ARE SUITABLE FOR LIFTING CLEAR OR SLIGHTLY DIRTY WATER NOT CONTAINING ABRASIVE SUBSTANCES. THESE PUMPS HAVE BEEN DESIGNED FOR EASY USE AND ARE EXTREMELY RELIABLE EVEN WHEN SUBJECTED TO CONTINUOUS USE, SINCE THE MOTOR IS FULLY COOLED AND HAS AN AMPLE RESERVE OF POWER PLUS A DOUBLE MECHANICAL SEAL.

THANKS TO THE CAPACITY TO DRAIN WATER DOWN TO 2 mm, THESE PUMPS ARE SUITABLE FOR DOMESTIC EMERGENCY USE FOR SMALL FLOODED AREAS AND FOR ALL THOSE APPLICATIONS WHERE MAXIMUM DRAINAGE POTENTIAL IS REQUESTED.

WARRANTY: 1 YEAR

(according to our general sales conditions).

STRUCTURAL CHARACTERISTICS

- **DELIVERY BODY AND SUCTION STRAINER:** made from fiberglass reinforced **technopolymer**, particularly resistant to mechanical stress, knocks and corrosion, fitted with UNI ISO 228/1 1" or 1 1/4" gas threaded vertical delivery opening.
- **HOSE JOINT:** **technopolymer**.
- **IMPELLER:** "General Electric" Noryl® **technopolymer** open type.
- **MOTOR CASING:** pressed **AISI 304 stainless steel**.
- **MOTOR SHAFT:** **AISI 416 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, suitable for continuous duty with built-in thermal cutout relay (motor protector). **INSULATION Class F** (provides the motor with a considerable overload tolerance and substantially increases the service life of the motor itself). Cooling of motor assured by the liquid in which the pump is immersed.
- **PROTECTION:** IP 68.
- **SUPPLY CABLE:** "H05 RN-F" neoprene submersible. Supplied standard with 5 meters of cable and SCHUKO plug.
- **REGISTERED MODEL n° 72765**

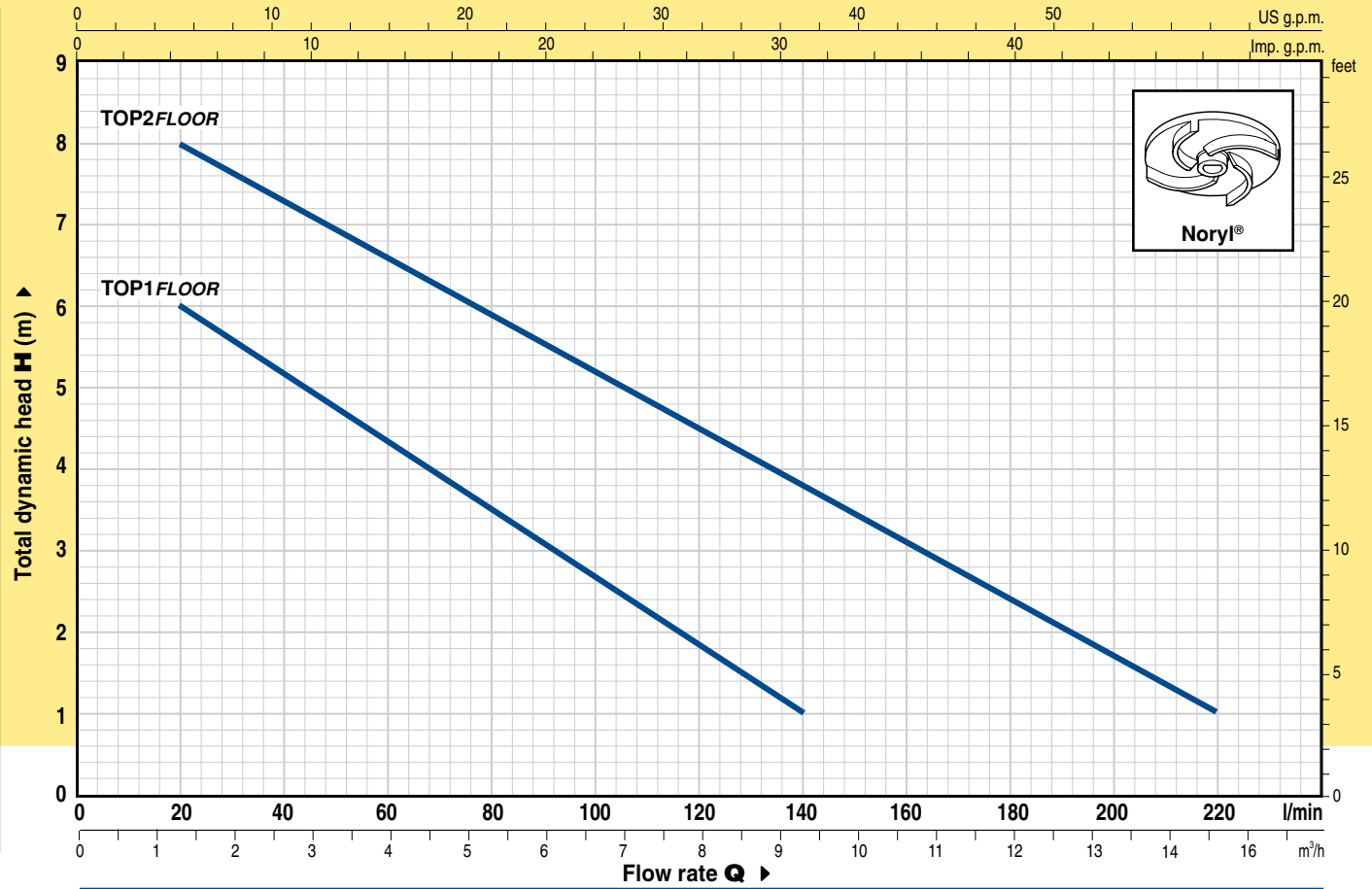
SPECIAL FEATURES ON REQUEST:

⇒ external float switch

⇒ 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

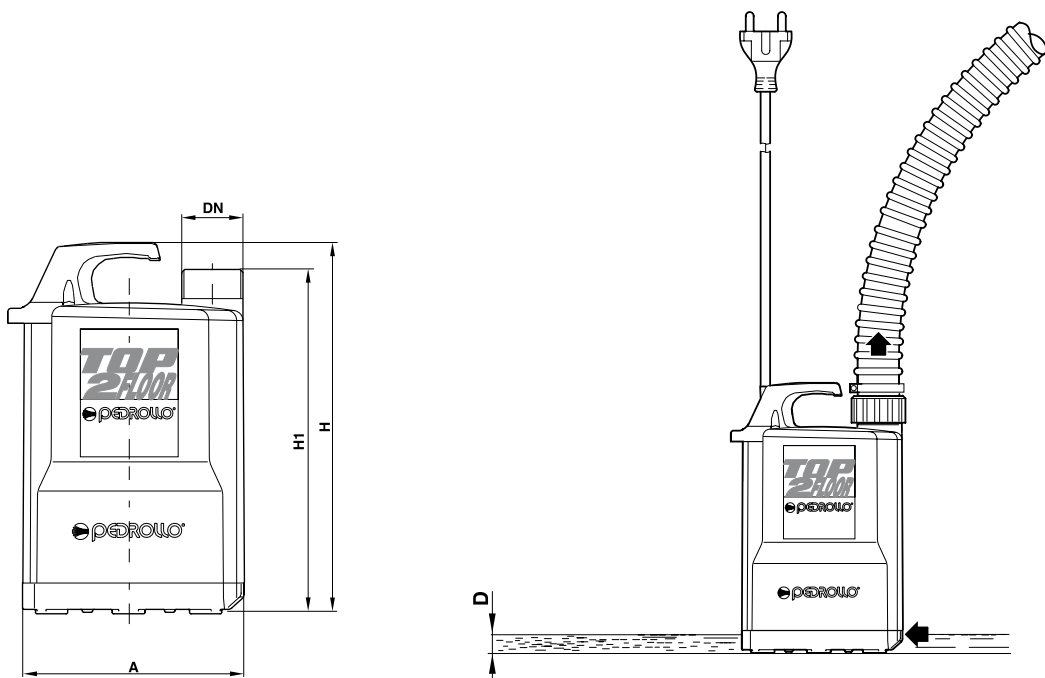


PERFORMANCE DATA AT n= 2900 1/min

PUMP MODEL	POWER		Q m³/h l/min	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12	13.2
	kW	HP		0	20	40	60	80	100	120	140	160	180	200	220
Single phase															
TOP1 FLOOR	0.25	0.33	H (m)	7	6	5.5	4.5	3.5	2.5	2	1				
TOP2 FLOOR	0.37	0.50		9	8	7.5	6.5	6	5.5	4.5	4	3	2.5	1.8	1

Q = FLOW RATE H = TOTAL DYNAMIC HEAD IN METERS

Curve tolerance according to ISO 2548.



DIMENSIONS

PUMP MODEL	DN	DIMENSIONS mm			
		A	H	H1	D min
Single phase					
TOP1 FLOOR	1"	152	234	217	2
TOP2 FLOOR	1 1/4"	152	254	237	2