

DIGGER SERIES

SUBMERSIBLE PUMPS FOR CONTRACTORS

Submersible pumps for dirty water containing large quantities of sand.

Head up to 14 m and delivery up to 300 l/min. (18 m³/h).

Liquid end made of abrasion-resistant polyurethane technopolymer.

APPLICATIONS

- Draining of building yards.
- Draining of sumps not containing large suspended solids.
- Industrial pumping of liquids containing abrasive substances.

SPECIFICATIONS

- Open impeller made of polyurethane technopolymer.
- Delivery port: DN 50 (2") fitting
- **Passes solids** up to **6 mm** in diameter.
- **Maximum temperature** of pumped liquid: **35°C**.
- **Maximum immersion depth: 5 m**.
- **10 meters** of H07RN-F type neoprene power **cord** with plug.
- Single-phase versions with 0.40 and 0.75 kW rated power.
- Double mechanical seal (SiC/SiC + carbon/ceramic) with oil chamber.
- Single-phase models are available in the automatic version (with float) and manual version (without float).
- **Dry motor (class F insulation)**.
- Built-in capacitor and thermal overload protection.
- "Shallow-suction device", a rubber ring that allows complete drainage of a flooded surface, is available on request. It can be mounted on Digger 4 and Digger 8.



TABLE OF MATERIALS

PART	MATERIAL
Pump body, Stator housing, Shaft	STAINLESS STEEL AISI 304 - (DIN 1.4301)
Impeller	DIE-CAST POLYURETHANE WITH STEEL CORE
Diffuser	POLYURETHANE
Upper pump section	TECHNOPOLYMER
O-ring	NBR

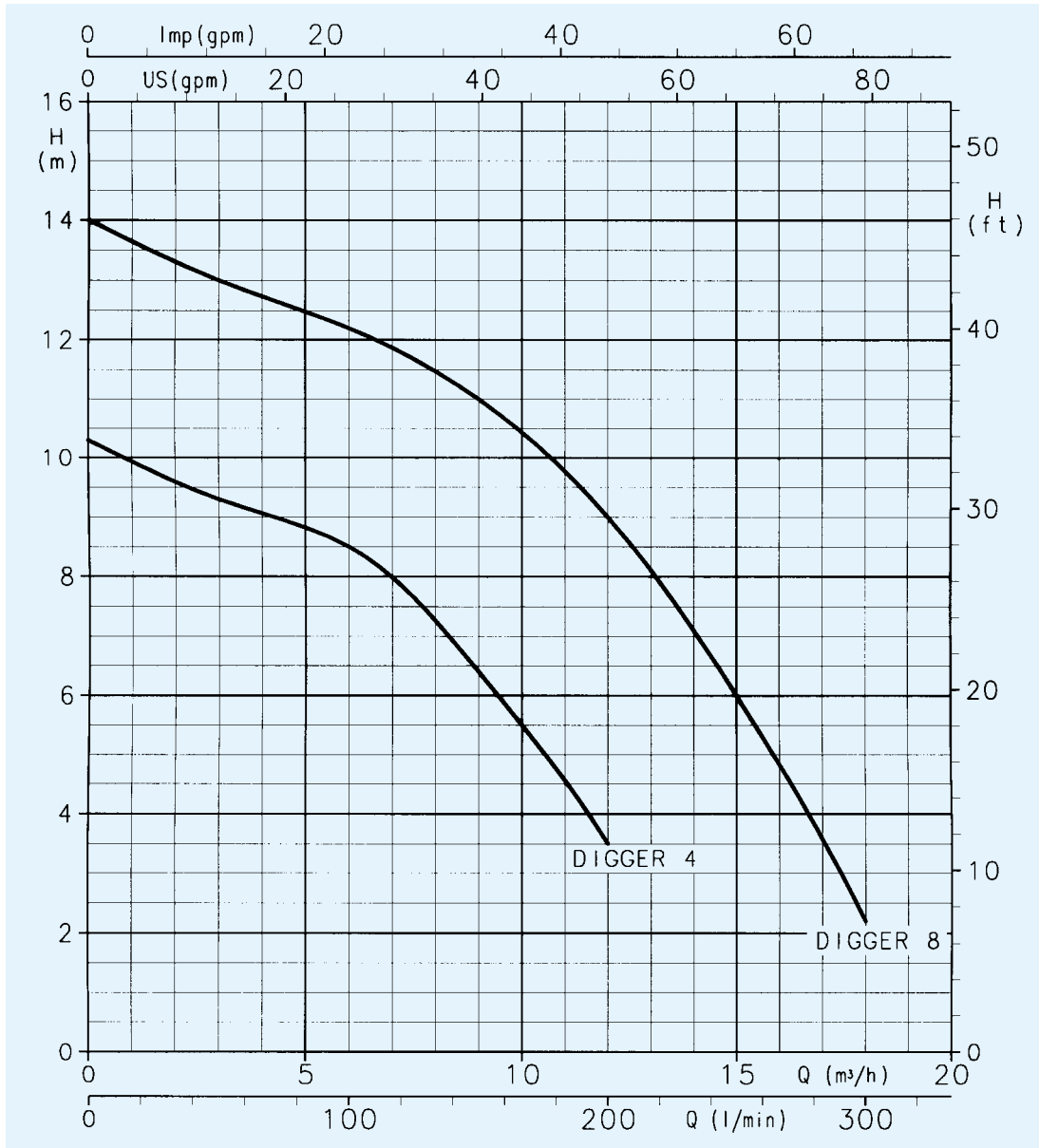
DIMENSIONS AND WEIGHTS

PUMP TYPE	DIAMETER	HEIGHT	WEIGHT * kg
DIGGER 4	185	415	9
DIGGER 8	185	450	12

* Without cable

DIGGER SERIES OPERATING CHARACTERISTICS AT 2850 rpm 50 Hz

DIGGER



PUMP TYPE SINGLE-PHASE 220-240 V 50 Hz	kW	HP	INPUT POWER SINGLE-PHASE 220-240 V	CAPACITOR		INPUT CURRENT IN AMP. SINGLE-PHASE 220-240 V	Q = DELIVERY							
				μF	V		l/min	0	50	100	150	200	250	300
							m³/h	0	3	6	9	12	15	18
H = TOTAL HEAD METERS COLUMN OF WATER														
DIGGER 4	0,4	0,55	0,77	14	450	3,4	10,5	9,5	8,5	6,2	3,5	1		
DIGGER 8	0,75	1,00	1,15	22	450	5,1	14	13	12,2	11	9	5,6	2,3	

These performances are valid for liquids with density $\rho = 1.0 \text{ kg/dm}^3$ and kinematic viscosity $\gamma = 1 \text{ mm}^2/\text{sec}$.