

DOMOSOM



Electric submersible pumps DOMOSOM

for domestic wastewater



APPLICATIONS

Ready-to-use electric submersible pump, expressively designed for installations in domestic environments.

Suitable to expel rain or groundwater, to convey waste and sewage water coming from household appliances also containing suspended solids, whose size is up to 40 mm.

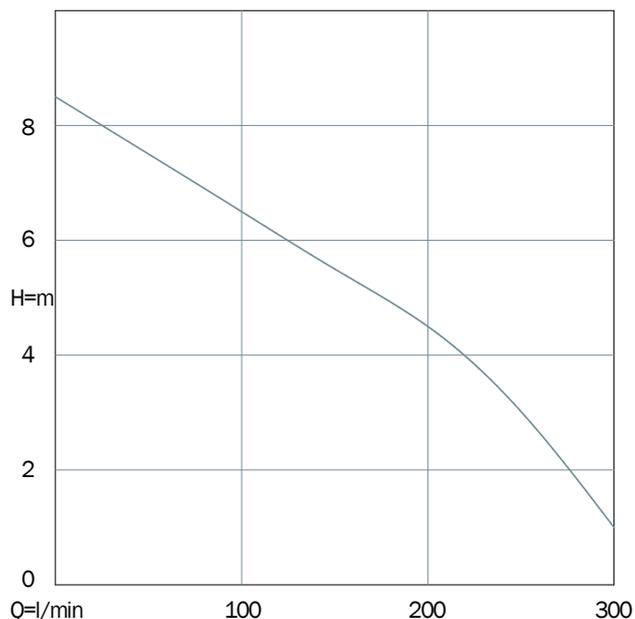
It is recommended to transfer water, to drain tanks and to move domestic sewage.

The electric pump is supplied with 10 meters power cable and Schuko plug.

CHARACTERISTICS

IP rating	IP68
Duty	Continuous S1 (minimum immersion depth 280mm)
Maximum immersion depth (m)	20
Maximum number of starts per hour	30
Maximum temperature of the liquid pumped (°C)	35
PH of the liquid pumped	6 - 10
Density of the liquid pumped (kg/dm ³)	<1,1

APPLICATION RANGE



CONSTRUCTION

AC asynchronous, rewindable electric dry motor with short circuit rotor. Insulation Class F.

Windings with phase insulators to protect the motor from power peaks, as a guarantee of a highly-trustworthy product.

Resin-insulated cable kits so to prevent penetration of water inside the motor

Shafts machined on ball bearings and mechanical seals location

Double mechanical seal with oil-chamber in-between

MATERIALS

Handle, tie-rods and motor casing	Stainless steel AISI304
Shaft	Stainless steel AISI420B
Cover and volute	Mechanical cast iron EN GJL-250
Impeller	Mechanical cast iron EN GJL-200
Mechanical Seal	Silicon carbide and alumina
Packing ring	NBR rubber
Elastomers	NBR rubber
Cable	Neoprene H07RN8-F

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for domestic wastewater, vertical discharge

PERFORMANCE DATA- 2 poles 50 Hz

Vortex impeller 	Code	Version		P2		Max		DNM (GAS)	Ø solid passage (mm)	Q	Flow						Dimensions (mm)				Weight kg	
				hp	kW	A	µF				m³/h	0	6	9	12	15	18	A	B	C		D
NEW DOMOSOM 250	SM250+G	230 V	1phase + float	0,75	0,55	4,2	16	1"½	40	H (m)	8,5	6,5	5,5	4,5	3	1	400	50	230	162	14	

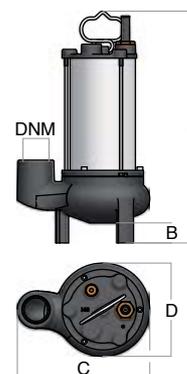


SUPPLIED WITH

10 meters power cable and Schuko plug



Integrated capacitor and thermal protector



PERFORMANCE CURVES - 2 poles 50 Hz

