

## PRODUCT DATA SHEET

### HYDRAULICS FOR SUBMERSIBLE PUMPS



# Omnigena

## 4 „SPO 3 series

Type 4 „SPO 3 diagonal hydraulics are designed for pumping clean, cold, fresh water from deep wells and other reservoirs. Hydraulics of the 4 „SPO 3 series in combination with the motor, are intended for applications where their hydraulic and technical parameters are appropriate and in line with the user's expectations.

### FEATURES

- Can be installed in a manhole pipe with an internal diameter from 110 mm, which reduces investment costs
- The pumps are hygienically approved by the National Institute of Hygiene.
- Pump-motor connection according to NEMA standard
- All parts of the pump are made of high-grade stainless steel



### TECHNICAL DATA

Max. water temperature	35 C°
Working position	vertical

### MATERIALS

Pump housing	stainless steel
Pressure/suction outlet	stainless steel
Cable sheath	stainless steel
Rotors and diffusers	stainless steel
Pump shaft	stainless steel
Suction sieve	stainless steel
Clutch	stainless steel

## TABLE AND GRAPH OF PARAMETERS

Pump model	Q* Performance [l/min].	H max Head max [m]	P Essential Motor power [kW]	U Voltage motor [V]	RP-Ø Discharge outlet [inch].	H Pump height [mm].	A Pump diameter [mm].	Weight pumps [kg]
4SPO 3-6	73,5	38	0,37	230	1¼"	312	101	3
				400				
4SPO 3-9	73,5	57	0,55	230	1¼"	375	101	4
				400				
4SPO 3-12	73,5	76	0,75	230	1¼"	438	101	5
				400				
4SPO 3-15	73,5	95	1,1	230	1¼"	501	101	5
				400				
4SPO 3-18	73,5	113	1,1	230	1¼"	564	101	6
				400				
4SPO 3-22	73,5	139	1,5	230	1¼"	648	101	7
				400				
4SPO 3-25	73,5	157	1,5	230	1¼"	711	101	8
				400				

\* The Q values given were measured at the specified head. Values for individual models are included in the operating points table on the next page. The maximum output is significantly higher.

The manufacturer reserves the right to make design and colour changes to the product at any time. Photographs, drawings and diagrams are for illustrative purposes only. Verification of product parameters was carried out on a selected batch. Depending on the production batch, these parameters may vary. In order to verify the parameters of a particular batch, they must be checked on the nameplate of the unit. The specified parameters are obtained at the discharge outlet without taking into account external factors, e.g. resistance of the discharge and suction installation. The parameters were obtained under laboratory conditions. Under operating conditions there may be a difference +/- 10 %, from the values given on the nameplate of the specific unit. Version 04/2020