

PRODUCT DATA SHEET HYDRAULICS FOR SUBMERSIBLE PUMPS



Omnigena

10" SPO 125 series

Type 10" SPO 125 diagonal hydraulics are designed for pumping clean, cold, fresh water from deep wells and other reservoirs.

FEATURES

- Can be installed in a manhole pipe with an inside diameter from 270 mm
- 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

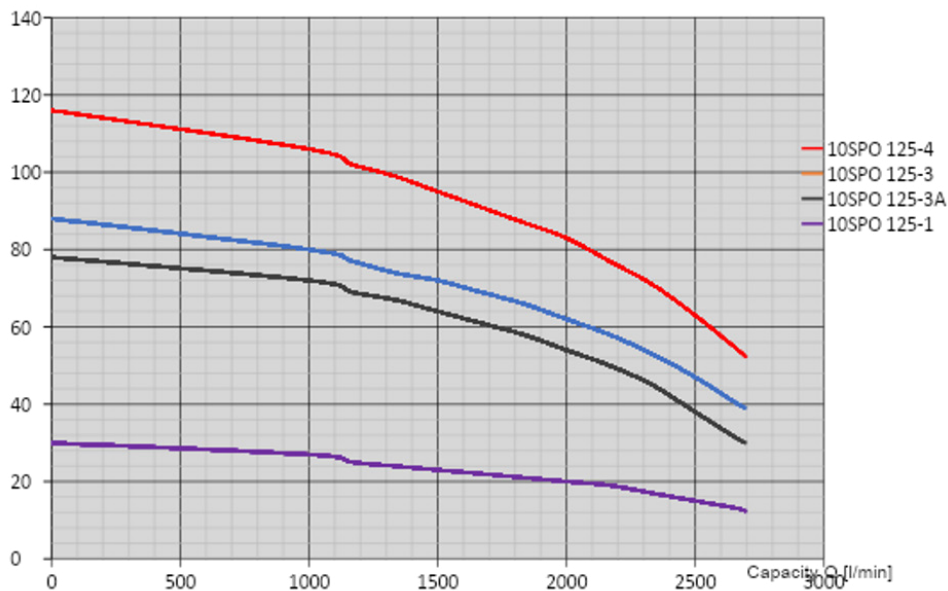
MATERIALS

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]	Motor diameter [inch].	RP-Ø Discharge outlet [inch].	H Pump height [mm].	A Pump diameter [mm].	Weight pumps [kg]
10SPO 125-1	2700	30	11	400	6"	6"	641	211	27
10SPO 125-3A	2700	78	26	400	6"	6"	953	213	39
10SPO 125-3	2700	88	30	400	6"	6"	953	213	39
10SPO 125-4	2700	116	37	400	6"	6"	1109	213	45
			45		8"				

* 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 efficiency is significantly higher.



Model	Motor power (kW)	Capacity (Q)														
		m ³ /h	0	60	70	80	90	100	110	120	130	140	150	160	162	
		l/min	0	1000	1167	1333	1500	1667	1833	2000	2167	2333	2500	2667	2700	
10SPO 125-1	11	H(m)	30	27	25	24	23	22	21	20	19	17	15	13	12	
10SPO 125-3A	26		78	72	69	67	64	61	58	54	50	45	38	31	30	
10SPO 125-3	30		88	80	77	74	72	69	66	62	58	53	47	40	39	
10SPO 125-4	37		116	106	102	99	95	91	87	83	77	71	63	54	52	
	45															

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 nameplate values of the specific unit. Version 05/2020