

Sumoto

ONK 2-WIRE

4" Peripheral submersible electropump



The 2-wire version of the ONK Series 4-inch Peripheral Submersible Electropump combines the proven reliability of Sumoto's submersible technology with simplified installation and operation. Equipped with a built-in capacitor and integrated thermal overload protection, this version eliminates the need for an external control box, making it ideal for straightforward, plug-and-play setups. The oil-filled submersible motor ensures excellent cooling and lubrication, enhancing durability and minimizing maintenance. Constructed with a nickel-plated cast iron pump body, it offers outstanding resistance to corrosion and mechanical stress. The stamped brass impeller guarantees precise hydraulic performance and long-lasting efficiency. Compact and easy to install, the ONK 2W is perfectly suited for residential and agricultural applications where performance, simplicity, and reliability are key.

TECHNICAL FEATURES

- Rewindable.
- Motor upper bracket: nickel plated cast iron
- Pump body and delivery head: nickel plated cast iron
- Impeller: stamped brass
- Motor case: SS 304.
- Motor shaft: SS 304.
- High quality radial and thrust ball bearings.
- Winding: enameled copper - Class F insulation.
- Degree of protection: IP68/Class B.
- Max temp. 35° with water cooling flow min. 0.08 m/s.
- Max depth immersion: 150 m.
- Nos. of start per hour: max 30 at regular intervals.
- Mechanical seal: graphite/ceramic
- Coolant: dielectric non toxic high quality lubricant.
- Pump cable length: 10m (3 wires plus ground).
- Voltage variation: +/-10%.
- Single phase motor pump available in both version CSCR & PSC.
- Suitable for horizontal operation.

MOTOR RANGE VERSIONS

- Single Phase: 0.55kW (0.75hp) to 1.1kW (1.5hp), 220-230V / 50Hz (or 60 Hz).
- Other voltage and frequencies available upon request.



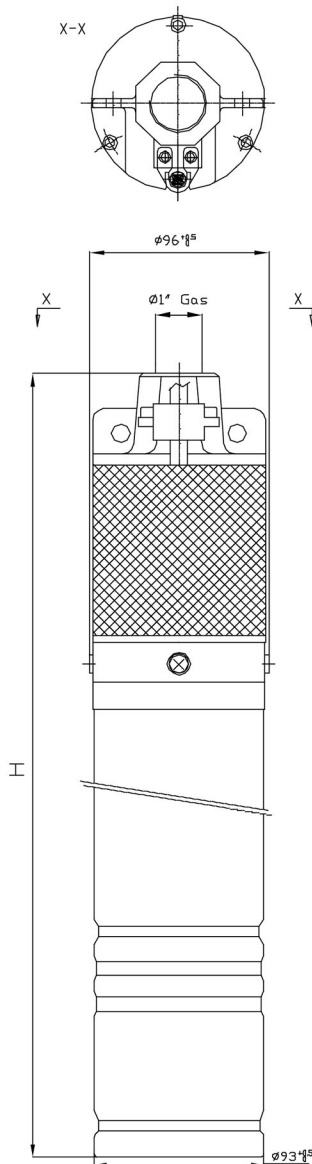
Sumoto reserves the right to make modifications without prior notice

PACKAGING WEIGHT & DIMENSIONS



	Type	kW	Hp	Weight	Height	Width	Length
				kg	cm	cm	cm
SINGLE PHASE	ONK 075 M 2W	0,55	0,75	12,5	17	25	50
	ONK 100 M 2W	0,75	1	13	17	25	50
	ONK 150 M 2W	1,1	1,5	15	17	25	60

TECHNICAL DRAWING



ONK 2W CONSTRUCTION DETAILS



The pump body is crafted from high-quality nickel-plated cast iron, providing superior structural integrity and excellent resistance to corrosion. This durable construction ensures long-term reliability and optimal performance, even in demanding environments.

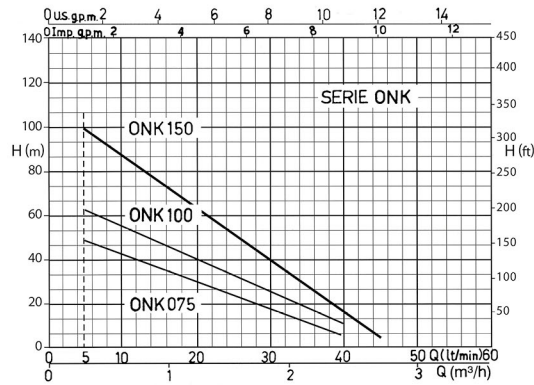


The stamped brass impellers are designed for precise hydraulic performance and consistent efficiency over time. Their corrosion-resistant properties and mechanical strength make them ideal for sustaining a steady water flow while minimizing wear.



The ONK pump features a practical removable connector, designed to simplify cable replacement and maintenance. Accessing the connector is quick and easy, just remove the filter screen at the base, which protects the impellers from debris. The power cable is a H07RN-F neoprene, compliant with HAR, CE, and RoHS standards.

OPERATING CURVES AT 2900 RPM - 50 HZ



The operating graphic is valid at a 2900 RPM. Indicated working data are for continuous service at normal water temperature and density 1 Kg/dmc.

50Hz.

SINGLE PHASE - 220V

Type	kW	Hp	In Amp	RPM	Cosφ	μF	I/min m³/h	Q capacity								
								5	10	15	20	25	30	35	40	45
									H total manometric head in meters							
ONK 075 M 2W	0,55	0,75	4,3	2850	0,92	25	45	41	36	31	26	21	16	11	5	
ONK 100 M 2W	0,75	1	5,8	2820	0,92	30	62	49	42	37	30	23	16	10	6	
ONK 150 M 2W	1,1	1,5	7,9	2840	0,93	30	102	78	67	58	48	37	25	15	7	



MADE IN ITALY

