PRODUCT DATA SHEET
SUBMERSIBLE PUMPS

Omnigena

2B series

The 2B submersible pumps, with centrifugal design of the hydraulic part, are designed for pumping clean, cold, fresh water from deep boreholes and other reservoirs.

FEATURES

- Can be installed in a manhole pipe with an inside diameter of 65 mm or more, reducing investment costs
- A capacitor is built into the motor, resulting in easy electrical connection (WK)
- All parts of the pump that come into contact with water are made of stainless materials
- Thermal protection built into the winding, which protects the motor from overheating

TECHNICAL DATA

Max. water temperature	35°C
Max. immersion depth	50 m
Working position	vertical
Length of power cable	20 m*
Min. cooling flow	0.08 m/s
Max. number of starts	20/hour
Degree of protection	IP 68
Permissible voltage differential	-10%/+6%
Motor speed	2850 rpm
Insulation class	B

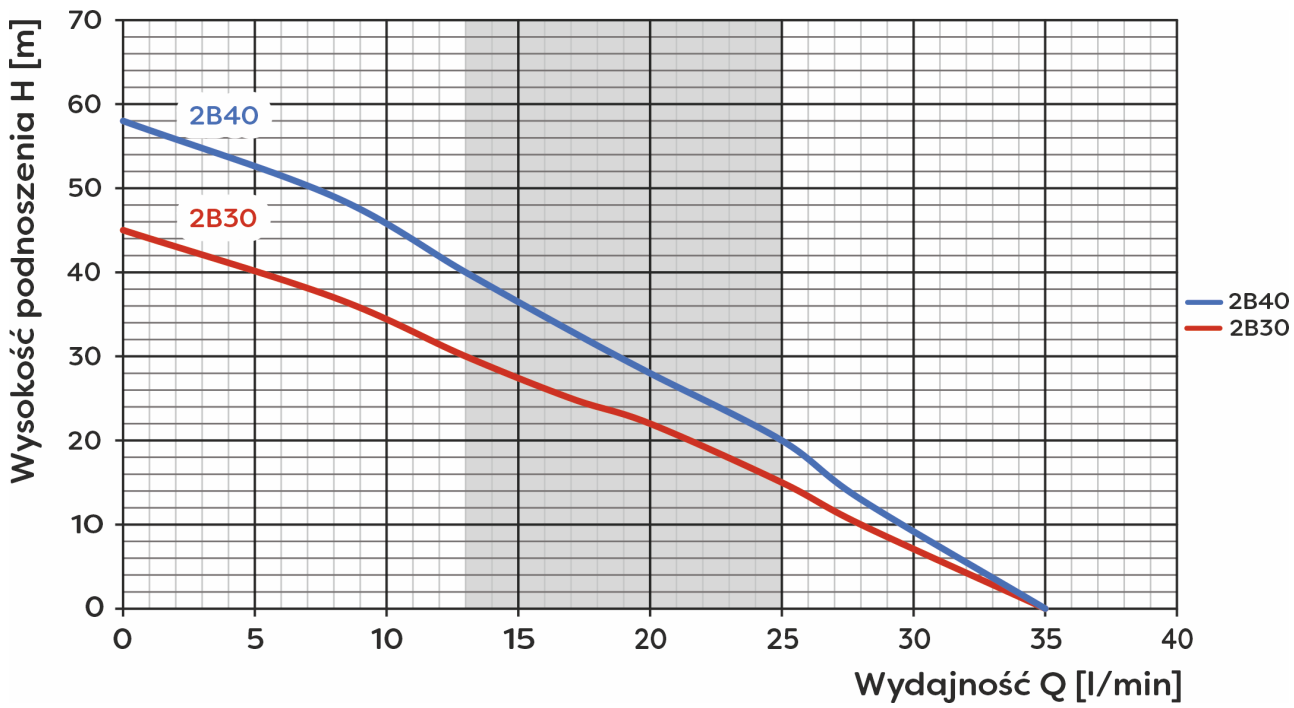
MATERIALS

Pump housing	stainless steel
Pressure/suction outlet	brass
Cable sheath	stainless steel
Mechanical glands	silicon carbide/carbon
Rotors and diffusers	noryl
Pump shaft	stainless steel
Inlet sieve	stainless steel
Clutch	stainless steel

* Depending on individual requirements, we can attach an additional cable of the appropriate core diameter and length (multiples of 5m) to the factory cable using a hermetic connector. We provide a guarantee for the completed connector.

TABLE AND PARAMETER CHARTS

Pump model	Q max Flow [l/min]	H max Head [m]	P Motor power [kW]	U Voltage [V]	I Current [A]	C Capacitor [µF]	COS φ	RP-Ø Discharge outlet [inch]	H Pump height [mm]	A Pump diameter [mm]	Weight Pumps [kg]
2B30	35	45	025	230	2.4	16.5	0.93	½"	1325	53	8
2B40	35	58	0.37	230	4	16.5	0.93	½"	1375	53	9.5



Model pumps	Power motor (kW)	Flow (Q)								
		m³/h	0	0.5	0.8	1	1.2	1.5	1.8	2.1
		l/min	0	8	13	17	20	25	28	35
2B30	0.25	H(m)	45	37	30	25	22	15	10	0
2B40	0.37		58	49	40	33	28	20	13	0