

Impeller pumps intelligent control



detail

Increase energy efficiency

Impeller pumps
with integrated
frequency converter

Motor with integrated frequency converter

By infinite control of rotation the filling quantity can be determined very precisely. Adjusted motor power makes for better energy efficiency.

- ▶ bi-directional
- ▶ overload protection
- ▶ precise drive control
- ▶ compact design
- ▶ high energy efficiency

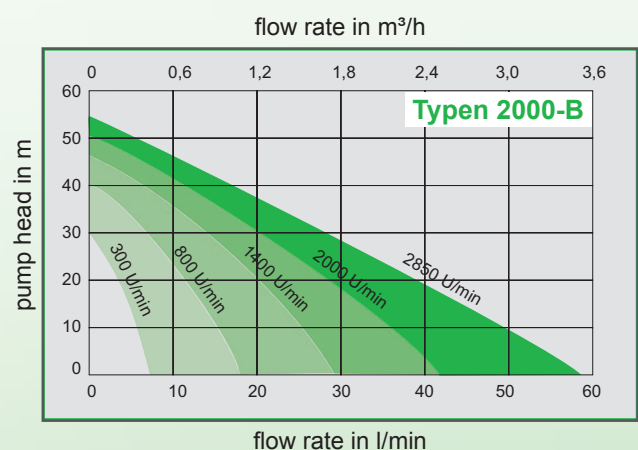
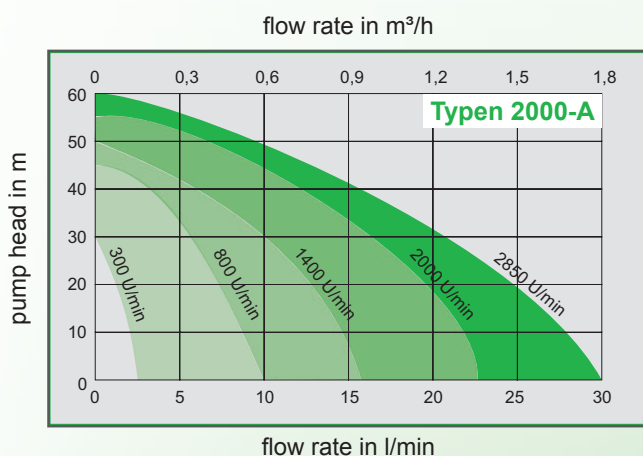
Impeller pumps with intelligent control

Benefits of Impeller pumps

- ▶ dry self priming
- ▶ powerful and sturdy
- ▶ gentle, free of pulsation
- ▶ versatile
- ▶ reliable and low maintenance
- ▶ flexible and efficient

Technical Details - Frequency Converter

Type	INVEOR
Recommended motor power / converter power	0,37 up to 0,55 kW / 0,75 kW
Voltage / frequency	1 AC 200 V -10% up to 230 V +15%, 50/60 Hz +-6%
Power	6,9 A
Rated output current at 230 V/ 4kHz	3,9 A
Output voltage	1 AC, 0 until mains voltage
Output frequency	0 bis 400 Hz
Overloading for max. 60 sec.	150 %
Protective function	overload, undervoltage, I ² t, short-circuit, motor temperature, converter temperature, stall prevention, anti-lock
Recommended mains fuse (slow)	10 A
Statistical process control	free configurable PID regulator
Dimension (L x B x H)	180 x 110 x 130 mm
Weight including adapter plate	2,5 kg
Ambient temperature	-10°C (without condensation) up to 40°C (50°C with derating)
Protection class	IP 65
EMC	fulfilled according to DIN EN 61800-3, class C1
Certificate and conformity	CE, (UL and CSA in preparation)



values are measured with NBR impeller

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