# Impeller pumps intelligent control





## 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

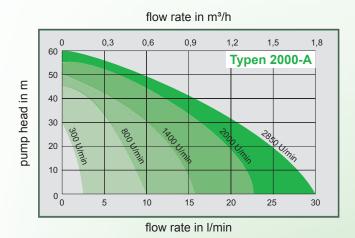
#### **Benefits of Impeller pumps**

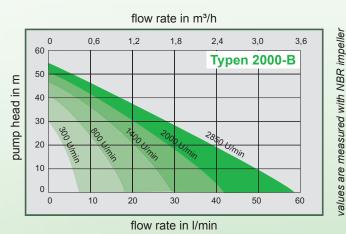
- dry self priming
- powerful and sturdy
- ▶ gentle, free of pulsation

- versatile
- reliable and low maintenance
- flexible and efficient

#### **Technical Details - Frequency Converter**

Туре	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, unvervoltage, l²t, 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)





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