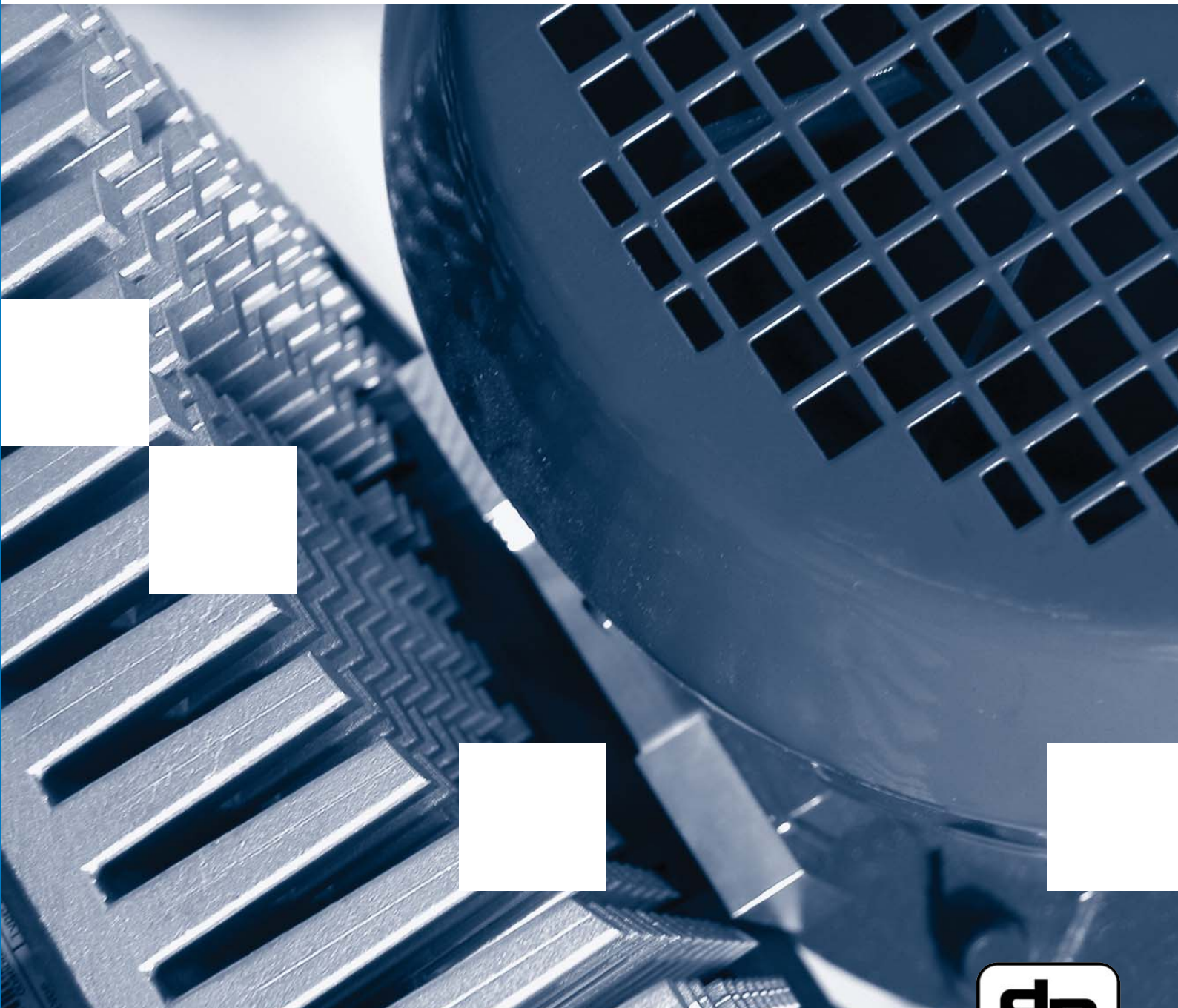


# MI motor integrated frequency drive

dp pumps



▪ the dynamics of water



# Variable flow and cons requires variable spe



up to 70%  
energy savings

## Motor integrated frequency drives: MI

- Major energy savings, 100% constant pressure and optimum process-control. Using frequency converters to control the speed of induction-motors has obvious advantages. Service friendly speed-controlled pumps and booster sets, a design speciality by DP-Pumps.

Introducing our MI.

### Pump with motor integrated frequency converter

#### Advantages:

- constant pressure
- energy savings up to 70%
- lower installation- and assembly costs
- optimum process-control
- minimal electromagnetic compatibility influences (EMC)
- frequency converters separately supplied: assembly on existing pump possible
- service-friendly through exchangeable power converter part.



Motor range	0,37 up to 7,5 kW
Power supply	1~ 180-264 V (50/60 Hz) for 0.37 kW
	3~ 320-550 V (50/60 Hz) for 0.55 - 7.5 kW
Switching frequency	2, 4, 8, 16 kHz
Protection class	IP65 / Nema 4
EMC filter	Class A and B acc. EN55011
Ambient temperature	-20°C up to +60°C



# constant pressure control and constant control



#### On demand:

converter with preset parameters in I/O- or Bus-module to meet the OEM- or application requirements.

#### Standard features:

PTC input, PID-control, automatic motor adaptation, programmable relay outputs, 4 separate parameter settings, password protection.

#### Options:

- system bus, Interbus, Profibus, CANbus, Locombus
- handheld keypad + cable
- PC software, RS232 interface with PC cable.

#### Booster systems

with Megacontrol® and motor integrated converter

#### Advantages:

- energy savings up to 70%
- service friendly
- compact installations
- fast stabilization of pressure on extreme fluctuations of water usage
- enhanced efficiency through intelligent control in combination with Megacontrol
- automatic optimization of run-on-time
- pump alternation according to first-in / first-out principle
- control of the converters via Megacontrol through communications bus
- assembly on existing installation possible.

#### Applications:

- boiler feed
- irrigation
- water treatment
- drinking water supply
- fire systems
- cooling systems.

*For more information or a tailor made solution please contact one of our technical consultants.*





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