

the **dynamics** of water



**dhc series**  
circulators

# dhc-series

# efficient,

By adding the sealless DHC-series circulation pumps to our product range, DP-Pumps offers a total solution for building management.

The frequency-controlled pumps for circulation of heating-, cooling- and hot tap water applications are available cast iron, bronze and stainless steel. The DHC-series offers a wide range of capacities, dimensions and connections for application in new and existing installations.

The DHC-series is fully compliant with the 2009/125/EC Energy-related Products (ErP) directive.

The pumps are easy to install and adjust using the “one button” control.

Working range DHC series:	
Ambient temperature [°C]	40
Medium temperature [°C]	-10 tot 110
Max. pump head height [mWk]	12
Max. capacity [m <sup>3</sup> /hr]	45
Pressure class	PN 10/6

## DHC A

The DHC A (Automatic speed control) series has an Energy Efficiency Index of  $\leq 0.27$ , making it fully compliant with the European Union's most recent requirements.

Depending on the specific application, the DHC A is available in bronze, stainless steel or cast iron. All pumps are fitted with a silent permanent magnet motor and integrated speed controller.

## Applications DHC A

- Heating water circulation
- Hot tap water systems (bronze and stainless steel versions)
- Air conditioning or closed-circuit cooling
- Industrial circulation
- The pumps are fitted with a silent permanent magnet motor and integrated speed controller.



**Accessory:**  
Insulation cover for higher energy efficiency.

# durable and silent



## DHC M

The DHC M (Manual speed setting) is the bronze circulation pump series for tap water, with multiple manually selectable speed settings, available in both single- or three-phase versions.

### Application DHC M

- Hot tap water systems

### Design

- Maintenance-free, high efficiency, liquid-cooled pump with threaded or flanged fittings, with a silent permanent magnet motor and fixed speed switch.

### Operation

- Multiple fixed speeds

### Automatic functions

- Motor protection with automatic reset

### Manual functions

- Operating settings
- Selection of pressure differential based on the 3 or 4 speeds

### External control options

- Start/stop

### External trouble indication

- LED indication
- Visual error codes

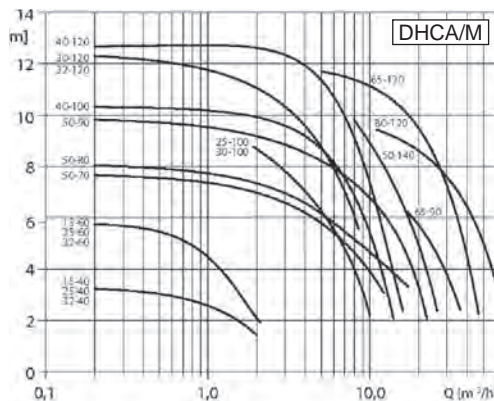
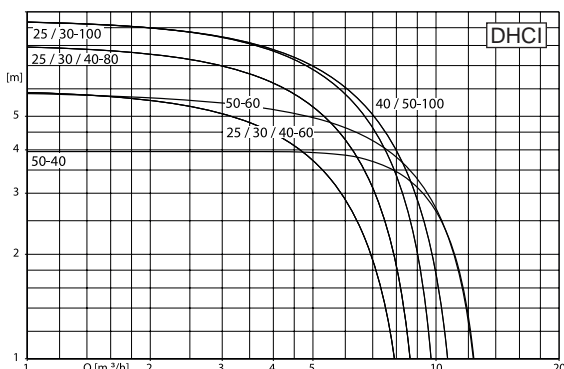
## DHC I

The DHC I (Intelligent) series is designed for high-efficiency heating and cooling water circulation applications. The cast iron pump has a complete new hydraulic design, advanced frequency controller and permanent magnet motor. This series is already compliant with the 2015 ErP requirements (EEI value  $\leq 0.23$ ), making it 'ErP 2015 ready'.

### Applications DHC I

- Hot water circulation (heating)
- Air conditioning or closed-circuit cooling
- Industrial applications

The right choice for the right application.





## dp pumps

dp pumps  
P.O. Box 28  
2400 AA Alphen aan den Rijn  
Holland

t +31 172 488 388  
f +31 172 468 967

dp@dp-pumps.com  
www.dp-pumps.com

