

## Factsheet



# PrimAX – Premium high efficiency heating circulation pump

The new PrimAX boasts an above-average energy efficiency and standardised Biral control concept, which has been adopted from the ModuA and VariA. Various additional functions, such as the flow rate indicator and the deblocking system, make the pump a top product.

## Biral operating philosophy



### Control characteristics

Adjustment over 4 stages

### Flow rate indicator

The flow rate indicator indicates the approximate flow rate and helps when starting up the pump.

### Setting the control type

- ▶ Proportional pressure (pp)
- ▶ Constant pressure (cp)
- ▶ Constant speed (cs)

### Status, watt display

### You know one, you know them all.

The new PrimAX is convincing with the uniform Biral operating philosophy transferred from the ModuA and the VariA, and like its related pumps it ensures the highest level of user-friendliness: operation requires fewer actions on the clear and self-explanatory membrane keypad. The illuminated display of the PrimAX gives the most important information on adjusting the pump, the operating status and the current pumped volume at all times. You know one, you know them all.

+2 °C to 110 °C



## Convincing qualities



### Deblocking system

The powerful starting sequence vibrates the pump, releasing any potential dirt deposits after longer periods of inactivity.



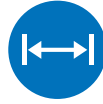
### Magnetite-resistant

Magnetite-resistant ceramic shaft and bearings reduce the risk of blockages due to iron or other magnetic particles.



### Biral-connector

The Biral-connector with screw terminals makes it quick and easy to install.



### Installation depth

With an installation depth of 103.3 mm, the pump is highly compact and is suitable for installation in extremely restricted spaces.



### Angle plug

The angle plug is ideal for use in restricted spaces and is included as standard.



### Heat insulation shell

The heat insulation shells used as standard minimise installation time, reducing related costs.

## Order reference

	<b>PrimAX 32 – 6 180 RED</b>
Series	
Nominal diameter (DN) [mm]	
Max. discharge height [m]	
Installation height [mm]	
Field of application: heating (RED)	

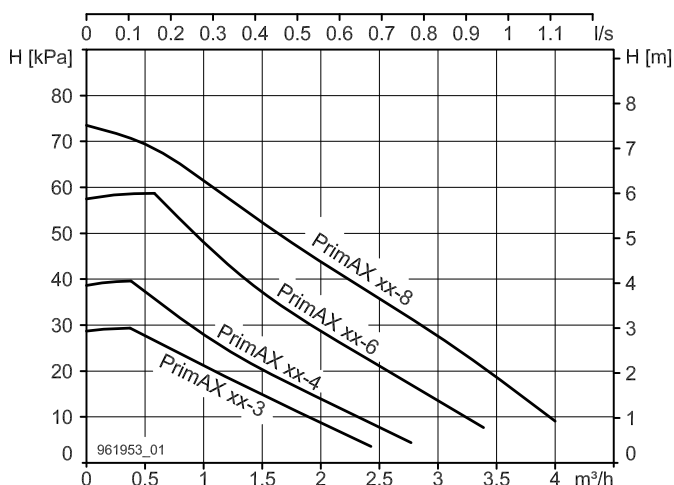
## Energy efficiency

The consumption limits for pumps have been tightened up in stages across Europe up to 2015. The PrimAX pumps from Biral have easily achieved the efficiency requirements, and with an **EEI value of  $\leq 0.15$**  they qualify as best in class.



## The PrimAX product range

With the PrimAX, Biral is now offering a pump with an 8 m flow head and is the only manufacturer to also offer the tried and tested 3 m pump.



## Technical data

<b>Supply voltage</b>	1×230 V $\pm 10\%$ , 50/60 Hz, PE
<b>Motor protection</b>	External motor protection is not required
<b>Type of protection</b>	IP 44 (EN 60529)
<b>Winding category</b>	Insulation category F
<b>Temperature category</b>	TF 110 (EN 60335-2-51)
<b>Media temperature</b>	+2 °C to +110 °C
<b>Ambient temperature</b>	0 °C to +40 °C
<b>Operating pressure</b>	Max. 10 bar, 102 m, 1 MPa
<b>Inflow pressure</b>	$\leq +75^\circ\text{C}$ , 0.5 m +90 °C, 2.8 m +110 °C, 10.8 m
<b>Electromagnetic compatibility</b>	EMV guidelines (2004/108/EC) Standards: EN55014-1:2006, EN55014-2:1997
<b>Noise</b>	Sound pressure level under 43 dB(A)
<b>Power consumption</b>	min. 2 W, max. 50 W