

# Technical Specifications

## Overhead Stirrers

Model	Hei-TORQUE Core	Hei-TORQUE Value 100	Hei-TORQUE Value 200	Hei-TORQUE Value 400	Hei-TORQUE Precision 100	Hei-TORQUE Precision 200	Hei-TORQUE Precision 400
<b>Power rating Motor input/output</b>	105/75W	90/50 W	120/80 W	150/90 W	90/50 W	120/80 W	150/90 W
<b>Number of gear speeds</b>	1	1	1	2	1	1	2
<b>Speed range</b>	20–2,000 rpm	10–2,000 rpm	10–2,000 rpm	10–400 rpm (gear speed I) 20–2,000 rpm (gear speed II)	10–2,000 rpm	10–2,000 rpm	10–400 rpm (gear speed I) 20–2,000 rpm (gear speed II)
<b>Change of rotation direction</b>	–	–	–	–	yes	yes	–
<b>Rotation speed indicator</b>	digital	digital	digital	digital	digital	digital	digital
<b>Control panel</b>	monochrome 2.4"	monochrome 2.4"	monochrome 2.4"	monochrome 2.4"	colour 3.2"	colour 3.2"	colour 3.2"
<b>Speed control</b>	electronic	electronic	electronic	electronic	electronic	electronic	electronic
<b>Max. torque</b>	40 Ncm*	100 Ncm	200 Ncm	400 Ncm	100 Ncm	200 Ncm	400 Ncm
<b>Torque indicator</b>	Symbol	Symbol	Symbol	Symbol	Value	Value	Value
<b>Behaviour in case of overload</b>	Automatic cut-out with display	Automatic cut-out with display	Automatic cut-out with display	Automatic cut-out with display	Automatic cut-out with display	Automatic cut-out with display	Automatic cut-out with display
<b>Motor protection</b>	Temperature monitoring software	Temperature monitoring software	Temperature monitoring software	Temperature monitoring software	Temperature monitoring software	Temperature monitoring software	Temperature monitoring software
<b>Max. viscosity</b>	10,000 mPas	60,000 mPas	100,000 mPas	250,000 mPas	60,000 mPas	100,000 mPas	250,000 mPas
<b>Max. volume</b> <b>H<sub>2</sub>O</b>	25 l	50 l	50 l	100 l	50 l	50 l	100 l
<b>Analogue/digital interface</b>	–	–	–	–	USB and RS 232	USB and RS 232	USB and RS 232
<b>Permissible duty cycle</b>	Continuous operation	Continuous operation	Continuous operation	Continuous operation	Continuous operation	Continuous operation	Continuous operation
<b>Counter / timer</b>	yes	–	–	–	yes	yes	yes
<b>Stirrer shaft diameter max.</b> <b>Ø</b>	10.5 mm	10.5 mm	10.5 mm	10.5 mm	10.5 mm	10.5 mm	10.5 mm
<b>Dimensions device</b> <b>w/d/h</b>	70×195×282 mm**	86×247×340 mm**	86×247×340 mm**	93×247×340 mm**	86×247×340 mm**	86×247×340 mm	93×247×340 mm**
<b>Dimensions support rod</b> <b>Ø×w</b>	13×160 mm	13×160 mm	13×160 mm	13×160 mm	13×160 mm	13×160 mm	13×160 mm
<b>Weight</b>	2.3 kg	4.4 kg	5.1 kg	5.3 kg	4.4 kg	5.1 kg	5.3 kg
<b>Permissible ambient conditions</b>	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity
<b>Protection class</b> <b>DIN EN 60529</b>	IP 42	IP 54	IP 54	IP 54	IP 54	IP 54	IP 54

Standard supply voltage: 230 V. Other supply voltages upon request.

\* 65 Ncm for short-term overload operation

\*\* Height from upper edge of device to lower edge of chuck with jaws completely retracted