Technical Specifications - Magnetic Stirrers

Model		MR Hei-Mix S	MR Hei-Mix L	MR Hei-Standard	MR Hei-Tec	MR Hei-Connect	MR Hei-End
P/N	**(230 V)**	503-02000-00	505-00000-00	505-20000-00	505-30000-00	505 - 40000 - 00	505-50000-00
Speed range	**(rpm)**	0 - 2,200	100 - 1,400	100 - 1,400	100 - 1,400	100 - 1,400	30 - 1,400
Speed accuracy	**(%)**	±5	±2	±2	±2	±2	±1
Drive		Shaded pole motor	EC-motor	EC-motor	EC-motor	EC-motor	EC-motor
Operating mode		continuous	continuous	continuous	continuous	continuous	continuous
Display		–	–	–	digital	digital	digital
Analog/digital interface		–	–	–	–	yes (digital)	yes
Heating power	**(W)**	–	–	800 *	800 *	800 *	800 *
Hotplate temperature	**(°C)**	–	–	20 – 300	20 – 300	20 – 300	20 – 300
Medium temperature, max.	**(°C)**	–	–	250	250	250	250
Accuracy temperature setting	**(°C)**	–	–	±5	±1	±1	±1
External temperature sensor		–	–	Pt 1000	Pt 1000	Pt 1000	Pt 1000
Temperature accuracy with external temperature sensor	**(°C)**	–	–	±1	±1	±1	±0.2
Sensor breakage protection		–	–	with Pt 1000	with Pt 1000	with Pt 1000	with Pt 1000
Temperature control		–	–	Micro controller	Micro controller	Micro controller	Micro controller
Temperature accuracy hotplate	**(°C)**	–	–	±5	±5	±5	±5
Residual heat indicator		–	–	yes	yes	yes	yes
Safety circuit hotplate	**(°C)**	–	–	25 °C over hotplate temperature	25 °C over hotplate temperature	25 °C over hotplate temperature	10 - 25 °C over nominal temperature
Timer		–	–	–	–	yes	–
Stirring capacity, max. (H_2O)	**(l)**	5	20	20	20	20	20
Load, max.	**(kg)**	6	25	25	25	25	25
Power consumption	**(W)**	7	20	820	820	820	825
Permissible ambient conditions		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
Plate diameter	**(mm)**	ø 104	ø 145	ø 145	ø 145	ø 145	ø 145
Plate material		PVDF	Kera-Disk® (Silumin with ceramic coating)	Kera-Disk® (Silumin with ceramic coating)	Kera-Disk® (Silumin with ceramic coating)	Kera-Disk® (Silumin with ceramic coating)	Kera-Disk® (Silumin with ceramic coating)
Weight	**(kg)**	1.1	2.9	2.9	2.9	2.9	2.6
Dimensions (l x w x h)	**(mm)**	140 x 126 x 80	173 x 277 x 94	173 x 277 x 94	173 x 277 x 94	173 x 277 x 94	173 x 277 x 94
Protection class	**(DIN EN 60529)**	IP 21	IP 32	IP 32	IP 32	IP 32	IP 32

* 600 W for 115 V-units
Standard supply voltage: 230 V - other voltages upon request, please specify for order