

Large Loading Stirrers



Model	HSS-300	HSS-400	HSS-500
Number of stirring positions 1	1	1	1
Max stirring quantity in H2O [L]	50	90	150
Motor Type	Brushless DC Motor with Planetary Reducing Speed Gear Box	Brushless DC Motor with Planetary Reducing Speed Gear Box	Brushless DC Motor with Planetary Reducing Speed Gear Box
Motor rating output [W]	30	40	50
Speed range [rpm]	50-1200	50-1200	50-1200
Stirring bar length max. [mm]	100 (16 mm D)	150 (24 mm D)	150 (24 mm D)
Timer	up to 9 Hrs.	up to 9 Hrs	up to 9 Hrs.
Plate material	Stainless steel	Stainless steel	Stainless steel
Chemical resistant	Yes	Yes	Yes
Plate dimensions [mm]	300 x 300	400 x 400	500 x 500
Case material	Metal	Metal	Metal
Dimensions (L x W x H) [mm]	425 x 300 x 90	520 x 400 x 160	620 x 500 x 165
Weight [kg]	5	11	14
Operation temperature [°C]	5 - 40	5 - 40	5 - 40
Operation relative humidity [%]	80	80	80
Protection class according to DIN EN 60529	IP 56	IP 56	IP 56
Voltage [V]	100 - 240	100 - 240	100 - 240
Frequency [Hz]	50/60	50/60	50/60
Power [W]	30	80	80
Fuse	2x T4A 250V	2x T4A 250V	2x T4A 250V



Multi-Plate Stirrer Hotplates

Model	HSHA-2D	HSHC-2D	HSHA-4D	HSHC-4D
Display	LED	LED	LED	LED
Plate material	Ceramic coated aluminum	Ceramic	Ceramic coated aluminum	Ceramic
Plate number	2	2	4	4
Each Plate Dimension	180 X 180 mm)	178 mm X 178 mm	180 X 180 mm)	178 mm X 178mm
Hot warning	yes	yes	yes	yes
Number of Control	2	2	4	4
Temperature setting range	35-400°C	35-500°C	35-400°C	35-500°C
Heating range for plate	35-400°C	35-500°C	35-400°C	35-500°C
Heating range for solution	35.0-200.0°C	35.0-200.0°C	35.0-200.0°C	35.0-200.0°C
External temperature sensor	PT 1000	PT 1000	PT 1000	PT 1000
Heating setting resolution of plate	1 °C	1 °C	1 °C	1 °C
Heating setting resolution of solution	0.1 °C	0.1 °C	0.1 °C	0.1 °C
Temperature stability	1 °C	1 °C	1 °C	1 °C
Heat control accuracy with PT 1000 (500ml H2O in 600ml beaker, 30mm stirring bar, 600rpm, 50°C)	+/-0.5 °C	+/-0.5 °C	+/-0.5 °C	+/-0.5 °C
Capable calibration on external probe	yes	yes	yes	yes
Number of stirring positions in each plate	1	1	1	1
Stirring quantity max. per stirring position (H2O)	10L	10L	10L	10L
Speed range	150-1600 rpm	150-1600 rpm	150-1600 rpm	150-1600 rpm
Stir Bar Length Range	25-60mm	25-60mm	25-60mm	25-60mm
Overheat warning in plate and medium detection (Error 1 and Error 2)	yes	yes	yes	yes
Dimensions (W x D x H) mm	390X300X110	390X300X110	760X300X110	760X300X110
Weight	7 Kg	7 Kg	14 Kg	14 Kg
Operation ambient temperature	5 - 40 °C	5 - 40 °C	5 - 40 °C	5 - 40 °C
Operation relative humidity	80%	80%	80%	80%
Protection class according to DIN EN 60529	IP 21	IP 21	IP 21	IP 21
Voltage	200-240V	200-240V	200-240V	200-240V
Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Power	1700 W	1300 W	3200 W	2500 W