Specifications

Ceramic Top Hot Plate Specifications

Overall Dimensions	HP88854100	HP88854105	HP88857100	HP88857105	HP88850100	HP88850105
Width - in.(cm)	5.1 (13)	5.1 (13)	8.2 (20.8)	8.2 (20.8)	11.3 (28.8)	11.3 (28.8)
Height - in.(cm)	3.9 (9.8)	3.9 (9.8)	4.1 (10.5)	4.1 (10.5)	4.1 (10.5)	4.1 (10.5)
Depth - in.(cm)	10.2 (25.9)	10.2 (25.9)	14.2(36)	14.2(36)	17.2(43.8)	17.2(43.8)
Weight - lbs.(kg)	3.3 (1.5)	3.3 (1.5)	7.5 (3.4)	7.5 (3.4)	11.5 (5.2)	11.5 (5.2)
Top Plate Dimensions						
Width - in.(cm)	4.25 (10.8)	4.25 (10.8)	7.25 (18.4)	7.25 (18.4)	10.5 (26.7)	10.5 (26.7)
Height - in.(cm)	1.0 (2.5)	1.0 (2.5)	1.0 (2.5)	1.0 (2.5)	1.0 (2.5)	1.0 (2.5)
Depth - in.(cm)	4.25 (10.8)	4.25 (10.8)	7.25 (18.4)	7.25 (18.4)	10.5 (26.7)	10.5 (26.7)
Volts	100-120	220-240	100-120	220-240	100-120	220-240
Amps	4.4	1.6	12	4.4	13	6.0
Watts	540	384	1440	1056	1560	1440
Freq.	50/60	50/60	50/60	50/60	50/60	50/60
Phase	1	1	1	1	1	1
Max. Temp °C (°F)	540°C(1004°F)	540°C(1004°F)	540°C(1004°F)	540°C(1004°F)	400°C(752°F)	400°C(752°F)

Ceramic Top Stirrer Specifications

Overall Dimensions	S88854100	S88854105	S88857100	S88857105	S88850100	S88850105
Width - in. (cm)	5.1 (13)	5.1 (13)	8.2 (20.8)	8.2 (20.8)	5.1 (13)	5.1 (13)
Height - in. (cm)	3.9 (9.8)	3.9 (9.8)	4.1 (10.5)	4.1 (10.5)	4.1 (10.5)	4.1 (10.5)
Depth - in. (cm)	10.2 (25.9)	10.2 (25.9)	14.2(36)	14.2(36)	17.2(43.8)	17.2(43.8)
Weight - lbs. (kg)	5.0 (2.2)	5.0 (2.2)	9.0 (4.1)	9.0 (4.1)	13.0 (5.9)	13.0 (5.9)
Top Plate Dimensions						
Width - in. (cm)	4.25 (10.8)	4.25 (10.8)	7.25 (18.4)	7.25 (18.4)	10.5 (26.7)	10.5 (26.7)
Height - in. (cm)	1.0 (2.5)	1.0 (2.5)	1.0 (2.5)	1.0 (2.5)	1.0 (2.5)	1.0 (2.5)
Depth - in. (cm)	4.25 (10.8)	4.25 (10.8)	7.25 (18.4)	7.25 (18.4)	10.5 (26.7)	10.5 (26.7)
Volts	100-120	220-240	100-120	220-240	100-120	220-240
Amps	0.2	0.1	0.2	0.1	0.2	0.1
Watts	24	24	24	24	24	24
Freq.	50/60	50/60	50/60	50/60	50/60	50/60
Phase	1	1	1	1	1	1

DOMINIQUE DUTSCHER SAS

Ceramic Top Stirring Hotplate Specifications

Overall Dimensions	SP88854100	SP88854105	SP88857100	SP88857105	SP88850100	SP88850105
Width - in. (cm)	5.1 (13)	5.1 (13)	8.2 (20.8)	8.2 (20.8)	11.3 (28.8)	11.3 (28.8)
Height - in. (cm)	3.9 (9.8)	3.9 (9.8)	4.1(10.5)	4.1(10.5)	4.1(10.5)	4.1(10.5)
Depth - in. (cm)	10.2 (25.9)	10.2 (25.9)	14.2 (36)	14.2 (36)	17.2 (43.8)	17.2 (43.8)
Weight - lbs. (kg)	5.0 (2.2)	5.0 (2.2)	9.0 (4.1)	9.0 (4.1)	13.0 (5.9)	13.0 (5.9)
Top Plate Dimensions						
Width - in. (cm)	4.25 (10.8)	4.25 (10.8)	7.25 (18.4)	7.25 (18.4)	10.5 (26.7)	10.5 (26.7)
Height - in. (cm)	1.0 (2.5)	1.0 (2.5)	1.0 (2.5)	1.0 (2.5)	1.0 (2.5)	1.0 (2.5)
Depth - in. (cm)	4.25 (10.8)	4.25 (10.8)	7.25 (18.4)	7.25 (18.4)	10.5 (26.7)	10.5 (26.7)
Volts	100-120	220-240	100-120	220-240	100-120	220-240
Amps	4.4	1.6	12	4.4	13	6.0
Watts	540	384	1440	1056	1560	1440
Freq.	50/60	50/60	50/60	50/60	50/60	50/60
Phase	1	1	1	1	1	1
Max. Temp °C (°F)	540°C(1004°F)	540°C(1004°F)	540°C(1004°F)	540°C(1004°F)	400°C(752°F)	400°C(752°F)

Overall Dimensions	SP88857106	SP88857107	SP88850106	SP88850107
Width - in. (cm)	8.2 (20.8)	8.2 (20.8)	11.3 (28.8)	11.3 (28.8)
Height - in. (cm)	4.1(10.5)	4.1(10.5)	4.1(10.5)	4.1(10.5)
Depth - in. (cm)	14.2 (36)	14.2 (36)	17.2 (43.8)	17.2 (43.8)
Weight - lbs. (kg)	9.0 (4.1)	9.0 (4.1)	13.0 (5.9)	13.0 (5.9)
Top Plate Dimensions				
Width - in. (cm)	7.25 (18.4)	7.25 (18.4)	7.25 (18.4)	7.25 (18.4)
Height - in. (cm)	1.0 (2.5)	1.0 (2.5)	1.0 (2.5)	1.0 (2.5)
Depth - in. (cm)	7.25 (18.4)	7.25 (18.4)	7.25 (18.4)	7.25 (18.4)
Volts	220-240	220-240	220-240	220-240
Amps	4.4	4.4	6.0	6.0
Watts	1440	1056	1560	1440
Freq.	50/60	50/60	50/60	50/60
Phase	1	1	1	1
Max. Temp °C (°F)	540°C(1004°F)	540°C(1004°F)	400°C(752°F)	400°C(752°F)

DOMINIQUE DUTSCHER SAS

Aluminum Top Unit Specifications

Overall Dimensions	HP88857104	HP88857108	S88857104	S88857108	SP88857104	SP88857108
Width - in. (cm)	8.2 (20.8)	8.2 (20.8)	8.2 (20.8)	8.2 (20.8)	8.2 (20.8)	8.2 (20.8)
Height - in. (cm)	4.1(10.5)	4.1(10.5)	4.1(10.5)	4.1(10.5)	4.1(10.5)	4.1(10.5)
Depth - in. (cm)	14.2 (36)	14.2 (36)	14.2 (36)	14.2 (36)	14.2 (36)	14.2 (36)
Weight - lbs. (kg)	7.5 (3.4)	7.5 (3.4)	9.0 (4.1)	9.0 (4.1)	9.0 (4.1)	9.0 (4.1)
Top Plate Dimensions						
Width - in. (cm)	7.25 (18.4)	7.25 (18.4)	7.25 (18.4)	7.25 (18.4)	7.25 (18.4)	7.25 (18.4)
Height - in. (cm)	1.0 (2.5)	1.0 (2.5)	1.0 (2.5)	1.0 (2.5)	1.0 (2.5)	1.0 (2.5)
Depth - in. (cm)	7.25 (18.4)	7.25 (18.4)	7.25 (18.4)	7.25 (18.4)	7.25 (18.4)	7.25 (18.4)
Volts	100-120	220-240	100-120	220-240	100-120	220-240
Amps	6.0	2.6	0.2	0.1	6.0	2.6
Watts	720	624	24	24	720	624
Freq.	50/60	50/60	50/60	50/60	50/60	50/60
Phase	1	1	1	1	1	1
Max. Temp °C (°F)	300°C(572°F)	300° C(572° F)	-	-	300°C(572°F)	300° C(572° F)

DOMINIQUE DUTSCHER SAS

Heating Specifications*

Top Plate Surface - Solid Ceramic

Models	4" x 4"	7" x 7"	10" x 10"
Temperature range	30°C - 540°C (86°F - 1004°F)**		30°C - 400°C (86°F - 752°F)**
Heat-up time to maximum temperature (unloaded top plate)	8 minutes		
Accuracy of the temperature display vs. the actual average temperature of a 2" diameter of setting area at the center of the top plate (setpoint 100°C unloaded)	± 5.0°C		
Temperature stability at the center of the top plate surface (@ 100°C unloaded)	± 2.0°C		
Typical accuracy of remote probe at user selected calibration temperature after calibration procedure	±1.8°C		
Temperature stability using remote probe (500 ml of water in a 1000 ml flask at 70°C)	±0.5°C		

Top Plate Surface - Solid Aluminum

Models	7" x 7"
Temperature range	30°C - 300°C (86°F - 572°F)**
Heat-up time to maximum temperature (unloaded top plate)	10 minutes
Accuracy of the temperature display vs. the actual average temperature of a 2” diameter of setting area at the center of the top plate (setpoint 100°C unloaded).	± 10.0°C
Temperature stability at the center of the top plate surface (@ 100°C unloaded)	± 2.0°C
Typical accuracy of remote probe at user selected calibration temperature after calibration procedure	± 1.8°C
Temperature stability using remote probe (500ml of water in a 1000 ml flask at 70°C)	± 0.5°C

Stirring Speed Specifications

Speed Range 50 to 1500 RPM(Maximum speed is dependent on the viscosity of the solution).
Stability of the stirring speed setpoint (600 ml of water in a 1000 ml glass flask) ± 5.0% at 1000 RPM

Top Plate Size	Max Recommended Flask Size	Max Weight on Top Plate
4" x 4"	1 liter	15 lbs
7" x 7"	4 liters	25 lbs
10" x 10"	6 liters	35 lbs

** The specification defined in this section is derived from testing data statistics of Thermo Fisher Scientific lab. We reserve the right to make changes in design and specification without prior notice.*

*** As the top plate becomes dirty, the maximum temperature will decrease. To return the unit to its maximum temperature performance, use a mild abrasive to remove stained areas.*

DOMINIQUE DUTSCHER SAS

Environmental Conditions

Operating:	5°C to 35°C; 20% to 80% relative humidity, non-condensing. Installation category II (overvoltage) in accordance with IEC 664. Pollution degree 2 in accordance with IEC 664. Altitude Limit: 2,000 meters.
Storage:	-25°C to 65°C 10% to 85% relative humidity

Declaration of Conformity

We hereby declare under our sole responsibility that this product conforms with the technical requirements of the following standards:

EMC:	EN 61000-3-2	Limits for harmonic current emissions
	EN 61000-3-3	Limits for voltage fluctuations and flicker
	EN 61326-1	Electrical equipment for measurement, control, and laboratory use; Part I: General Requirements
Safety:	EN 61010-1	Safety requirements for electrical equipment for measurement, control, and laboratory use; Part I: General Requirements
	EN 61010-2-010	Part II: Particular requirements for laboratory equipment for the heating of materials
	EN 61010-2-051	Part II: Particular requirements for laboratory equipment formixing and stirring

per the provisions of the Electromagnetic Compatibility Directive 2014/30/EU, and per the provisions of the Low Voltage Directive 2014/35/EU.

Copies of the Declaration of Conformity are available upon request.

DOMINIQUE DUTSCHER SAS