Specification Information

Model		IMP180 Benchtop Model	IMP400 Floor Model
Chamber volume	L/cu ft	178/6.3	381/13.5
Temperature range	°C	+5 to +70	
Temperature deviation over time (Measured in mid of work space)***	± °C	at 20 ≤ ±0.1 at 37 ≤ ±0.1	
Spatial temperature deviation (Measured with 27 sensors)***	± °C	at 20 ≤ ±0.2 at 37 ≤ ±0.5	20 ≤ ±0.3 37 ≤ ±0.7
Internal dimensions W x H x D	mm/in	464 x 708 x 543/ 18.3 x 27.9 x 21.4	544 x 1335 x 524/ 21.4 x 52.6 x 20.6
External dimensions W x H x D	mm/in	640 x 920* x 738*/ 25.2 x 36.2* x 29.1*	778 x 1545** x 770**/ 30.6 x 60.8** x 30.3**
Footprint	m²/ft²	0.47/5.1	0.56/6.0
Number of shelves: supplied/maximum	units	2/9	2/17
Number of shelf positions	positions	19	39
Shelf size (W x D)	mm/in	439 x 505/17.28 x 19.88	528 x 498/20.79 x 21.06
Loading capacity per shelf**	kg/lbs	25/55	30/66
Loading capacity of unit**	kg/lbs	75/165	75/165
Weight of unit	kg/lbs	84/185	167/368
Shipping weight	kg/lbs	97/214	216/476
Peltier modules	units	1	2
Energy consumption at 20°C	Wh/h	80	150
Access port diameter	mm/in	42/1.65	
Interior material		Stainless steel 1.4301/304	
Housing materials		Coated sheet metal	

* Depth of handle/display not included in depth (65 mm/2.6 in.); adjustable feet not included in height (35 mm/1.4 in.) – required distance to rear wall: 130 mm/5.1 in.

** Depth of handle/display not included in depth (65 mm/2.6 in.); casters not included in height (180 mm/7.1 in.) – required distance to rear wall: 150mm/5.9in.

*** All figures in this table are typical average values for series devices, based on factory standard following norm DIN12880. Please contact us for certification information or IQ/OQ documents.

Ordering Information

Heratherm refrigerated incubator models:

Description	IMP180	IMP400
Base model* (100-230V, 50/60HZ) • N. America customers will receive Nema 5-15 plug with 120V 60Hz configuration • All other customers will receive CEE7/7 plug with 230V 50Hz configuration	51031562	51031565
Customers ordering from the countries listed below should include one of the additional numbers to ensure receipt of the correct electrical configuration for the unit		
Australia - AS 3112, 230V 50Hz	51900449	
China - GB 2099, 220V 50Hz	51900900	
Denmark - SB 107, 230V 50Hz	51900481	
Italy - CEI 23-50, 230V 50Hz	51900306	
Japan - NEMA 5-15, 100V 60Hz	51900312	
Switzerland - SEV 1011, 230V 50Hz	51900300	
South/Central America - NEMA 5-15, 120V 60Hz	51900307	
United Kingdom - BS1363/A, 230V 50Hz	51900303	

IMP400
Floor Model

IMP180
Benchtop Model

Heratherm refrigerated incubator models with internal electrical outlet:

(The units below include the base model with one internal electrical outlet)

Description	IMP180	IMP400
Unit with electrical outlet US - 120V, 60Hz (Nema 5-15 plug and interior outlet)	51031563	51031566
Unit with electrical outlet EU - 230V, 50/60Hz (CEE 7/4 plug and interior outlet)	51031564	51031567
Unit with electrical outlet UK - 230V, 50/60Hz (BS 1363 plug and interior outlet)	51031564 + 51900303	51031567 + 51900303

Internal electric outlet

Factory installed options:

Description	IMP180	IMP400
Door hinge left	51900993	51901213
Stainless steel exterior	51900992	51901212
Heratherm access port center of left side, small*	51900996	51900996
Heratherm access port center of left side, large**	51900997	51900997
Heratherm access port center of right side, small*	51900998	51900998
Heratherm access port center of right side, large**	51900999	51900999
Heratherm access port center of top, small*	51901000	51901000
Heratherm access port center of top, large**	51901001	51901001

Access ports on the top and side of the unit

* Diameter: 22 mm/0.87 in.
** Diameter: 52 mm/2.05 in.

Customer Installed Accessories

Description	Order No.	Additional Information
Additional perforated stainless steel shelf for IMP180	50127777	Includes 2 shelf supports, 439 x 551 mm
Additional perforated stainless steel shelf for IMP400	50135241	Includes 2 shelf supports, 528 x 498 mm
Wire mesh shelf for IMP180	50127766	Includes 2 shelf supports, 448 x 511 mm
Wire mesh shelf for IMP400	50135243	Includes 2 shelf supports, 528 x 503 mm
Petri dish holder (90 mm) IMP180	50128819	Shelf with holders for Petri dishes; ø 90mm; stainless steel; for all 180 l incubators; incl. 2 shelf supports; 16 stacks; 77 mm height
Petri dish holder (50 mm) for IMP180	50128815	Shelf with holders for Petri dishes; ø 50mm; stainless steel; for all 180 l incubators; incl. 2 shelf supports; 36 stacks; 77 mm height
Drip tray for IMP180	50128792	Includes 2 shelf supports, 405 x 500 x 20 mm drip space
Stacking kit for IMP180	50126667	Required for stacking with ovens - to stack two 180 L models or 60 L/100 L on 180 L
Support stand with casters for IMP180	50127743	Height including casters: 187mm
Viton® gasket for IMP180	50130659	Gasket made of silicone-free Viton material for special applications
Viton gasket for IMP400	50135869	Gasket made of silicone-free Viton material for special applications
Vent gasket for 180L Heratherm models	50134908	For reduced condensation in applications with higher humidity
Vent gasket for 400L Heratherm models	50152305	For reduced condensation in applications with higher humidity

Learn more about our complete Heratherm microbiological incubator portfolio and accessories

Heratherm Microbiological Incubators	Compact Incubator	General Protocol Incubators		Advanced Protocol Incubators	Advanced Protocol Security Incubators	
	Table Top	Table Top	Large Capacity	Table Top	Table Top	Large Capacity
Temperature range	17 - 40 °C	Ambient +5 °C - 75 °C		Ambient +5 °C - 105 °C	Ambient +5 °C - 105 °C	
Convection technology	Mechanical	Gravity		Dual	Dual	Mechanical
Fan speed adjustable	-	-		6 speeds	6 speeds	Gentle/Fast
Rounded corners	✓	✓		✓	✓	
Microprocessor control	✓	✓		✓	✓	
Automatic overtemperature alarm	-	✓		✓	✓	
Access port		✓		✓	✓	
Stackable	-	✓	-	✓	✓	-
Stainless steel interior	-	AISI 430		AISI 304	AISI 304	
RS232 interface	-	✓		✓	✓	
Internal glass door	-	✓		✓	✓	
Easy calibration routine	-	✓		✓	✓	
Timer: weekly/daily/real time	-	-		✓	✓	
Dry alarm contact for connection of alarm device	-	-		-	✓	
Interior socket	-	-		✓ US version (The interior socket is only available for the US 120V units)	-	
Optional stainless steel exterior	-	-		✓ EU version (The SS exterior is only available for the 230V units)	✓	
Certified decontamination cycle	-	-		-	✓	
Automatic undertemperature alarm	-	-		-	✓	
Door alarm	-	-		-	✓	
Lockable door	-	-		-	✓	-
Connection for optional sample temperature sensor	-	-		-	✓	

Find out more at **thermofisher.com/refrigeratedincubators**

Thermo Fisher
S C I E N T I F I C