



HC6-400S-

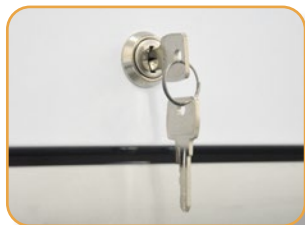
HC6-700S-

HP Series Combination Laboratory Refrigerator and Freezer

Esco HP Series Laboratory Combination Refrigerators and Freezers are designed for laboratory use offering superior product protection with long term reliability and exceptional product quality. It is a double temperature equipment featuring two independent component. It can be used for a wide variety of applications in life science. Its temperature ranges from +2°C to +15°C for refrigerator and -10°C to -24°C for freezer.

Door Lock

- Provides additional security for expensive samples and reagents from unauthorized users



Solid Steel Door

- Solid doors provide superior insulation
- Doors automatically close under 90° when released to maintain temperature and to protect samples

Internal LED Lighting

- Save up to 70% power with less heat exposure to precious samples. LED lighting also has a longer lifetime than fluorescent or incandescent lighting



Wheels

- Provided as a standard to make units easy to locate and move



Small Caster



Standard Caster

Controller

- Displays data about the unit and used to control temperature and other menu



Touchscreen Controller



Standard Controller

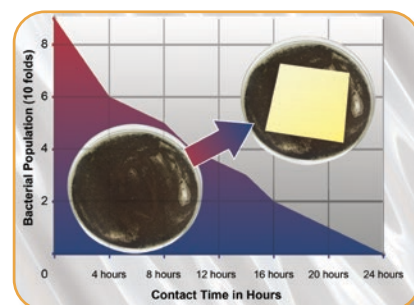
Stainless Steel Interior

- Avoids corrosion and protects your precious samples from contamination



Quality Esco Construction

- Electrogalvanized steel with white, oven-baked epoxy-polyester, anti-microbial, **ISOCIDE™** powder-coated finish to eliminate 99.9% of surface bacteria within 24 hours of exposure



HC6-400S-

Guide to Models, HP Series Laboratory Combination Refrigerator and Freezer

H C 6 - 4 0 0 -											
Product Line	Code	Type	Code	Temperature Range	Code	Volume	Code	Controller	Code	Electrical Code	Code
High Performance	H	Combination of Refrigerator and Freezer	C	Refrigerator: +2°C to +15°C (35.6°F to 59°F) Freezer: -10°C to -24°C (14°F to -11.2°F)	6	Refrigerator: 170 L (6.0 cu. ft) Freezer: 160 L (5.7 cu. ft)	400	Standard	S	220-240 VAC, 50 Hz	1
						Refrigerator: 260 L (9.19 cu. ft) Freezer: 265 L (9.77 cu.ft)	700	Touchscreen	T	110-120 VAC, 50/60 Hz	2
										220-240 VAC, 60 Hz	3

General Specifications, HP Series Laboratory Combination Refrigerator and Freezer

Model	220-240 VAC, 50 Hz	HC6-400S-1 2130011	HC6-400T-1 2130021	HC6-700S-1 2130012	HC6-700T-1 2130022
	110-120 VAC, 50/60 Hz	HC6-400S-2 2130055	HC6-400T-2 2130057	HC6-700S-2 2130059	HC6-700T-2 2130061
	220-240 VAC, 60 Hz	HC6-400S-3 2130054	HC6-400T-3 2130056	HC6-700S-3 2130058	HC6-700T-3 2130060
Capacity		Refrigerator: 170 L (6.0 cu. ft) Freezer: 160 L (5.7 cu. ft)		Refrigerator: 260 L (9.2 cu. ft) Freezer: 265 L (9.4 cu. ft)	
Temperature Range		Refrigerator: +2°C to +15°C (35.6°F to 59°F) Freezer: -10°C to -24°C (14°F to -11.2°F)			
Temperature Uniformity Range		±3°C (37.4°F)			
Ambient Temperature		N (+16°C to +32°C)		SN - ST (+10°C to +32°C) - (+18°C to +38°C)	
Door		2 solid doors, steel white color with aluminum handle and powder-coated with ISOCIDE™			
Alarms		Open door, High/Low temperature, Clogged condenser filter			
Controller		Standard Controller with 0.1°C resolution, password protected	Touchscreen Controller	Standard Controller with 0.1°C resolution, password protected	Touchscreen Controller
Defrost		Intelligent Automatic			
Warranty		2 years			
Certifications		CE Mark			
Door Lock		Key Lock	Electronic Lock	Key Lock	Electronic Lock
Dry Contacts Alarm		Dry contact to connect to remote alarms			
Lighting		LED			
Wheels		Small Caster (3.5 cm)		Standard Caster (10.5 cm)	
CFC and HCFC Free Refrigerant		R452A			
Heat Emission		560 + 986 W			
Power Consumption (kW/24H)		7.8		13.8	
Power Consumption (Running Mode)		7.2 + 8.5 kW/24H			
Power Consumption (Standby)		50 W			
Interior Walls		AISI 304 Stainless steel			
Default Number of Shelves		2+2 shelves			
Maximum Number of Shelves/Drawers		3+3 / 3+3			
Typical Noise Level (<dBA)		53		55	
Internal Dimensions (W x D x H)		Refrigerator: 500 x 490 x 685 mm (19.7" x 19.3" x 27.0") Freezer: 500 x 496 x 730 mm (19.7" x 19.5 x 28.7")		Refrigerator: 600 x 686 x 700 mm (23.6" x 27.0" x 27.6") Freezer: 600 x 686 x 740 mm (23.6" x 27.0" x 29.1")	
Type of Insulation		Polyurethane Foam			
Insulation Thickness		Refrigerator: 50 mm (2.0") Freezer: 70 mm (2.8")		Refrigerator: 60 mm (2.4") Freezer: 60 mm (2.4")	
External Dimensions (W x D x H)		600 x 630 x 2015 mm (23.6" x 24.8" x 79.3")		720 x 860 x 2050 mm (28.3" x 33.9" x 80.7")	
Net Weight		145 Kg (319.7 lbs)		155 Kg (341.7 lbs)	
Shipping Weight		172 Kg (379.2 lbs)		222 Kg (489.4 lbs)	
Shipping Volume		1.21 m³ (42.7 cu. ft)		1.80 m³ (63.6 cu. ft)	
Shipping Dimensions (W x D x H)		730 x 770 x 2150 mm (28.7" x 30.3" x 84.6")		840 x 960 x 2220 mm (33.1" x 37.8" x 87.4")	

OPTIONS AND ACCESSORIES



Shelf Kits (SK_)

Atoxic, plastic-coated steel, supported by anti-tilt clips. It is for additional space inside your chamber where you can place your samples. It also provides a good support for your samples to prevent damage and maintain organization of samples.



Drawer Kits (DK_)

A drawer extractible on telescopic slides, adjustable in height, bottom made of painted stainless steel, beehive structure type, supplied with adjustable dividers made of polypropylene, front is fitted with an ergonomic aluminum handle, for the storage of samples in a more convenient and organized way.



Digital Monitor (DM_)

An independent visual/acoustic alarm and recording system, with an accuracy of 0.1°C due to the PT100 probe used for temperature detection. It will take over alarm failures, together with standard rechargeable batteries that record event such as unauthorized personnel.



Access Port (AP_)

A 15 mm or 35 mm diameter hole that will be placed at the back of the unit, closed with a white plastic cap, used for the access of additional probes inside the chamber.



Basket Kit (BK1)

Made of stainless steel that provides an anti-corrosion environment for your samples. It is mounted on anti-tilt side slides and can be glided outside the chamber for the purpose of easy access to samples.



Chart Recorder

The chart recorder provides an easy-to-read graph of data vs time. It is a reliable, accurate, and stable instrument, for on-the-spot written documentation of chamber temperature.

Model	Item Code	Description
SK1	1330063	Shelf Kits for HR1-140, HF2-140 (Standard and Touchscreen models)
SK2	1330064	Shelf Kits for HR1-400, HF2-400 and HC6-400 (Standard and Touchscreen models)
SK3	1330065	Shelf Kits for HR1-700, HF2-700, HF3-700, HC6-700, HR1-1500 and HF2-1500 (Standard and Touchscreen models)
SK4	1330066	Shelf Kits for HF3-400 (Standard and Touchscreen models)
DK1	1330067	Drawer Kits for HR1-140, HF2-140 (Standard and Touchscreen models)
DK2	1330068	Drawer Kits for HF2-400, HR1-400 and HC6-400 (Standard and Touchscreen models)
DK3	1330069	Drawer Kits for HR1-1500, HF2-1500, HR1-700, HF2-700 and HC6 700 (Standard and Touchscreen models)
DK4	1330070	Drawer Kits for HF3-400 (Standard and Touchscreen models)
DK5	1330071	Drawer Kits for HF3-700 (Standard and Touchscreen models)
DM1	1330072	Backup battery + Digital Monitor + PT100 probe for temperature monitoring and recording during power failure. (Single Chamber, Touchscreen Models)
DM2	1330073	Backup battery + Digital Monitor + PT100 probe for monitoring and recording during power failure. (Dual Chamber, Touchscreen Models)
AP15	5171092	15 mm Access Port with inner and outer wall cover (Standard and Touchscreen models)
AP35	1330075	35 mm Access Port with inner and outer wall cover (Standard and Touchscreen models)
BK1	1330076	Stainless Steel Basket Kit for HR1-700, HR1-1500, HF2-700, HF2-1500, HF3-700 and HC6-700S (Standard and Touchscreen models)
Backup Battery	1330127	Standard backup battery for temperature monitoring during power failure (Standard Models)
4-20 mA	1330129	4-20 mA Output (Touchscreen models)
GSM	1330216	GSM Module (Touchscreen models)
Chart Recorder	1330185	Chart Recorder for all models (Standard and Touchscreen models)
IQOQ	9010179	Installation Qualification Operation Qualification for all models