

# STX110

## Stand-Alone

### Description

The STX110-xxSA (StandAlone) is designed for integration where the instrument is located on the floor. The STX110-xxSA incubators have their handling and climate controls on the lower part of the instrument. The robotic access Gate is located in the upper part of the housing. The SA configuration does not require table space and an SA configured StoreX can easily be put in position without the need of placing the unit on a table.

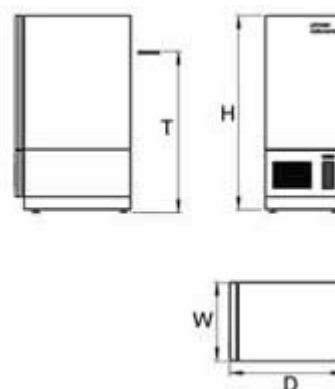
The STX110-xxSA can be used as basis for an STX110-xxBT allowing an extremely space effective integration of two incubation chambers. Like all members of the StoreX family the STX110-SA can be equipped with various types of further options and a wide selection of useful accessories. For details please refer to Options or Accessories.



### Capacity

Plate Type	Plate Height	Capacity
NTP (Nanotiter Plates)	5 mm	210
	11 mm	140
1536	12 mm	135
MTP (Microtiter Plates)	17 mm	110
	22 mm	85
	23 mm	85
	24 mm	85
	27 mm	75
DWP (Deep Well Plates)	44 mm	50
	53 mm	40
DiTi200	66 mm	35
DiTi1000	104 mm	20

### Dimensions



Width (W)	485 mm
Depth (D)	716 mm
Height (H)	1203 * mm
Transfer Height (T)	1000 mm

\* add 20-35mm for feet

## Climate

Type	Temperature	Relative Humidity		Order Nr.
STX110-ICSA	33..50°C (70°C)	max. 95 %	Incubator	9131 00 00
STX110-HCSA <sup>1)</sup>	04..25°C	max. 90 %	Humid Cooler	9131 05 00
STX110-DC2SA <sup>1) 3)</sup>	04..25°C	04..50 %	Dry Storage	9131 05 25
STX110-HRSA <sup>1)</sup>	04..50°C (70°C)	90..95 %	Humid Wide Range	9131 05 01
STX110-DRSA <sup>1) 3)</sup>	04..50°C	02..50 %	Dry Wide Range	9131 05 07
STX110-ARSA <sup>2)</sup>	04..50°C	20..90 %	Humidity Controlled	9131 05 12
STX110-DFSA <sup>1)</sup>	-20..0°C <sup>4)</sup>	04..45 %	Deep Freezer	9131 05 14
STX110-NCSA	-	-	No Climate	9131 05 28

1) Humidity depends on temperature setting

2) Humidity adjustable

3) Adjustable dehumidification

4) up to +20°C on request

## Specifications

Specifications		STX110-IC	STX110-HC	STX110-DC2	STX110-DR	STX110-HR
Application		Incubation	Humid Cooling	Dry Storage	Dry MultiRange	Humid MultiRange
Plate Capacity	Microtiter			44		
	Deep Well			18		
	Nanotiter			84		
Temperature Range (HT)	°C	33..50 (70)	4..25	4..25	4..50	4..50 (70)
Temperature Deviation	°C	+/- 0.2	+/- 0.5	+/- 1	+/- 1.5	+/- 0.3
Relative Humidity	%	max. 95	max. 90	04..50	02..50	90..95
Communication		RS232 V24, 9600Baud, ASCII				
User Software		Win32 / Windows NT / Windows2000				
Facility Requirements		100V / 50Hz; 115V / 60Hz; 230V / 50 Hz; Switchable				
Power Consumption	W	450	400	400	700	500

## Handling Specifications

Mean Access Time: 22.2 sec.

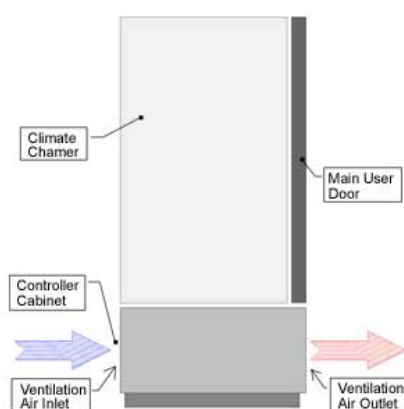
Mean Load Time: 18.7 sec.

Mean UnLoad Time: 25.7 sec.

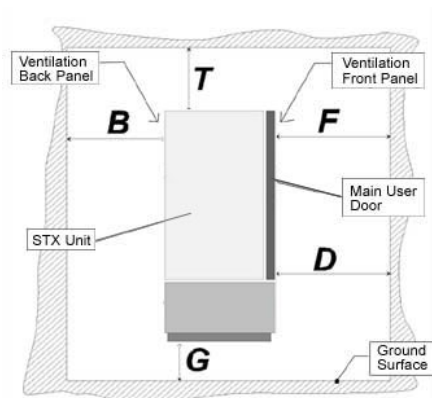
## Package Specifications

Unit	Incl. Cassettes	Net Weight	Tare	Gross weight	Package	Dimensions cm (LxWxH)
STX110-ICSA	5	122 kg	64 kg	186 kg	Crate	115 x 74 x 147
STX110-HCSA	5	150 kg	64 kg	214 kg	Crate	115 x 74 x 147
STX110-DC2SA	5	150 kg	64 kg	214 kg	Crate	115 x 74 x 147
STX110-HCSA	5	150 kg	64 kg	214 kg	Crate	115 x 74 x 147
STX110-DFSA	5	178 kg	64 kg	242 kg	Crate	115 x 74 x 147

## Installation Specifications



	STX110-HCSA	STX110-DCSA	STX110-HRSA	STX110-DFSA
<b>Mass flow for 50 Hz / 60 Hz AC main power</b>				
In cubic meters per hour	450 / 525 m3/h	450 / 525 m3/h	450 / 525 m3/h	925 / 1030 m3/h
In cubic feet per minute	265 / 309 cfm	265 / 309 cfm	265 / 309 cfm	544 / 606 cfm



	B > mm	D > mm	F > mm	G > mm	T > mm
STX110 SA / BT	100	~ 500	300	0	0 <sup>1)</sup>

1) encounter clearance for service accessibility on BT models  
IC models do not require distances "F" and "B"



		L > mm	R > mm
STX110	SA / BT	10 <sup>1)</sup>	10

1) Recommended for better accessibility

Minimum distances to the sidewalls of the units must be maintained in order to allow accessibility to main user door and in order to avoid the main user door to interfere.

## Options

	Order Nr.
High temperature 70 degrees Celsius capability	9122 06 02
Bar Code Reader Option	9118 11 03
Plate Presence Sensor	9121 00 62
Fast access for time critical applications	9111 10 00
Disposal Tips upgrade kit up to 100 mm height	9118 12 23
UCI Universal Communications Interface	9118 11 17
Liconel self decontaminating incubation chamber	9131 05 11
n-Way Decontamination Option	9122 05 28
Steam Injection Option	9118 11 18
Fast CO2 Gassing Option	9118 11 12
Fast N2 Gassing Option	9118 12 13
Fast O2 Gassing Option	9118 11 14
Additional CO2 Gassing Option	9118 11 07
Additional N2 Gassing Option	9118 11 11
Additional O2 Gassing Option	9118 11 08
Linear Shaker / Probe agitation for cell and compounds solution Amplitude 1-100mm, 12-300 rpm	9131 00 18
Side Gate on left side wall, seen from front	9131 05 20
Side Gate on right side wall, side transfer location seen from front user door	9131 05 31
Mirrored Gate Location, on back wall	9131 05 30

## Accessories

	Order Nr.
Standard MTP cassette, 22 levels, pitch=23mm	9111 05 00
Deep-well cassette, 10 levels, pitch=50mm	9111 05 42
Custom Size cassette, nn levels, mm pitch (specify plate height)	9118 12 31
MTP cassette, 22 levels, pitch=23mm, all stainless steel	9118 12 26
Deep-well cassette, 10 levels, pitch=50mm, all stainless steel	9118 12 27
Custom Size cassette, nn levels, mm pitch, (specify plate height) all stainless steel	9118 12 33
Standard Transfer Station with integrated plate detection sensor	9118 02 75
Standard Transfer Station with integrated plate detection sensor and active alignment	9118 00 58
Turn Transfer Station	9118 00 59
Swap Transfer Station	9118 11 00
Slide Transfer Station for extended transfer reach Motor up (170mm)	9118 12 28
Slide Transfer Station for double extended transfer reach (300mm)	9111 07 81
Custom Size Slide Transfer Station mm transfer reach (specify transfer reach 300-1000mm)	9118 12 30
Parallel Transfer Station	9111 09 92
Lift Station	9111 10 32
Step Turn Station	9111 11 21
Step Slide Station	9111 11 30
Shuttle Transfer Station Turn 90°, Custom Size (specify transfer reach up to 1000 mm)	9111 10 95
STX Driver	9118 12 48
STX Driver and Database	9600 00 01
STX GUI incl. STX Driver and Database	9600 00 02