LiCONiC INSTRUMENTS






# STX176

## Automated High-Content Shaker Incubator

- Market's Highest Capacity
- Includes Multiple Independent Shaker Platforms
- Simple Integration or Upgrade in the External Automation
- Maximum Shaker Running Time Making Frequent Accesses Possible
- Ultra-Stable Climate Maintained despite the Stress of Frequent Accesses

StoreX Series

# STX176 Automated High-Content Shaker Incubator

## General Information

The new STX176 High-Content Shaker incubator addresses the need for the ever-increasing numbers of plates for shaking in modern laboratory automation applications. The STX176 includes four individually controlled shaker platforms. Each shaker platform is freely configurable and independently controllable. Plates are transported by a single integrated robot and transferred to and from a single transfer location. During plate access, only the part of the shaker holding the plate to be accessed is stopped for the short duration of the transfer.

Each shaker platform may be configured for individual shaking amplitudes. Shaking speeds resp. frequencies may individually be set for each shaker platform. The latter is selectable anytime by sending a parameter through the communication interface.

The Automated High-Content Shaker design is based on Liconic's longtime-proven Automated Shaker technology. Over years of continuous development and optimization work, Liconic's new shakers have become so efficient that any negative impacts on the incubation climate have become neglectable. Without any need for external chillers, climate conditions in the new Automated High- Content Shaker incubators are equally high and precise as in an ordinary non-shaker incubator.

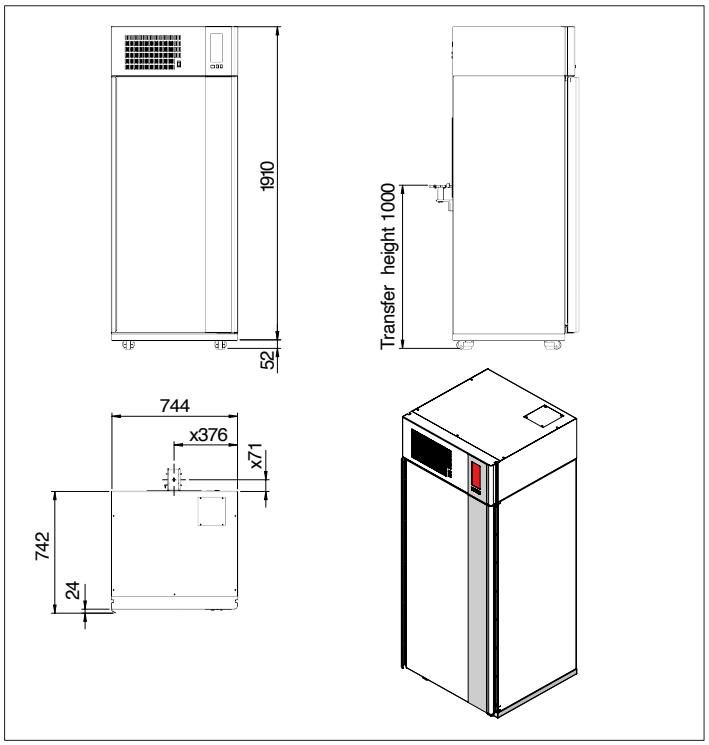
## Orbital Shaker

**Order Information Shaking option**

| Orbital | | | Order Nr. |
|---|---|---|---|
| 1mm Amplitude | 600 rpm max. | for STX44 | 9118 12 24 |
| 1mm Amplitude | 1200 rpm max. | for STX44 | 9118 12 25 |
| 1.5mm Amplitude | 1000 rpm max. | for STX44 | 9118 26 98 |
| 2mm Amplitude | 800 rpm max. | for STX44 | 9118 13 01 |
| 3mm Amplitude | 600 rpm max. | for STX44 | 9118 12 41 |
| 4mm Amplitude | 600 rpm max. | for STX44 | 9118 36 38 |
| 6mm Amplitude | 400 rpm max. | for STX44 | 9118 12 42 |

Need to be ordered four times.

## Dimensions STX176 Shaker




x Position varies depending on handling adjustment within chamber

## Technical Specifications

| Shaker Motion | orbital | |
|---|---|---|
| Performance | Amplitude [mm PP] *) | Speed [min-1] **) |
| | 1 | 0-1200 |
| | 1.5 | 0-1000 |
| | 2 | 0-800 |
| | 3 | 0-600 |
| | 4 | 0-600 |
| | 6 | 0-400 |
| Labware | All SBS-Format Plates (MTP, DWP…) | |
| Cassette | 2 | |
| | Shaker-Type, All Stainless | |
| | Removable by User | |
| Software Control | Communications | Through Standard Port |
| | Activate / Deactivate | Software, Remote Command |
| | Speed | Software, Remote Parameter |
| | Plate Access | Random |
| | Positioning | Automatic |
| | Robotic Access | Software, Remote Command |
| Manual Operation | Manual Access | Front Door by User |
| | Cassette Access | Manually by User |
| | Shaker Safety | Automatic Stop by Front Door |
| Options | BCR Plate Identification | |

* to be defined on order
** Please allow –20% in case multiple Shaker Platforms are operated at maximum specified operation speed

Information within this document is subject to change without prior notice.
Specification values without tolerances assume a +/- 10% tolerance.
For details please contact our applications team: sales@liconic.com

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