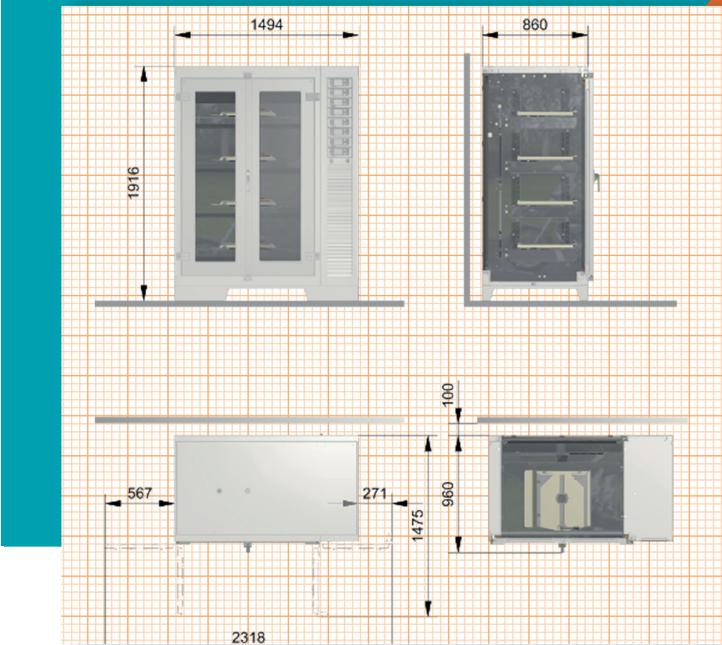


## Dimensions



● Technical data	ISF4-X(C)* Basic	ISF4-X(C)* Compressor
Cooling	no	yes
Humidity control	no	no / yes
Temperature minimum	ambient + 10°C	ambient -10°C
Temperature maximum	80°C (60°C)*	80°C (60°C)*
Humidity maximum	-	- / 85 % r.h.
Power consumption	< 1700W	< 2000W / < 2600W
● Machine		
Gas volume	1272 l	
Weight (with cooling)	520 kg	
Weight with 4xSF-X	720 kg	
Illumination	2 fl lamps	
Operation menu in	de, fr, en, it, es	
Interface, standard	CAN-Bus	
Interface, optional	USB, Ethernet digital, analogue	
Ambient temperature	10°C up to 35°C	
● Shaking unit SF-X		
Tray, size	F (800x420mm)	
Loading, maximum	25kg	
Setting, digital	1 rpm	
Accuracy, absolute	± 0.5 rpm	
Timer	1s ... 999h	
Acceleration	controlled	
Active brake	adjustable	
Stop on position	adjustable	
● Shaking motion	Speed	
* orbital, Ø 12.5mm	20...500 rpm	
* orbital, Ø 25.0mm	20...400 rpm	
* orbital, Ø 50.0mm	20...300 rpm	
* linear, 12.5mm	20...400 rpm	
* linear, 25.0mm	20...300 rpm	
* linear, 50.0 mm	20...200 rpm	
* can be changed/other diameters on request		
● Temperature		
Setting, digital	0.1°C	
Accuracy, absolute (across the tray)	± 0.30°C (37°C)	
Principle of sensor	Pt-100	
Power of heating	1000W	
Power of cooling (electric)	150...420W	
Air circulation	700m3/h	
● Humidity		
max. at 25..55°C	85% r.h.	
Setting, digital	1% r.h.	
Accuracy, absolute	± 2% r.h.	
Principle of sensor	capacitive	
Water refill	automatic	
Water heater	300W	
Door heater	220W	
● CO <sub>2</sub>		
Principle of sensor	Infrared, NDIR	
Measuring range	0...20% CO <sub>2</sub>	
Setting, digital	0.1%	
Accuracy, absolute	± 0.40%	
	at 5% CO <sub>2</sub>	
(including non-linearity, repeatability and calibration uncertainty)		
Temperature range	5...60°C	
CO <sub>2</sub> -supply	max. 2 bar overpressure	
● Mains connection		
220 - 240 V / 50-60 Hz		
190 - 210 V / 50-60 Hz		

\* XC incubator shakers are optimised  
for cell cultivation

+ CO<sub>2</sub> control included  
as standard  
+ Temperature max.: 60°C

● Mains connection

220 - 240 V / 50-60 Hz

190 - 210 V / 50-60 Hz

Technical data subject to change