



Spark-free cabinets - EX series

Laboratory cabinets with a spark-free interior



Contents not supplied

The German guidelines „Working Safely in Laboratories BG-I 850-0“ stipulates that interior spaces must be explosion-protected where hazardous, explosive environments can develop (for example, due to the presence of flammable liquids).

The Lovibond® cabinets in the EX range meet the requirements of these guidelines and are fully equipped for daily laboratory use.

The cabinets consist of a sturdy sheet steel housing with impact-proof and jolt-resistant powder coating. Improved, robust, insulated housing and highly efficient components provide maximum energy efficiency.

The robust interior is made of high-quality, strong white plastic material (PS).

The door is lockable and supplied with a right-hand hinge as standard (but can easily be converted to a left-hand hinge). A tight door seal is ensured by an all-round magnetic gasket.

The temperature in the refrigerator can be continuously adjusted over the range +1°C to +15°C; a room thermostat ensures constant control. The digital temperature display enables the interior temperature to be easily read. The high performance fan provides for an even temperature distribution inside.

The models EX 220, EX 300 and EX 490 have a “fan stop” function, which switches the fan off when the door is opened.

Applications

- Laboratories
- Research Centres
- Universities

Technical data	EX 160	EX 220	EX 300	EX 490
Cooling	Powerful compressor unit, mounted on low noise, vibration-free bearings			
Coolant	R600a			
Defrost	Automatic defrost - condensation drains into a collection bowl within the refrigerator			
Temperature	1 °C to 15 °C			
Sound Power Level	47 dB			
Shelf loading capacity	40 kg			
EX-safety	Spark-free interior			
Height adjustment	Adjustable front feet			
Door	lockable, door hinges changeable			
Power supply	220 - 240 V / 50 Hz			
Shelf	4 (3 height-adjustable glass shelves)	5 (4 height-adjustable glass shelves)	6 (5 height-adjustable glass shelves)	
Connection value	1 A		1,5 A	
Power consumption	0,898 kWh / 24 h	0,786 kWh / 24 h	0,947 kWh / 24 h	0,983 kWh / 24 h
Climate class	SN, 10 °C bis 32 °C	SN-T, 10 °C bis 43 °C		
Temperature control	infinitely variable1 °C to 15 °C			
Inside dimensions (ca.)	513 W x 441 D x 702 H mm	470 W x 440 D x 1062 H mm	470 W x 440 D x 1452 H mm	600 W x 560 D x 1452 H mm
Overall dimensions (ca.)	600 W x 600 D x 860 H x mm	600 W x 610 D x 1250 H x mm	600 W x 610 D x 1640 H mm	750 W x 730 D x 1640 H mm
Net capacity	ca. 160 l	ca. 220 l	ca. 300 l	ca. 490 l
Weight	ca. 41,0 kg	ca. 53,0 kg	ca. 64,0 kg	ca. 84,0 kg
Approval	CE			
Code	2422105	2422115	2422125	2422135
Spares / Accessoires				
Safety- and collecting tub (PP)	422155	422156		422157
Glass shelf	422165	422166		422167

The product complies with the following
European directives and regulations: 2006/42/EC, 2006/95/EC, 94/9/EC, 2004/108/EC, 2011/65/EU.

