

# Elastocon®

## Lab Freezers

**ET 03** Low Temperature freezer -10 to -45 °C

**ET 07** Very Low Temperature freezer -30 to -60 °C

**ET 04** Ultra low Temperature freezer -50 to -85 °C



**Laboratory freezer ET 03** with conversion kit ET 03.01-6 for 6 rigs, and the EV 09 test rig, for testing of low temperature compression set.

**Elastocon freezing boxes** have a highly efficient insulation resulting in very slow temperature rise. The insulation also results in a large inner volume, which together with minimal outer volume saves space and gives low energy consumption. This provides less influence on the environment as well as the pure environmental friendly refrigerant.

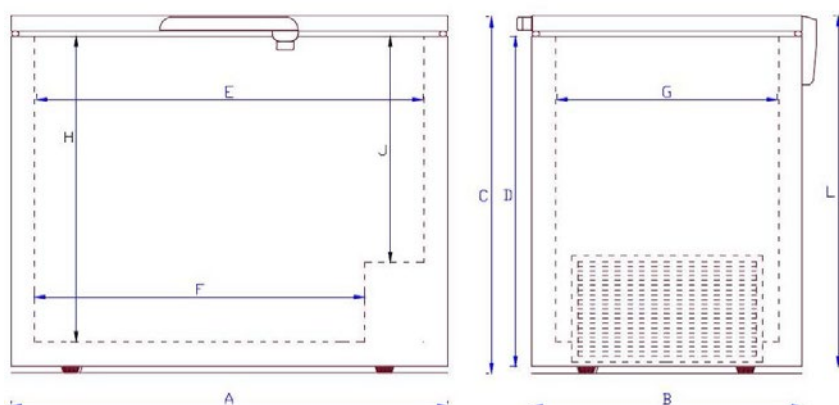
With a low noise level of less than <51 dB the freezers are ideally suitable for use in laboratory environments. They are supplied with a digital temperature display and acoustic temperature alarm. Thanks to construction no inner lids are needed.

### Elastocon offers 3 different models of lab freezers

- **Low temperature freezer, ET 03** (-10 °C to -45 °C), suitable for compression set at low temperature
- **Very low temperature freezer, ET 07** (-30 °C to -60 °C)
- **Ultra low temperature freezer, ET 04** (-50 °C to -85 °C), suitable for cooling the liquid for Gehman, TR-testers, and other Low Temperature Tests

# Technical specifications

## ET 03 Low temperature freezer -10 to -45 °C



	11 LT	21 LT	31 LT	41 LT	51 LT
Temperature range inside unit, °C	-10 to -45	-10 to -45	-10 to -45	-10 to -45	-10 to -45
Ambient temperature range, °C	+10 to +30	+10 to +30	+10 to +30	+10 to +30	+10 to +30
Net volume, litres	130	226	300	360	416
Energy consumption/24 h, kwh	3,4	4,6	5,4	5,8	7,1
Input power, watt	210	360	360	400	420
Net weight, kg	46	59	67	74	80
Gross weight, kg	49	62	71	78	85

### DIMENSIONS, in mm

	11 LT	21 LT	31 LT	41 LT	51 LT
External dimensions (w × d × h)	725 × 655 × 865	1055 × 655 × 865	1305 × 655 × 865	1505 × 655 × 865	1705 × 655 × 865
Internal dimensions (w × d × h)	520 × 450 × 650	850 × 450 × 650	1100 × 450 × 650	1300 × 450 × 650	1500 × 450 × 650
Dimension A	725	1055	1305	1505	1705
Dimension B	655	655	655	655	655
Dimension C	865	865	865	865	865
Dimension D	780	780	780	780	780
Dimension E	520	850	1100	1300	1500
Dimension F	320	650	900	1100	1300
Dimension G	450	450	450	450	450
Dimension H	650	650	650	650	650
Dimension J	400	400	400	400	400
Dimension L	850	850	850	850	850
Insulation	100	100	100	100	100

### OTHER DATA, all models

Outer cabinet	White
Inner cabinet	Aluminium
Type of cooling	Static
Type of defrost	Manual
Power	220–240 V/50 Hz
Thermostat	Digital
Refrigerant	R290

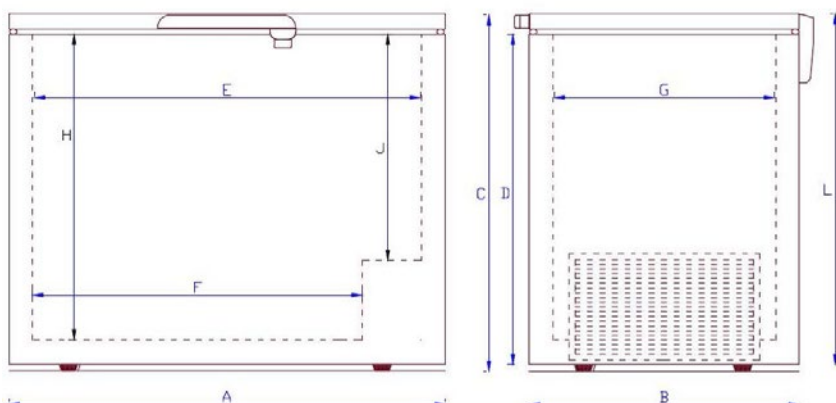
### ACCESSORIES

Dividers	Optional
Max. number of baskets (option)	1                      2                      3                      4                      4
Castors	Optional
Castors w. brakes	Optional
Lock	Included
Digital controller w. acoustic alarm	Included

ELASTOCON reserve the right to modify these specifications in part or in whole.

# Technical specifications

## ET 07 Very low temperature freezer -30 °C to -60 °C



	11 VLT	21 VLT	31 VLT	41 VLT	60 VLT
Temperature range inside unit, °C	-30 to -60	-30 to -60	-30 to -60	-30 to -60	-30 to -60
Ambient temperature range, °C	+10 to +30	+10 to +30	+10 to +30	+10 to +30	+10 to +30
Net volume, litres	130	226	300	360	481
Energy consumption/24 h, kwh	4,3	5	5,2	6,1	9,2
Input power, watt	375	455	544	587	612
Net weight, kg	56	67	80	89	95
Gross weight, kg	63	74	88	97	104

### DIMENSIONS, in mm

External dimensions (w × d × h)	725 × 655 × 865	1055 × 655 × 865	1305 × 655 × 865	1505 × 655 × 865	1705 × 655 × 865
Internal dimensions (w × d × h)	520 × 450 × 650	850 × 450 × 650	1100 × 450 × 650	1300 × 450 × 650	1540 × 490 × 670
Dimension A	725	1055	1305	1505	1705
Dimension B	655	655	655	655	655
Dimension C	865	865	865	865	865
Dimension D	780	780	780	780	780
Dimension E	520	850	1100	1300	1540
Dimension F	320	650	900	1100	1340
Dimension G	450	450	450	450	490
Dimension H	650	650	650	650	670
Dimension J	400	400	400	400	420
Dimension L	850	850	850	850	850
Insulation	100	100	100	100	80

### OTHER DATA, all models

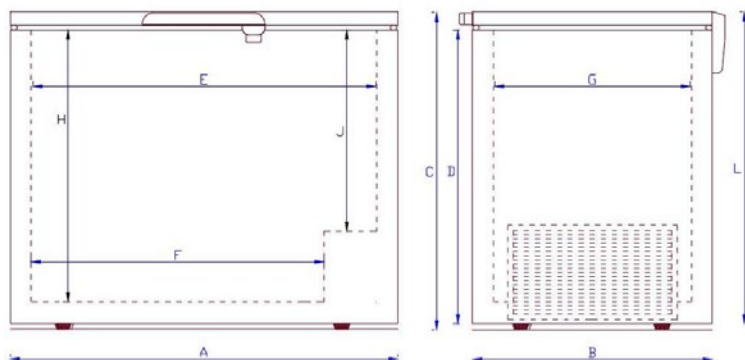
Outer cabinet	White
Inner cabinet	Aluminium
Type of cooling	Static
Type of defrost	Manual
Power	220–240 V/50 Hz
Thermostat	Digital
Refrigerant	Mix of 2 Hydro carbons

### ACCESSORIES

Dividers	Optional
Max. number of baskets (option)	1                      2                      3                      4                      4
Castors	Optional
Castors w. brakes	Optional
Lock	Included
Digital controller w. acoustic alarm	Included

# Technical specifications

## ET 04 Ultra Low temperature freezer -50 to -85 °C



	11 ULT	31 ULT	51 ULT
Temperature range inside unit, °C	-50 to -85	-50 to -85	-50 to -85
Ambient temperature range, °C	+10 to +30	+10 to +30	+10 to +30
Net volume, litres	130	300	416
Energy consumption/24 h, kwh	5,8	8,5	10
Input power, watt	480	710	840
Net weight, kg	56	80	95
Gross weight, kg	63	88	104

### DIMENSIONS, in mm

	11 ULT	31 ULT	51 ULT
External dimensions (w x d x h)	725 x 655 x 865	1305 x 655 x 865	1705 x 655 x 865
Internal dimensions (w x d x h)	520 x 450 x 650	1100 x 450 x 650	1500 x 450 x 650
Dimension A	725	1305	1705
Dimension B	655	655	655
Dimension C	865	865	865
Dimension D	780	780	780
Dimension E	520	1100	1500
Dimension F	320	900	1300
Dimension G	450	450	450
Dimension H	650	650	650
Dimension J	400	400	400
Dimension L	850	850	850
Insulation	100	100	100

### OTHER DATA, all models

Outer cabinet	White
Inner cabinet	Painted steel
Potential free contact	Included
CO <sup>2</sup> back up	Optional
Data logger	Optional
Remote alarm	Optional
Type of cooling	Static
Type of defrost	Manual
Power	220-240 V/50 Hz
Thermostat	Digital
Refrigerant	Mix of Hydro Carbons

### ACCESSORIES

Dividers	Optional		
Max. number of baskets (option)	1	3	4
Castors/w. brakes	Included		
Lock	Included		
Digital controller w. acoustic alarm	Included		

ELASTOCON reserve the right to modify these specifications in part or in whole.

# Elastocon®

### Elastocon AB

Tvinnargatan 25 • SE-507 30 Brämhult • Sweden  
 Phone: +46 33 323 39 00 • E-mail: info@elastocon.se  
[www.elastocon.com](http://www.elastocon.com)