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 then <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 innerlids 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 -86 °C), suitable for cooling the liquid for Gehman and TR testers, and other low temperature tests.

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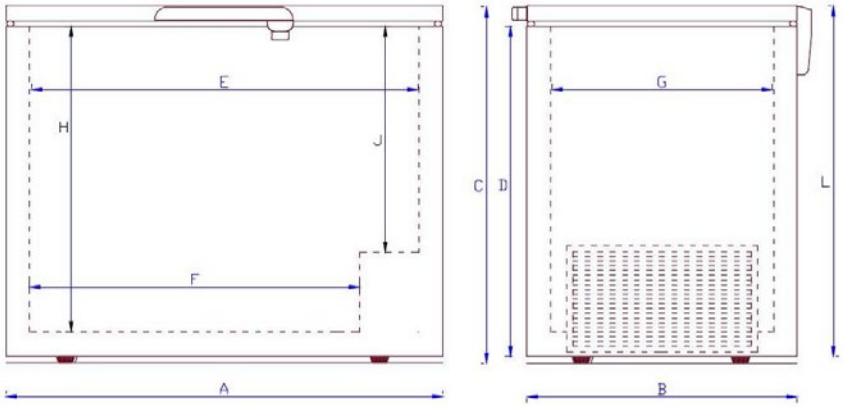
Technical specifications

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

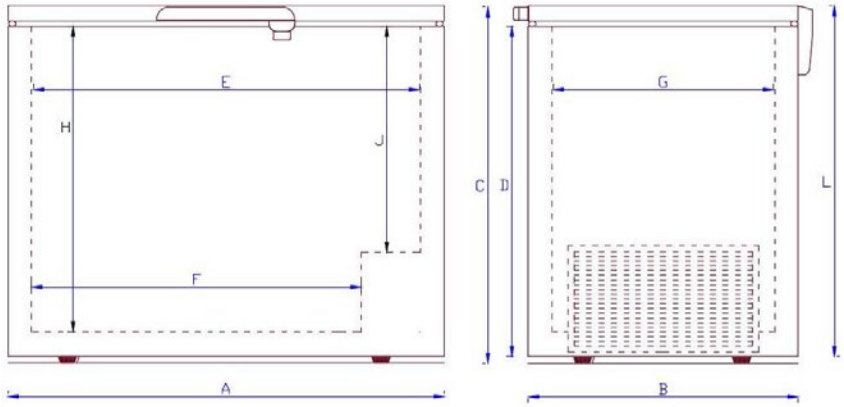


	11 LT	21 LT	31 LT	41 LT	51 LT
Temperature range inside unit, °C	-10 to -45	-10 to -45	-10 to -45	-10 to -45	-10 to -45
Ambient temperature range, °C	+10 to +30	+10 to +30	+10 to +30	+10 to +30	+10 to +30
Net volume, litres	130	226	300	360	416
Energy consumption/24 h, kwh	3,4	4,6	5,4	5,8	7,1
Input power, 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					
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				

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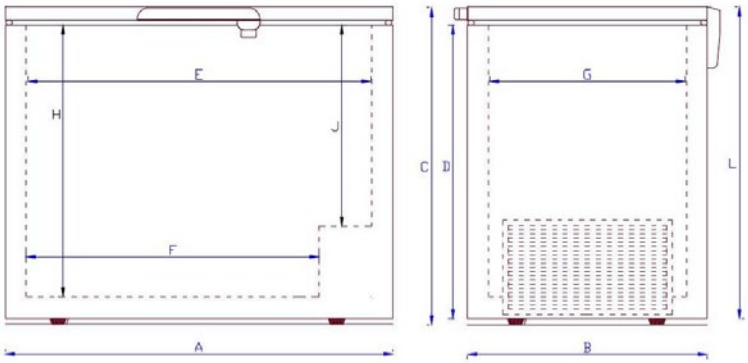
Technical specifications

ET 04 Ultra low temperature freezer -50 to -86 °C



	8 ULT	11 ULT	31 ULT
Temperature range inside unit, °C	-50 to -86	-50 to -86	-50 to -86
Ambient temperature range, °C	+10 to +30	+10 to +30	+10 to +30
Net volume, litres	87	123	284
Energy consumption/24 h, kwh	–	5,8	8,5
Input power, watt	380	480	710
Net weight, kg	54	56	80
Gross weight, kg	57	63	88
DIMENSIONS, in mm			
External dimensions (w × d × h)	605 × 655 × 865	725 × 655 × 865	1305 × 655 × 865
Internal dimensions (w × d × h)	400 × 450 × 650	520 × 450 × 650	1100 × 450 × 650
Dimension A	605	725	1305
Dimension B	655	655	655
Dimension C	865	865	865
Dimension D	780	780	780
Dimension E	400	520	1100
Dimension F	200	320	900
Dimension G	450	450	450
Dimension H	620	620	620
Dimension J	370	370	370
Dimension L	850	850	850
Insulation	100	100	100
OTHER DATA, all models			
Outer cabinet	White		
Inner cabinet	Painted steel		
Potential free contact	Included		
Inner foam lids incl (pcs)	2	2	5
Type of cooling	Static		
Type of defrost	Manual		
Power	220 V/50 Hz		
Refrigerant	Mix of hydro carbons		
ACCESSORIES			
Basket and dividers	n/a		
Castors with brakes	Included		
Lock	Included		
Digital controller w. acoustic alarm	Included		
Data logger (independent)	Optional		

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