

# CSF61L

## Technical data sheet - without loading

CFC / HCFC free	yes
Climate class acc to EN ISO 23953-2	0, 2, 3, 4, 6
Ambient temperature range °C (°F)	from +10 to +32 ( from 50 to 90 )
Relative humidity at ambient temperature	≤ 70%
Voltage V	380-400 ( 480 )
Frequency Hz	50/60 ( 60 )
Fuse Amp	32
Rated power W	8200
Rated current A	12
Energy consumption during stable running (unloaded) KWh/h	0,7
Average heat ejection during freezing process (kcal/h)	3397
Average heat ejection during ECO-mode (kcal/h)	2938
Noise level dB(A) (in 1,6m height +1m distance)	73
Defrosting technique	hot gas
Compressor manufacturer	Bitzer
Compressor type	S4T-5.2Y
Cooling capacity (CECOMAF-EN12900) W	6610
Expansion valve	Danfoss TX2
Refrigerant type	R449A
Refrigerant quantity g (oz)	5600 ( 197.53 )
Stabilized pressure bar gauge	11
Running low pressure bar gauge	0
Running high pressure bar gauge	18
Body material	Steel (1.0330+ZE25/25) - powder painted 60-90 ym
Plate dimensions mm (inch)	680 x 630 ( 26.77 x 24.80 )
External width mm (inch)	1080 ( 42.52 )
External depth mm (inch)	830 ( 32.68 )
External height mm (inch)	1910 ( 75.20 )
Net weight (with standard equipment) kg (lbs)	600 ( 1322.77 )
Net weight external unit kg (lbs)	n.m.
Castors	standard
Pedestal	no
Water cooling	no
Air cooling	yes
External unit - External dimensions WxDxH mm (inch)	no
EMC Standards	IEC 61326-1
Safety Standards	IEC 61010-1 / IEC 61010-2-011
Medical Device Regulation	50Hz: (EU) 2017/745: Class IIa / 60Hz: 21 CFR Part 864.9700: Class II

Subject to changes without prior notice !

Revision 18/05/2020

### Measurement conditions:

**+25°C (77°F) ambient temperature unless otherwise stated and voltage 400V 50Hz  
( Data also valid for 480V 60Hz )**

**CSF61L**

**Technical data sheet - comparison with different loading**

<i>Number of bags</i>
30 ( single layer ) filled with 250ml ( 8.45 fl oz )
<i>Nominal volume of the bags ml (fl oz)</i>
350 ( 11.8 )
<i>Freezing time from +20 to -30°C (68 to -22°F) @25°C (77°F) ambient min</i>
26
<i>Freezing time from +20 to -30°C (68 to -22°F) @32°C (90°F) ambient min</i>
n.m.
<i>Freezing time pre-cooled bags from +4°C to -30°C (39°F to -22°F) @25°C (77°F) ambient min</i>
20
<i>Freezing time pre-cooled bags from +4°C to -30°C (39°F to -22°F) @32°C (90°F) ambient min</i>
n.m.
<i>Energy consumption during freezing process KWh/h</i>
1.8 ( per freezing cycle )
<i>Energy consumption during Eco-mode KWh/h</i>
0.7
<i>Water consumption during freezing process m³ (gal lqd)</i>
-
<i>Running current A</i>
8
<i>Power W</i>
3500 ( 5700 at defrosting )
<i>Running time during freezing %</i>
90

<i>Number of bags</i>
60 ( double layer ) filled with 250ml ( 8.45 fl oz )
<i>Nominal volume of the bags ml (fl oz)</i>
350 ( 11.8 )
<i>Freezing time from +20 to -30°C (68 to -22°F) @25°C (77°F) ambient min</i>
54
<i>Freezing time from +20 to -30°C (68 to -22°F) @32°C (90°F) ambient min</i>
68
<i>Freezing time pre-cooled bags from +4°C to -30°C (39°F to -22°F) @25°C (77°F) ambient min</i>
40
<i>Freezing time pre-cooled bags from +4°C to -30°C (39°F to -22°F) @32°C (90°F) ambient min</i>
44
<i>Energy consumption during freezing process KWh/h</i>
2.8 ( per freezing cycle )
<i>Energy consumption during Eco-mode KWh/h</i>
1.2
<i>Water consumption during freezing process m³ (gal lqd)</i>
-
<i>Running current A</i>
8
<i>Power W</i>
3600 ( 5700 at defrosting )
<i>Running time during freezing %</i>
90

<i>Number of bags</i>
20 ( single layer ) filled with 850ml ( 28.70 fl oz )
<i>Nominal volume of the bags ml (fl oz)</i>
1000 ( 33.8 )
<i>Freezing time from +20 to -30°C (68 to -22°F) @25°C (77°F) ambient min</i>
45
<i>Freezing time from +20 to -30°C (68 to -22°F) @32°C (90°F) ambient min</i>
58
<i>Freezing time pre-cooled bags from +4°C to -30°C (39°F to -22°F) @25°C (77°F) ambient min</i>
31
<i>Freezing time pre-cooled bags from +4°C to -30°C (39°F to -22°F) @32°C (90°F) ambient min</i>
41
<i>Energy consumption during freezing process KWh/h</i>
3.0 ( per freezing cycle )
<i>Energy consumption during Eco-mode KWh/h</i>
1.1
<i>Water consumption during freezing process m³ (gal lqd)</i>
-
<i>Running current A</i>
9
<i>Power W</i>
4800 ( 5700 at defrosting )
<i>Running time during freezing %</i>
90

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Revision 09/04/2020

**Measurement conditions:**

**+25°C (77°F) ambient temperature unless otherwise stated and voltage 400V 50Hz  
( Data also valid for 480V 60Hz )**