

U501 [water cooled]

Technical data sheet

CFC / HCFC free:	yes
Climate class:	SN
Ambient temperature range °C (°F):	from +10 to +32 (from 50 to 89.6)
Max. relative humidity:	75%
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Voltage V:	230
Frequency Hz:	50
Fuse Amp:	20
Power W:	2000
Running current A:	10
Energy consumption Kwh/24h:	11.3
Heat ejection Kcal/h:	404 [149]
Running time %:	51
Noise level dB(A) (in 1m height +1m distance):	52
Accu data / function time:	12V -7.0 AH / 48 hours
Defrosting technique:	manual
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Compressor manufacturer:	Embraco / Embraco
Compressor type:	NT2210U / NT2210U
Cooling capacity W (ASHRAE):	1180
Capillary tube, inner diam x length mm (inch):	1.24 x 3200 (0.049 x 125.98) / 1.24 x 3500 (0.049 x 137.79)
Refrigerant type:	R290 / R170
Refrigerant quantity g (oz):	150 (5.29) / 85 (3)
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Door insulation mm (inch):	65 to 82 (2.56 to 3.23) with 20mm VIP
Cabinet insulation mm (inch):	77 to 82 (3.03 to 3.23) with 20-30mm VIP
K value W/m ² ·K at 20°C (68°F):	N/A
Hold over time h at °C (°F):	1.3 from -80 to -60°C (from -112 to -76°F), @20°C (68°F)
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Net volume l (cu ft):	577 (20.377)
Gross volume l (cu ft):	598 (21.118)
Internal width mm (inch):	590 (23.23)
Internal depth mm (inch):	713 (28.07)
Internal height mm (inch):	1370 (53.94)
Internal height for usage mm (inch):	1370 (53.94)
External width mm (inch):	845 (33.27)
External depth mm (inch):	1039 (40.91)
External height mm (inch):	1988 (78.27)
Net weight kg (lbs) (with standard equipment):	276 (608.48)
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EMC standards:	IEC 61326-1
Safety standards:	IEC 61010-1 / IEC 61010-2-011
Medical Device Regulation:	(EU) 2017/745: Class IIa
GMP-clean room classification:	class ISO5/EC GMP A
ATEX / IECEx marking:	Not applicable

Subject to changes without prior notice !

Revision: 13/07/2020

Measurement conditions:

**Setpoint -80°C (-112°F) @ +20°C (68°F) ambient temperature, unless otherwise stated
All appliances without load**