

# F400 / F401 [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%
<hr/>	
<b>Voltage V:</b>	<b>230</b>
<b>Frequency Hz:</b>	<b>50</b>
Fuse Amp:	10
Power W:	1300
Running current A:	8.0
Energy consumption Kwh/24h:	5.4
Heat ejection Kcal/h:	193 [ 90 ]
Running time %:	50
Noise level dB(A) (in 1m height +1m distance):	60
Accu data / function time:	12V -7.0 AH / 48 hours
Defrosting technique:	hot gas
<hr/>	
Compressor manufacturer:	Embraco
Compressor type:	NT2210U
Cooling capacity W (ASHRAE):	1282
Capillary tube, inner diam x length mm (inch):	Expansion valve
Refrigerant type:	R290
Refrigerant quantity g (oz):	150 ( 5.29 )
<hr/>	
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 <sup>2</sup> xK at 20°C (68°F):	N/A
Hold over time h at °C (°F):	2.5 from -41 to -18°C ( from -41.8 to -0.4°F ), @25°C ( 77°F )
<hr/>	
Net volume l (cu ft):	384 ( 13.561 )
Gross volume l (cu ft):	451 ( 15.927 )
Internal width mm (inch):	447 ( 17.60 )
Internal depth mm (inch):	713 ( 28.07 )
Internal height mm (inch):	1167 ( 45.95 )
Internal height for usage mm (inch):	1150 ( 45.28 )
External width mm (inch):	699 ( 27.52 )
External depth mm (inch):	1039 ( 40.91 )
External height mm (inch):	1988 ( 78.27 )
Net weight kg (lbs) (with standard equipment):	276 ( 608.48 )
<hr/>	
EMC standards:	IEC 61326-1
Safety standards:	IEC 61010-1 / IEC 61010-2-011
Medical Device Regulation:	(EU) 2017/745: Class I / (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: 29/04/2020

### Measurement conditions:

**Setpoint -41°C ( -41.8°F ) @ +25°C ( 77°F ) ambient temperature, unless otherwise stated  
All appliances without load**