

## Technical data sheet

CFC / HCFC free:	yes
Climate class:	SN
Ambient temperature range °C:	from +10 to +32°C
relativ humidity range at °C ambient:	<= 75%
<b>Voltage V:</b>	<b>220-240</b>
<b>Frequency Hz:</b>	<b>50-60</b>
Fuse Amp:	8
Power W:	110
Starting power W:	
Energy consumption Kwh/24h:	0.89
Heat ejection Kcal/h:	29
Running time %:	31
Noise level dB(A) (in 1m height +1m distance):	
Accu data / function time:	12V -2.3 AH / 48 hours
Defrosting technique:	natural
Compressor manufacturer:	Secop
Compressor type:	NLE9KTK
Cooling capacity W (ASHRAE):	131
Capillary tube, inner diam x length mm:	0.83 x 2050
Refrigerant type:	R600a
Refrigerant quantity g:	23
Starting current A:	
Running current A:	0.5
Door insulation mm:	80
Cabinet insulation mm:	60
K value W/m <sup>2</sup> xK at 20°C #:	
Hold over time h:	2.7
Net volume l:	106
Gross volume l:	121
Internal width mm:	475
Internal depth mm:	470
Internal height mm:	630
External width mm:	595
External depth mm:	695
External height mm (with recorder):	830 ( 1005 )
Net weight kg (with standard equipment):	
Protection class:	I
EMC directive:	2014/30/EC
Low voltage directive:	2014/35/EC
GS certificate:	no
Medical device directive:	not applicable
GMP-clean room classification:	class ISO6/EC GMP B
ATEX-categorie III, zone 2, interior:	no

Subject to changes without prior notice !

Revision: 18.01.2018

Measurement conditions: +25°C ambient temperature except of #  
all appliances without load

## Technical data sheet

CFC / HCFC free:	yes
Climate class:	SN
Ambient temperature range °C:	from +10 to +32°C
relativ humidity range at °C ambient:	<= 75%
<b>Voltage V:</b>	<b>115-127</b>
<b>Frequency Hz:</b>	<b>60</b>
Fuse Amp:	8
Power W:	89
Starting power W:	
Energy consumption Kwh/24h:	0.61
Heat ejection Kcal/h:	18
Running time %:	24
Noise level dB(A) (in 1m height +1m distance):	
Accu data / function time:	12V -2.3 AH / 48 hours
Defrosting technique:	natural
Compressor manufacturer:	Embraco
Compressor type:	EM2C46CLC
Cooling capacity W (ASHRAE):	140
Capillary tube, inner diam x length mm:	0.83 x 2050
Refrigerant type:	R600a
Refrigerant quantity g:	20
Starting current A:	
Running current A:	0.8
Door insulation mm:	80
Cabinet insulation mm:	60
K value W/m <sup>2</sup> xK at 20°C #:	
Hold over time h:	2.7
Net volume l:	106
Gross volume l:	121
Internal width mm:	475
Internal depth mm:	470
Internal height mm:	630
External width mm:	595
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External height mm (with recorder):	830 ( 1005 )
Net weight kg (with standard equipment):	
Protection class:	I
EMC directive:	not applicable
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GMP-clean room classification:	class ISO6/EC GMP B
ATEX-categorie III, zone 2, interior:	no

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## Electronic data sheet

Electronic type:	Precision electronic
RS 485:	not available
DMN software:	Option
DCU:	Option
DCU Wlan:	Option
Display range °C:	-50.0°C to +50.0°C
Display indication step K:	0.1
Preset set point °C:	5
Set point range °C:	from 4 to 15
Set point adjustable step K:	0.1
Temperature distribution K: ( according to FDX 15-140 )	4
Preset warm alarm °C:	7
Preset cold alarm °C:	3
Alarm range °C:	-16 to +35
Alarm adjustable step K:	0.1
Min alarm difference to set point K:	1.5
Alarm indication:	optically + acoustically
Remote alarm relais:	change-over switch
Remote alarm relais output:	temperature and display sensor error
Additional remote alarm:	yes as standard: powerfail, system fault and door alarm
Regulation sensor type:	NTC
Regulation sensor measuring accuracy:	0.3
Display sensor type:	NTC
Display sensor measuring accuracy:	0.3
Display sensor reference body:	100ml DOW corning 200-5CST (silicon oil)
Safety thermostat at °C / type:	1,6 / capillary tube
Safety thermostat measuring accuracy:	0.3
Evaporator sensor type:	not available
Evaporator sensor measuring accuracy:	/
Ambient temp sensor as option, type:	not available
Ambient temp sensor measuring accuracy:	/

## Material and equipment

## Material specifications

Inner body material:	PP copolymer UV RAL9016
Outer body material:	PP copolymer UV RAL9016
Inner door material:	PP copolymer UV RAL9016
Outer door material:	PP copolymer UV RAL9016
Wire shelf material:	wire DIN 177, white PA11 coated RAL9010
Drawer material:	Polycarbonate, transparent

## Equipment

<i>Standard equipment inside:</i>	
2 Wire shelf and 1 drawer	
Lots of wire shelves, recommend / maximum:	See standard configuration
Lots of drawers, recommend / maximum:	See standard configuration
Lots of shuttle racks per wire shelf, maximum:	Not available
Door hinge standard / option:	right / left
Light:	LED standard
Castors:	2 rollers
Water cooling:	not available
External unit:	not available
Recorder as option, range / sensor type:	from -10 to +20°C / PT100
Recorder sensor measuring accuracy:	at +25°C ± 0,5°C
Recorder sensor reference body:	100ml DOW coming 200-5CST (silicon oil)
PT100 sensor additional as option:	yes, type class B, 3-wire
PT100 sensor measuring accuracy:	at +25°C ± 0,2°C
PT100 sensor reference body:	100ml DOW coming 200-5CST (silicon oil)
Packing standard / option:	cardboard / -