L55

Technical data sheet

CFC / HCFC free:	yes
Climate class:	SN
Ambient temperature range °C (°F):	from +10 to +32 (from 50 to 90)
Max. relative humidity:	75%
Voltage V:	**220-240**
Frequency Hz:	**50/60**
Fuse Amp:	8
Power W:	100
Running current A:	1.0
Energy consumption Kwh/24h:	0.38 @50Hz / 0.45 @60Hz
Heat ejection Kcal/h:	9
Running time %:	25
Noise level dB(A) (in 1m height +1m distance):	35 @50Hz / 36 @60Hz
Accu data / function time:	12V -2.3 AH / 48 hours
Defrosting technique:	natural
Compressor manufacturer:	Secop
Compressor type:	HTD30AG
Cooling capacity W (ASHRAE):	50
Capillary tube, inner diam x length mm (inch):	0.77 x 1700 (0.030 x 66.93)
Refrigerant type:	R600a
Refrigerant quantity g (oz):	14 (0.494)
Door insulation mm (inch):	82 (3.23)
Cabinet insulation mm (inch):	60 to 65 (2.36 to 2.56)
K value W/m²xK at 20°C (68°F):	
Hold over time h at °C (°F):	1.3 from +5 to +10°C (from 41 to 50°F), DIN58345 @25°C (77°F)
Net volume l (cu ft):	45 (1.589)
Gross volume l (cu ft):	52 (1.836)
Internal width mm (inch):	375 (14.76)
Internal depth mm (inch):	350 (13.78)
Internal height mm (inch):	470 (18.50)
External width mm (inch):	495 (19.49)
External depth mm (inch):	575 (22.64)
External height mm (inch) [with recorder]:	670 (26.38) [843 (33.19)]
Net weight with standard equipment kg (lbs):	38 (83.78)
EMC directive:	2014/30/EU
Low voltage directive:	2014/35/EU
GS certificate:	no
Medical device directive:	93/42/EEC, Class I
GMP-clean room classification:	class ISO6/EC GMP B
ATEX-categorie III, zone 2, interior:	no

Subject to changes without prior notice !   *Revision: 07.02.2019*

Measurement conditions:

**Setpoint +5°C (41°F) @ +25°C (77°F) ambient temperature, unless otherwise stated
All appliances without load**

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Technical data sheet

CFC / HCFC free:	yes
Climate class:	SN
Ambient temperature range °C (°F):	from +10 to +32 (from 50 to 90)
Max. relative humidity:	75%
Voltage V:	**115-127**
Frequency Hz:	**60**
Fuse Amp:	8
Power W:	100
Running current A:	1.0
Energy consumption Kwh/24h:	0.38
Heat ejection Kcal/h:	8
Running time %:	20
Noise level dB(A) (in 1m height +1m distance):	37
Accu data / function time:	12V -2.3 AH / 48 hours
Defrosting technique:	natural
Compressor manufacturer:	Secop
Compressor type:	HTD30AE
Cooling capacity W (ASHRAE):	64
Capillary tube, inner diam x length mm (inch):	0.77 x 1700 (0.030 x 66.93)
Refrigerant type:	R600a
Refrigerant quantity g (oz):	14 (0.494)
Door insulation mm (inch):	82 (3.23)
Cabinet insulation mm (inch):	60 to 65 (2.36 to 2.56)
K value W/m²xK at 20°C (68°F):	
Hold over time h at °C (°F):	1.3 from +5 to +10°C (from 41 to 50°F), DIN58345 @25°C (77°F)
Net volume l (cu ft):	45 (1.589)
Gross volume l (cu ft):	52 (1.836)
Internal width mm (inch):	375 (14.76)
Internal depth mm (inch):	350 (13.78)
Internal height mm (inch):	470 (18.50)
External width mm (inch):	495 (19.49)
External depth mm (inch):	575 (22.64)
External height mm (inch) [with recorder]:	670 (26.38) [843 (33.19)]
Net weight with standard equipment kg (lbs):	37 (81.57)
EMC directive:	not applicable
Low voltage directive:	not applicable
GS certificate:	no
Medical device directive:	not applicable
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
°B Connected monitoring software:	Option, with DCU
DCU:	Option
DCU Wlan:	not available

Display range °C (°F):	-50.0°C to +50.0°C (-58°F to 122°F)
Display indication step K:	0.1

Preset set point °C (°F):	5 (41)
Set point range °C (°F):	from 4 to 15 (from 39 to 59)
Set point adjustable step K:	0.1
Temperature distribution acc. to FDX 15-140 K:	4

Preset warm alarm °C (°F):	7 (45)
Preset cold alarm °C (°F):	3 (37)
Alarm range °C (°F):	-16 to +35 (3 to 95)
Alarm adjustable step K:	0.1
Min alarm difference to set point K:	2.0
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:	at 0°C ± 0,3°C (at 32°F ± 37.4°F)

Display sensor type:	NTC
Display sensor measuring accuracy:	at 0°C ± 0,3°C (at 32°F ± 37.4°F)
Display sensor reference body:	100ml DOW corning 200-5CST (silicon oil)

Safety thermostat at °C (°F) / type:	1,6 (34.9) / capillary tube
Safety thermostat measuring accuracy:	at 25°C ± 0,3°C (at 77°F ± 37.4°F)

Evaporator sensor type:	not available
Evaporator sensor measuring accuracy:	/

Ambient temp sensor as option, type:	not available
Ambient temp sensor measuring accuracy:	/

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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

Standard equipment inside:
1 wire shelf / 1 buttom 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:	No
Water cooling:	not available
External unit:	not available
Recorder as option, range / sensor type:	from -10 to +20°C (from 14 to 68°F) / PT1000
Recorder sensor measuring accuracy:	at +25°C ± 0,5°C (at 77°F ± 32.9°F)
Recorder sensor reference body:	100ml DOW corning 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 (at 77°F ± 32.4°F)
PT100 sensor reference body:	100ml DOW corning 200-5CST (silicon oil)
Packing standard / option:	cardboard / -

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