

BF261 Refr.

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:	200
Running current A:	1.0
Energy consumption Kwh/24h:	0.85 @50Hz / 0.86 @60Hz
Heat ejection Kcal/h:	27
Running time %:	28
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:	NLE9KTK
Cooling capacity W (ASHRAE):	131
Capillary tube, inner diam x length mm (inch):	0.83 x 2050 (0.033 x 80.71)
Refrigerant type:	R600a
Refrigerant quantity g (oz):	23 (0.811)
Door insulation mm (inch):	82 (3.23) with 4-layer organic glass insert, not heated
Cabinet insulation mm (inch):	60 to 65 (2.36 to 2.56)
K value W/m ² xK at 20°C (68°F):	
Hold over time h at °C (°F):	2.7 from +4 to +10°C (from 39 to 50°F), DIN58371 @20°C (68°F)
Net volume l (cu ft):	106 (3.743)
Gross volume l (cu ft):	121 (4.273)
Internal width mm (inch):	475 (18.70)
Internal depth mm (inch):	470 (18.50)
Internal height mm (inch):	630 (24.80)
External width mm (inch):	595 (23.43)
External depth mm (inch):	695 (27.36)
External height mm (inch) [with recorder]:	1650 (64.96) [1823 (71.77)]
Net weight with standard equipment kg (lbs):	118 (260.15)
EMC directive:	2014/30/EU
Low voltage directive:	2014/35/EU
GS certificate:	no
Medical device directive:	93/42/EEC, Class IIa
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 +4°C (39°F) @ +25°C (77°F) ambient temperature, unless otherwise stated
All appliances without load

BF261 Freez.

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:	10
Power W:	300
Running current A:	2.0
Energy consumption Kwh/24h:	1.35 @50Hz / 1.28 @60Hz
Heat ejection Kcal/h:	53
Running time %:	37
Noise level dB(A) (in 1m height +1m distance):	45 @50Hz / 47 @60Hz
Accu data / function time:	12V -2.3 AH / 48 hours
Defrosting technique:	manual
Compressor manufacturer:	Embraco
Compressor type:	FFU130UAX
Cooling capacity W (ASHRAE):	319
Capillary tube, inner diam x length mm (inch):	0.65 x 4000 (0.026 x 157.48)
Refrigerant type:	R290
Refrigerant quantity g (oz):	70 (2.469)
Door insulation mm (inch):	82 (3.23)
Cabinet insulation mm (inch):	60 to 65 (2.36 to 2.56)
K value W/m ² xK at 20°C (68°F):	
Hold over time h at °C (°F):	0.7 from -32 to -23°C (from -26 to -9°F), @25°C (77°F)
Net volume l (cu ft):	106 (3.743)
Gross volume l (cu ft):	121 (4.273)
Internal width mm (inch):	475 (18.70)
Internal depth mm (inch):	470 (18.50)
Internal height mm (inch):	630 (24.80)
External width mm (inch):	595 (23.43)
External depth mm (inch):	695 (27.36)
External height mm (inch) [with recorder]:	1650 (64.96) [1823 (71.77)]
Net weight with standard equipment kg (lbs):	118 (260.15)
EMC directive:	2014/30/EU
Low voltage directive:	2014/35/EU
GS certificate:	no
Medical device directive:	93/42/EEC, Class IIa
GMP-clean room classification:	class ISO6/EC GMP B
ATEX-categorie III, zone 2, interior:	no

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Revision: 07.02.2019

Measurement conditions:

Setpoint -32°C (-26°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:	200
Running current A:	1.0
Energy consumption Kwh/24h:	0.68
Heat ejection Kcal/h:	24
Running time %:	34
Noise level dB(A) (in 1m height +1m distance):	38
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 (inch):	0.83 x 2050 (0.033 x 80.71)
Refrigerant type:	R600a
Refrigerant quantity g (oz):	20 (0.706)
Door insulation mm (inch):	82 (3.23) with 4-layer organic glass insert, not heated
Cabinet insulation mm (inch):	60 to 65 (2.36 to 2.56)
K value W/m ² xK at 20°C (68°F):	
Hold over time h at °C (°F):	2.7 from +4 to +10°C (from 39 to 50°F), DIN58371 @20°C (68°F)
Net volume l (cu ft):	106 (3.743)
Gross volume l (cu ft):	121 (4.273)
Internal width mm (inch):	475 (18.70)
Internal depth mm (inch):	470 (18.50)
Internal height mm (inch):	630 (24.80)
External width mm (inch):	595 (23.43)
External depth mm (inch):	695 (27.36)
External height mm (inch) [with recorder]:	1650 (64.96) [1823 (71.77)]
Net weight with standard equipment kg (lbs):	117 (257.94)
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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Measurement conditions:

Setpoint +4°C (39°F) @ +25°C (77°F) ambient temperature, unless otherwise stated
All appliances without load

BF261 Freez.

Technical data sheet

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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:	10
Power W:	360
Running current A:	4.5
Energy consumption Kwh/24h:	1.98
Heat ejection Kcal/h:	65
Running time %:	36
Noise level dB(A) (in 1m height +1m distance):	47
Accu data / function time:	12V -2.3 AH / 48 hours
Defrosting technique:	manual
Compressor manufacturer:	Secop
Compressor type:	NLE8.0CN
Cooling capacity W (ASHRAE):	453
Capillary tube, inner diam x length mm (inch):	0.65 x 4000 (0.026 x 157.48)
Refrigerant type:	R290
Refrigerant quantity g (oz):	70 (2.469)
Door insulation mm (inch):	82 (3.23)
Cabinet insulation mm (inch):	60 to 65 (2.36 to 2.56)
K value W/m ² xK at 20°C (68°F):	
Hold over time h at °C (°F):	0.7 from -32 to -23°C (from -26 to -9°F), @25°C (77°F)
Net volume l (cu ft):	106 (3.743)
Gross volume l (cu ft):	121 (4.273)
Internal width mm (inch):	475 (18.70)
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External height mm (inch) [with recorder]:	1650 (64.96) [1823 (71.77)]
Net weight with standard equipment kg (lbs):	117 (257.94)
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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Revision: 07.02.2019

Measurement conditions:

**Setpoint -32°C (-26°F) @ +25°C (77°F) ambient temperature, unless otherwise stated
All appliances without load**

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):	4 (39)
Set point range °C (°F):	not available
Set point adjustable step K:	not available
Temperature distribution acc. to FDX 15-140 K:	4
Preset warm alarm °C (°F):	6 (43)
Preset cold alarm °C (°F):	2 (36)
Alarm range °C (°F):	2 to 6 (36 to 43)
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:	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:	/

BF261 Freez.

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):	-32 (-26)
Set point range °C (°F):	not available
Set point adjustable step K:	not available
Temperature distribution acc. to FDX 15-140 K:	10
Preset warm alarm °C (°F):	-27 (-17)
Preset cold alarm °C (°F):	-37 (-35)
Alarm range °C (°F):	-37 to -27 (-35 to -17)
Alarm adjustable step K:	0.1
Min alarm difference to set point K:	5.0
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:	not available
Safety thermostat measuring accuracy:	/
Evaporator sensor type:	not available
Evaporator sensor measuring accuracy:	/
Ambient temp sensor as option, type:	not available
Ambient temp sensor measuring accuracy:	/

BF261 Refr.

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:	no wire shelf
Drawer material:	Polycarbonate, transparent

Equipment

<i>Standard equipment inside:</i>	
1 drawer with front and divider / 1 bottom drawer	
Lots of wire shelves, recommend / maximum:	not available
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 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 (at 77°F ± 32.4°F)
PT100 sensor reference body:	100ml DOW coming 200-5CST (silicon oil)
Packing standard / option:	cardboard / -

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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:	no wire shelf
Drawer material:	Polycarbonate, transparent

Equipment

<i>Standard equipment inside:</i>	
2 drawers with front and divider / 1 bottom drawer	
Lots of wire shelves, recommend / maximum:	not available
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:	not available
Castors:	2 rollers
Water cooling:	not available
External unit:	not available
Recorder as option, range / sensor type:	from -50 to 0°C (from -58 to 32°F) / PT1000
Recorder sensor measuring accuracy:	at +25°C ± 0,5°C (at 77°F ± 32.9°F)
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 (at 77°F ± 32.4°F)
PT100 sensor reference body:	100ml DOW coming 200-5CST (silicon oil)
Packing standard / option:	cardboard / -

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