











Marine Product Catalogue









Our extensive product range at a glance!



CRUISE Marine Refrigerators

Classic					
	CRUISE 36 ► Page 16	CRUISE 42, 49 ► Page 17	CRUISE 65, 85, 90, 100 ► Page 18	CRUISE 130, 165 ► Page 20	CRUISE 195, 200, 219, 271 ► Page 22
INOX*					
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CRUISE Marine Freezers

Classic			
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INOX*			
	CRUISE 63 F ► Page 26	CRUISE 65 F ► Page 26	CRUISE 90 F ► Page 27

DRAWER Marine Refrigerators & Freezers

INOX*							
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GLASS							
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*INOX = stainless steel

Travel Boxes



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50
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Ice Makers



IceDrink Clear
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IceDrink White
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Built-In Boxes



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55
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75
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92
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Cooling Units

Compact



Air-cooled
► Page 54



Water-cooled SP
► Page 54



Water-cooled Magnum
► Page 54

ASU



Air-cooled
► Page 56



Water-cooled SP
► Page 56



Water-cooled Magnum
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Wine Cellars



Wine Cellar Divino 23
► Page 38



Wine Cellar Divino 35
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Water Heaters



Basic
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Slim
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Air Heat Exchangers



Air Heat Exchanger
► Page 62

On Board Safes



Safe 10
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Safe 30
► Page 61

Welcome to the Indel Webasto Marine Catalogue 2009 / 2010!

Indel Webasto Marine, based in St. Agata Feltria in Italy, is the successful Joint Venture between the leading automotive supplier Webasto, based in Germany, and the Italian refrigeration specialist Indel B. These two companies join forces to bring high quality galley equipment solutions for marine applications.

The wide product range consists of fridges and freezers, built-in and travel boxes, wine cellars, water boilers, safes as well as customized solutions for more comfort on board. Indel Webasto Marine refrigeration and freezer solutions are well acknowledged for their user-friendliness, their stylish design and their energy-saving engineering.

The brand names **Isotherm** and **Isotemp** are internationally known. These products have been accumulating a high reputation on the market for quality and design. Especially designed for marine use, they are individually tailored to suit the conditions on board. The devices require little space, offer a safety feature to prevent unwanted opening and consume little electricity.

This year, Indel Webasto Marine, perpetuates its long tradition for innovation and has even accelerated its pace of introducing new products and features: the frost-free technology, GLASS line doors, wine cellars and other exciting launches mark these days. Indel Webasto Marine is proud of the fact that its continuous efforts to bring you new products have been rewarded by the IBEX-Innovation Award in 2008.



Isotherm: A long tradition of innovative quality products

Indel Webasto Marine stands for high quality products in the marine industry. A long history of careful research and development builds the background for successful innovations. Many of these innovations became patents and are internationally protected. Our products are well-known for their outstanding design and functionality features and are exclusively produced using high quality components.



Strategic production components: the compressors



Welding of the condenser to the compressor



The production lines in St Agata, Italy

Indel Webasto Marine stands for:

- Quality components and products
- High performance
- Outstanding design
- Unique patents and technologies such as ASU and frost-free (more detailed information on page 48)
- Great usability
- Easy installation
- Huge product range and customization possibilities

What's new?

1) Frost-free drawer fridges and freezers:

The IBEX award winning frost-free concept prevents ice accumulation in the cabinet. As a result this great feature prevents increased energy consumption.

DRAWER 65 Fridge

Frost-free technology and stylish design



DRAWER 55 Freezer

Freezer solution with frost-free technology



2) Available during 2009*:

Divino Wine Cellars

Perfect temperature wine on board!



DRAWER 160 Fridge/Freezer/Ice Maker

All in one solution for great comfort!



IceDrink White

Coming soon!



*Please refer to our price list for availability

3) The Unique product configurator for our refrigeration lines:



Contact your Indel Webasto Marine representative to receive the Refrigurator Software CD!

Our Comfort Product Offer:



■ CRUISE Refrigerators	12
Reliable technology in long-experienced, practical marine design	



■ CRUISE Freezers	24
Perfect complement to the CRUISE refrigerators	



■ DRAWER Refrigerators and Freezers	28
Widest range of DRAWER fridges on the market	



■ IceDrink Ice Maker	36
High-performance quality ice makers	



■ Divino Wine Cellars	38
The pleasure to profit from a wine cellar on board	



■ Travel Boxes	40
Plug-and-play, movable boxes designed for marine conditions	



■ Built-In Boxes	44
Top-loading fridges to cope with special installation constraints	



■ Isotherm exclusive cooling Technology	48
Insight in exclusive Isotherm patented technologies	



■ Cooling Units	50
Efficient solutions for your custom-built boxes	



■ Special Design Refrigerators and Freezers	60
Design of specifically tailored cooling solutions	



■ On Board Safes	61
Provide more security on board	



■ Air Heat Exchangers	62
Defrost power with radial fans and three power steps	



■ Water Heaters	64
High quality stainless steel water boilers	



Isotherm Customizable Refrigerators – Create your own refrigerator in 6 steps!



1

Select the product range

- CRUISE Refrigerator
- DRAWER Refrigerator



CRUISE



DRAWER

2

Select the desired function(s)

- Fridge
- Fridge/Freezer
- Freezer
- Combo (Fridge/Freezer/Ice Maker)

3

Volume

- Small (< 50 liters)



- Medium (< 89 liters)



- Large (< 135 liters)



- Xlarge (> 135 liters)



4a

Choose the design line

- CLASSIC Line



- INOX Line (stainless steel)



- GLASS Line



4b

Customize your door design

- Colour of panel
- Locking system
- Colour of door frames and handles
- Door opening

4_C

Outer frame design

- Frame type
- Frame colour
- Flush integration / no flush integration

Contact your IWM representative to receive the refrigerator software CD. It guides you through all configuration steps for your customized refrigerator.

5

Power source / Voltage

- DC 12/24 V
- AC/DC 115/220V 12/24V
- AC 115V
- AC 220V

All options are possible together with the selection of plug type.

6

Refrigeration technology

- Cooling System (See page 52)
 - Air ventilated
 - Water-cooled - pump (MAGNUM)
 - Water-cooled - SP system (self pumping)
- Special Isotherm technology (See page 48)
 - ASU*
 - Frost-free
 - Eutectic plate option**

Choose the right cooling technology.

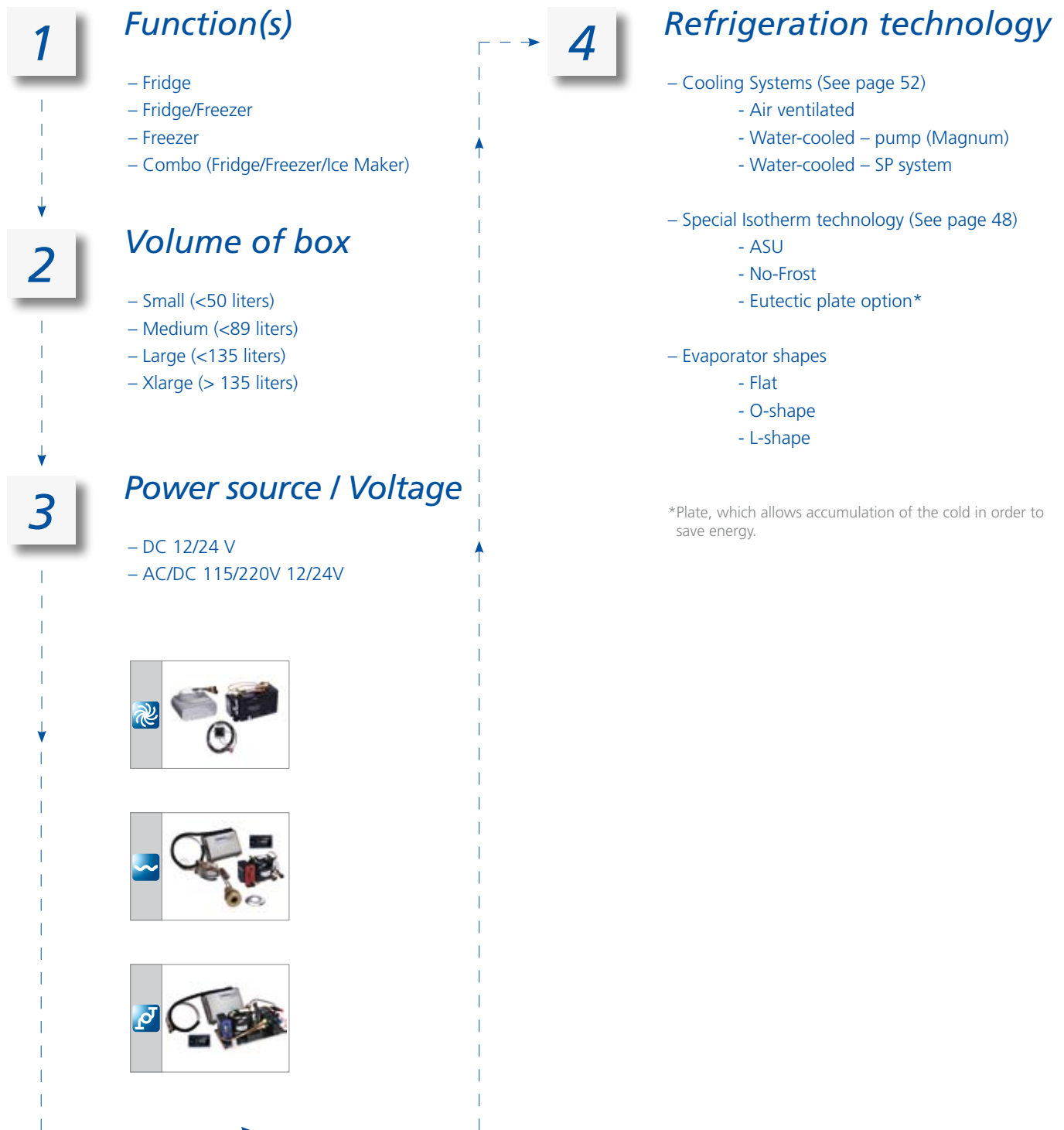
If you have a motor boat, equipped with a well-maintained electrical system and you like to go for longer cruises, choose an Isotherm CRUISE refrigerator or a refrigeration system that has a cold-radiating evaporator and traditional thermostat control.

If your boat is a sailing yacht and the engine is used for short periods only, we recommend the installation of a fridge or refrigeration system equipped with Isotherm ASU control and a cold-holding plate.

*ASU option is available on a big part of our models.
Please refer to page 48 for more information.

**Plate, which allows accumulation of the cold in order to save energy.

Configurator for Cooling Units – Choose your cooling unit in 4 steps for best customization!



What you can expect from a cooperation with Indel Webasto Marine:



Trust our innovative tradition: once again, this year Indel Webasto Marine introduces leading technology with the first frost-free fridges.



Profit from well-known, unique patents for energy saving on board: ASU, SP. Isotherm has always been a market reference on this matter.



With the purchase of an Indel Webasto Marine product you benefit from decades of marine field experience as well as worldwide service assistance.



Choose from unrivalled customization solutions to match all space restrictions or design tastes: from semi-standard to fully tailor-made products.



Rely on high quality products built exclusively with silent, reliable Danfoss compressors.



Benefit from products manufactured in ISO TS 16949 plants, ensuring the highest quality standards from the automotive industry for the marine industry.



Enjoy the high thermal performance of our well-insulated water boilers.

CRUISE

Marine Refrigerators

isotherm



- 1 Freezer compartment
- 2 Equipped with interior light and installation frame
- 3 Very low power consumption
- 4 12/24 V Danfoss compressor
- 5 Door with a safety lock and magnetic rubber seal
- 6 Compressor unit can be easily removed and mounted in any vertical position up to 1.5 m away from the refrigerator (valid for CR42 only)
- 7 High customization possible for door and frame design

Isotherm CRUISE Refrigerators are the outcome of careful research that combines **technological innovation** with sophisticated, yet **practical design**.

Marine refrigerators operate under tough conditions: they must withstand violent movements, operate noiselessly, be thoroughly reliable and perhaps, most important of all, consume an absolute **minimum of battery power**.

It is our mission to design and build **high-quality** and **energy-efficient** marine refrigeration systems exclusively for sailing yachts and motor cruisers.

Some configuration options:

- Custom door panel: door panel can be selected according to the customer needs
- Different side frames: 2 up to 3 side frames for an easy installation and 3 up to 4 side frames for a complete flush integration
- Complete stainless steel design (doors and handles)
- Different cooling systems: ventilated as standard, water-cooled with a self pumping kit (patented) and water-cooled through a sea water pump for tropical conditions
- Universal AC/DC kit optional: allows sufficient power supply all over the world
- ASU system (patented): option for reduced power consumption

■ CRUISE 36 to CRUISE 49	see page 16-17
■ CRUISE 65 to CRUISE 100	see page 18-19
■ CRUISE 130 to CRUISE 187	see page 20-21
■ CRUISE 190 to CRUISE 271	see page 22-23

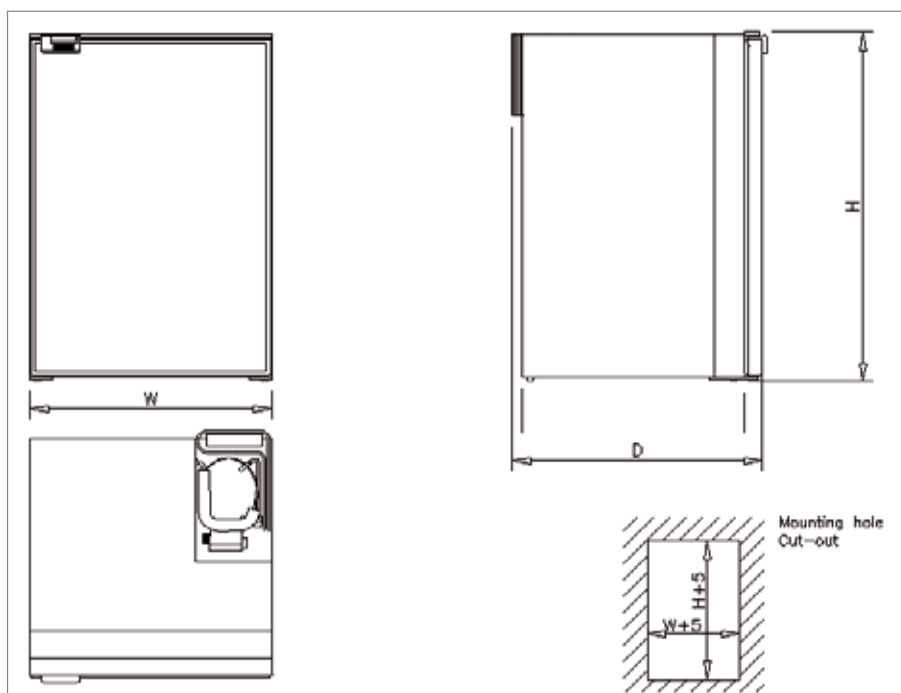


CRUISE

Marine Refrigerators

Some standard features of the CRUISE line include:

- Fan-cooled 12/24V Danfoss compressor
- Custom door panels to complement any interior (grey door as standard)
- Freezer compartment (except Drink versions)
- One piece inner lining of food-quality, high density plastic with rounded corners for easy cleaning
- Constructed of corrosion resistant materials
- Interior light (not on CR 36, CR 42, CR 100)
- Innovative Isotherm door handle prevents door from being accidentally opened
- Magnetic rubber seals keep moisture out and door firmly closed
- Right hand or left hand side opening possible*



* Due to the door latch position on some CRUISE Stainless Steel INOX line models (CR90 Freezer, CR130 Drink, CR130 and CR195), right or left swing must be stated when ordering.



Product Overview: Isotherm CRUISE Marine Refrigerators

Type	Volume liters	Dimensions HxWxD mm ¹	Available with ASU	Weight Kg	Power consumption* W/24 hours	Danfoss Compressor Type	Freezer -6°C/21°F volume in l
CR 36	36	250 x 440 x 675** ¹		16	300	BD35F	–
CR 36 INOX	36	250 x 455 x 715		18	300	BD35F	–
CR 42	42	525 x 380 x 475** ¹		16	340	BD35F	–
CR 42 INOX	42	530 x 400 x 515		20	340	BD35F	–
CR 49	49	525 x 380 x 470**	X	16	340	BD35F	4 (-6°C)
CR 49 INOX	49	530 x 400 x 510	X	20	340	BD35F	4 (-6°C)
CR 65	65	530 x 450 x 500**	X	18	360	BD35F	4 (-6°C)
CR 65 INOX	65	530 x 470 x 540	X	22	360	BD35F	4 (-6°C)
CR 85	85	625 x 475 x 515**	X	20	380	BD35F	8 (-6°C)
CR 85 INOX	85	625 x 495 x 555	X	24	380	BD35F	8 (-6°C)
CR 90	70/20	850 x 475 x 425***		29	520	BD35F	20 (-18°)
CR 100	100	745 x 485 x 455**	X	21	400	BD35F	5 (-6°C)
CR 130	130	745 x 525 x 505**	X	23	400	BD35F	8 (-6°C)
CR 130 DRINK	130	745 x 525 x 505**		23	400	BD35F	–
CR 130 INOX	130	755 x 545 x 545	X	27	400	BD35F	8 (-6°C)
CR 130 D INOX	130	755 x 545 x 545		27	400	BD35F	–
CR 165	125/40	1220 x 500 x 515****		39	600	BD50F	40 (-18°C)
CR 187 INOX	142/45	1340 x 568 x 577		42	660	BD50F	45 (-18°C)
CR 190 INOX	142/45	1245 x 568 x 577		40	660	BD50F	45 (-18°C)
CR 195	130/65	1345 x 545 x 560		42	830	2 x BD35F	65 (-18°C)
CR 195 INOX	130/65	1345 x 545 x 560		42	830	2 x BD35F	65 (-18°C)
CR 200 INOX	150/50	880 x 735 x 620		36	800	BD50F	50 (-18°C)
CR 219	178/41	1430 x 550 x 515****		32	600	BD50F	50 (-18°C)
CR 271	218/53	1660 x 550 x 515****		51	800	BD50F	46 (-18°C)

* Power consumption W/24 hours in operation on 12 volt with +6°C in the refrigeration space, ambient temperature +22° C.

Power consumption will be reduced by approx. 30% for ASU models when operating one hour a day.

** Door and door seal not included (= 40 mm).

*** Door, door seal and off-shore lock not included (= 55mm).

**** Cut out dimension: H+20 mm; W+20 mm; D+10 mm (for CR 165, CR 219, CR 271); Door not included (thickness door 70 mm)

¹ Depth can be reduced by 160 mm with removed compressor.

² With the option of universal AC/DC the depth increases by 20 mm.

Cut out dimensions: H+10 mm; W+5mm; D+5 mm

Specification changes may be made without prior notice.



CRUISE Marine Refrigerators

36, 42, 49



CRUISE 36

The CR 36 is a built-in DRAWER fridge in unique design. Due to its compact dimensions, the CR 36 can be installed where no other fridge might fit. The compressor can be removed up to 1 meter away. It comes with a white door and mounting frame as standard.

	Isotherm CRUISE 36	
	Type	CR 36
	Volume	36 Liters



CRUISE 36 INOX

The CR 36 INOX is the stainless steel design version of the CR 36. It offers convincing compact dimensions as well as stylish INOX design. The compressor can be removed up to 1 meter away.

	Isotherm CRUISE 36 INOX	
	Type	CR 36 INOX
	Volume	36 Liters



CRUISE 42

The CR 42 is a normal-size refrigerator, installed in thousands of boats. The compressor unit on the back can easily be removed and mounted in any vertical position up to 1.5 meter away¹. A mounting frame is available as an option.

¹ depth reduced by 160 mm

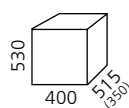
	Isotherm CRUISE 42	
	Type	CR 42
	Volume	42 Liters



CRUISE 42 INOX

The CR 42 INOX is the stainless steel design version of the CR 42. The INOX version also provides the possibility to remove the compressor unit at the back and mount it in any vertical position up to 1.5 meter away.

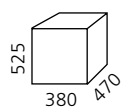
Isotherm CRUISE 42 INOX	
Type	CR 42 INOX
Volume	42 Liters



CRUISE 49

The CR 49 provides the same standard as the CR 42 but is equipped with a built-in compressor giving better inside dimensions for standing and laying PET bottles. As standard, the CR 49 is equipped with installation frame and interior light. Available with ASU.

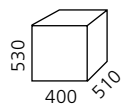
Isotherm CRUISE 49	
Type	CR 49
Volume	49 Liters



CRUISE 49 INOX

The CR 49 INOX is the stainless steel design version of the CR 49. The INOX version also provides the built-in compressor giving better inside dimensions for standing and laying PET bottles. As standard, it is equipped with installation frame and interior light.

Isotherm CRUISE 49 INOX	
Type	CR 49 INOX
Volume	49 Liters



CRUISE Marine Refrigerators

65, 85, 90, 100



CRUISE 65

The CR 65 features a separated freezer compartment and a built-in compressor unit. It is equipped with installation frame and interior light as standard. Available with ASU.

	Isotherm CRUISE 65	
	Type	CR 65
	Volume	65 Liters



CRUISE 65 INOX

The CR 65 INOX is the stainless steel design version of the CR 65. It features a separated freezer compartment and a built-in compressor unit. It is equipped with installation frame and interior light as standard. Available with ASU.

	Isotherm CRUISE 65 INOX	
	Type	CR 65 INOX
	Volume	65 Liters



CRUISE 85

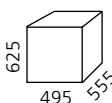
The spacious CR 85 provides the customer with a freezer compartment, two adjustable shelves and a corner mounted compressor. The CR 85 is equipped with interior light as standard. Installation frames are available as an option. Available with ASU.

	Isotherm CRUISE 85	
	Type	CR 85
	Volume	85 Liters



CRUISE 85 INOX

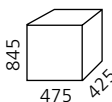
The CR 85 INOX is the stainless steel design version of the CR 85. It provides a freezer compartment, two adjustable shelves and a corner-mounted compressor. Interior light as standard. Installation frames optional. Available with ASU.

	Isotherm CRUISE 85 INOX	
	Type	CR 85 INOX
	Volume	85 Liters



CRUISE 90

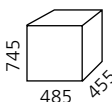
The CRUISE 90 is a two door fridge-freezer solution. The refrigerator provides a volume of 70 liters and the freezer a volume of 20 liters. The refrigerator is equipped with inner light.

	Isotherm CRUISE 90	
	Type	CR 90
	Volume	90 Liters



CRUISE 100

The CR 100 differentiates itself with air ducts and fan ventilated compressor which permit circulation even in tight installations. Additional mounting frames are available as an option. Available with ASU.

	Isotherm CRUISE 100	
	Type	CR 100
	Volume	100 Liters

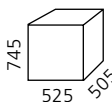


CRUISE Marine Refrigerators 130, 165, 187



CRUISE 130

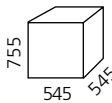
The CR 130 is a traditional fridge providing a freezer compartment, three shelves, a vegetable bin and a door divided into three sections. It is equipped with inner light and a fan-cooled compressor as standard. Available with ASU.

	Isotherm CRUISE 130	
	Type	CR 130
	Volume	130 Liters



CRUISE 130 INOX

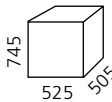
The CR 130 INOX is the stainless steel design version of the CR 130 providing a freezer compartment, three shelves, a vegetable bin and a door divided into three sections. It is equipped with inner light and a fan-cooled compressor as standard. Available with ASU.

	Isotherm CRUISE 130 INOX	
	Type	CR 130 INOX
	Volume	130 Liters



CRUISE 130 DRINK

The CR 130 D is a special version of the CR 130 providing the customer with an extra space for drinks instead of the freezer compartment. It is equipped with inner light and a fan-cooled compressor as standard. Bottle racks (as shown on the picture), are available as option.

	Isotherm CRUISE 130 DRINK	
	Type	CR 130 D
	Volume	130 Liters



CRUISE 130 DRINK INOX

The CR 130 D INOX is the stainless steel design version of the CR 130 D providing the customer with an extra space for drinks instead of the freezer compartment. It is equipped with inner light and a fan-cooled compressor as standard.

	Isotherm CRUISE 130 DRINK INOX	
	Type	CR 130 INOX
	Volume	130 Liters



CRUISE 165

The CR 165 is another two door fridge-freezer solution. The refrigerator provides a volume of 125 liters and the freezer a volume of 40 liters. The refrigerator is equipped with inner light, three shelves and a vegetable bin at the bottom.

	Isotherm CRUISE 165	
	Type	CR 165
	Volume	125 + 40 Liters



CRUISE 187 INOX

The CR 187 INOX is a two door fridge-freezer solution. The integrated ventilation system secures good ventilation even in tight installations. The interior is equipped with white vegetable bins and stainless steel shelf trims. It operates fully automatic in 12/24-115/230V.

	Isotherm CRUISE 187 INOX	
	Type	CR 187 INOX
	Volume	142 + 45 Liters



CRUISE Marine Refrigerators

190, 195, 200, 219, 271



CRUISE 190 INOX

The CR 190 INOX is a two door fridge-freezer solution. The interior is equipped with white vegetable bins and stainless steel shelves. It operates fully automatic in 12/24-115/230V.

	Isotherm CRUISE 190 INOX	
	Type	CR 190 INOX
	Volume	142 + 45 Liters



CRUISE 195

The CR 195 is a two door fridge-freezer solution. It consists of a CR 130 refrigerator built on top of a 65 liters freezer. It is equipped with two fan-cooled compressors, separate thermostats for the fridge and freezer sections, a flush mounting frame, inner light and a vegetable bin.

	Isotherm CRUISE 195	
	Type	CR 195
	Volume	130 + 65 Liters



CRUISE 195 INOX

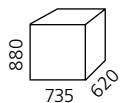
The CR 195 INOX is a two door fridge-freezer solution combining a CR 130 refrigerator and a 65 liters freezer. The refrigerator comes with inner light and a vegetable bin. CR195 INOX is equipped with two fan-cooled compressors, separate thermostats for the fridge and freezer sections and is delivered with a flush mounting frame.

	Isotherm CRUISE 195 INOX	
	Type	CR 195 INOX
	Volume	130 + 65 Liters



CRUISE 200 INOX

The CR 200 INOX is a stylish new fridge-freezer in stainless steel design that has been developed to offer spacious on board storage for fresh and frozen consumables. It is designed for easy installation under the work-surface. The CR 200 INOX is divided into a 150 liters volume fridge section and a 50 liters volume freezer section.

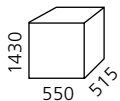
	Isotherm CRUISE 200 INOX*	
	Type	CR 200 INOX
	Volume	150 + 50 Liters

*available with classic doors on demand



CRUISE 219

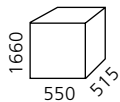
The CR 219 is a two door fridge-freezer solution. The refrigerator provides a volume of 178 liters and the freezer a volume of 41 liters. The refrigerator is equipped with inner light, five shelves and a vegetable bin at the bottom.

	Isotherm CRUISE 219	
	Type	CR 219
	Volume	178 + 41 Liters



CRUISE 271

The CR 271 is a two door fridge-freezer solution. The refrigerator provides a volume of 218 liters and the freezer a volume of 53 liters. The refrigerator is equipped with inner light, five shelves and a vegetable bin at the bottom.

	Isotherm CRUISE 271	
	Type	CR 271
	Volume	218 + 53 Liters



CRUISE Marine Freezers

isotherm



- 1 Extra thick insulation
- 2 12/24 V Danfoss compressor
- 3 Door with safety lock and magnetic rubber seal

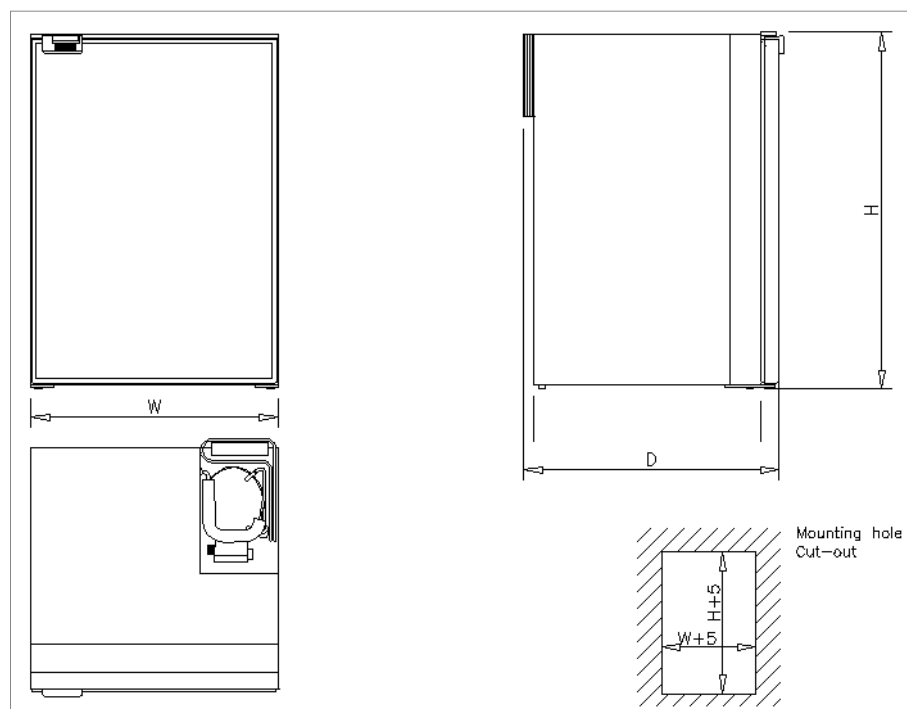
Product Overview: Isotherm CRUISE Marine Freezers

Type	Volume liters	Dimensions HxWxD mm	Weight Kgs	Power consumption* W/24 hours	Danfoss compressor type	Freezer compartment specifics
CR 63 F	63	625 x 475 x 151 *	20	440	BD35F	63 (-18°C)
CR 63 F INOX	63	625 x 495 x 555	24	440	BD35F	63 (-18°C)
CR 65 F	65	620 x 525 x 505*	20	440	BD35F	65 (-18°C)
CR 65 F INOX	65	620 x 545 x 545	24	440	BD35F	63 (-18°C)
CR 90 F	90	745 x 525 x 505*	25	550	BD35F	90 (-18°C)
CR 90 F INOX	90	755 x 545 x 545	29	550	BD35F	90 (-18°C)

Power consumption W/24h in operation in 12 volt with +6°C in the refrigeration space, ambient temperature +22°C.

Cut out dimensions: H+10 mm; W+5mm; D+5 mm

* Door not included (=40mm)



- Extra thick insulation, for excellent cooling performance and low power consumption
- 12/24 V Danfoss compressor (AC/DC power kit optional)
- Door with safety lock and magnetic rubber seal
- Excellent solution for a side by side fridge-freezer application

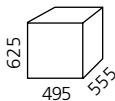
CRUISE Marine Freezers

63, 65, 90



CRUISE 63 Freezer INOX

The CR 63 F INOX freezer has the same outside dimensions as CR 85 INOX fridge. Therefore these units can be perfectly mounted side by side. CR 63 F INOX is equipped with two shelves and a bin at the bottom. It has a corner-mounted compressor and the evaporator piping is integrated in the walls.

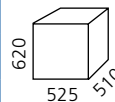
	Isotherm CRUISE 63 Freezer INOX*	
	Type	CR 63 F INOX
	Volume	63 Liters

*available with classic doors on demand



CRUISE 65 Freezer

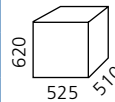
The CR 65 Freezer is a 65 liters volume freezer with extra thick insulation. It is equipped with one shelf and a plastic basket at the bottom. The CR 65 F is delivered with a fan-cooled compressor.

	Isotherm CRUISE 65 Freezer	
	Type	CR 65 F
	Volume	65 Liters



CRUISE 65 Freezer INOX

The CR 65 Freezer INOX is a 65 liters volume freezer with extra thick insulation. It is equipped with one shelf and a plastic basket at the bottom. The CR 65 F is delivered with a fan-cooled compressor.

	Isotherm CRUISE 65 Freezer INOX	
	Type	CR 65 F INOX
	Volume	65 Liters



CRUISE 90 Freezer

The CR 90 F freezer has the same outside dimensions as CR 130 fridge. Therefore these units can be perfectly mounted side by side. The CR 90 F is equipped with three shelves and four separate lids. It is delivered with a fan-cooled compressor.

	Isotherm CRUISE 90 Freezer	
	Type	CR 90 F
	Volume	90 Liters



CRUISE 90 Freezer INOX

The CR 90 F INOX freezer in stainless steel design has the same outside dimensions as the CR 130 fridge. Therefore these units can be perfectly mounted side by side. The CR 90 F INOX is equipped with three shelves and four separate lids. It is delivered with a fan-cooled compressor.

	Isotherm CRUISE 90 Freezer INOX	
	Type	CR 90 F INOX
	Volume	90 Liters



DRAWER

Marine Refrigerators & Freezers

isotherm



Available on many models

- 1 High-tech design
- 2 Easy access, comfortable to use
- 3 Freezer compartment
- 4 Blue LED interior light
- 5 Robust DRAWER mechanism
- 6 Off Shore Lock, for perfect closure at any time
- 7 World Première: first frost-free feature for the DR 55 and DR 65

Special features of the DRAWER line include:

- Different side frames: 3 to 4 side frames available, in order to obtain flush mounted installation
- Different cooling systems: ventilated as standard, water-cooled with a self pumping kit (patented) and water-cooled through a sea water pump for tropical conditions
- Universal kit AC/DC optional: allows sufficient power supply all over the world
- Customized frames for side by side applications
- The innovative Isotherm off shore lock prevents the door from being opened accidentally.
- Available with the award winning frost-free concept, being extremely economical with electrical energy and providing structural features which prevent ice accumulation and therefore protect against increased energy consumption.
- Outstanding design possibilities are given due to the new option of glass doors. GLASS line colours include navy blue, grey, white and black. Customized colours are also available on request.



The DRAWER 160 Combo offers an all in one solution, providing a fridge, a freezer and an ice maker in one system. (P. 34)



DRAWER Marine Refrigerators & Freezers 49, 55

Product Overview: Isotherm DRAWER Marine Refrigerators and Freezers

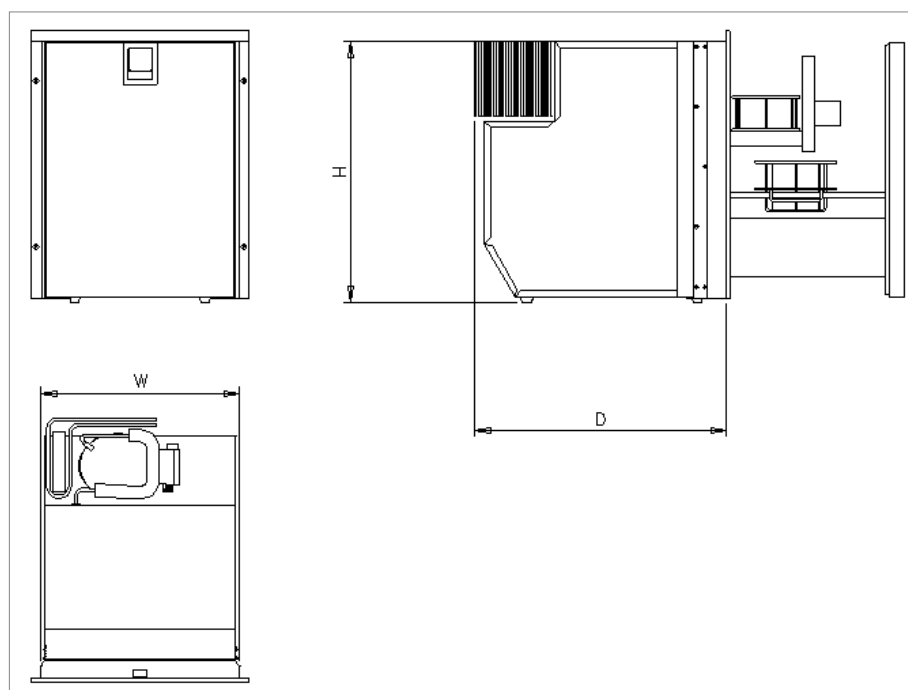
Type	Volume liters	Dimensions H x W x D mm ¹	Available with ASU	Weight Kgs	Power consumption* W/24 hours	Danfoss compressor type
DR 49 INOX	49	510 x 405 x 520	No	21	340	BD35F
DR 49 GLASS	49	510 x 405 x 520	No	21	340	BD35F
DR 55 frost-free FREEZER INOX	55	540 x 470 x 520	No	31	600	BD35F
DR 55 frost-free FREEZER GLASS	55	540 x 470 x 520	No	31	600	BD35F
DR 65 INOX	65	540 x 470 x 520	No	24	360	BD35F
DR 65 GLASS	65	540 x 470 x 520	No	31	360	BD35F
DR 65 frost-free INOX	65	540 x 470 x 520	No	31	340	BD35F
DR 65 frost-free GLASS	65	540 x 470 x 520	No	31	340	BD35F
DR 105 INOX	105	520 x 520 x 590	No	21	400	BD35F
DR 160 INOX COMBO**	155	860 x 615 x 545	No	–	1100	–
DR 190 INOX	190	795 x 900 x 560	No	31	700	BD50F

All DRAWER fridges (except the DR 160) are 12/24 DC with the option of the universal AC/DC kit. The DR 160 is either 220 V AC 50 Hz or 115 V AC 60 Hz.

¹ With the option of universal AC/DC the depth increases by 20 mm.

* Power consumption in operation in 12 volt with +6°C in the refrigeration space, ambient temperature +22°C.

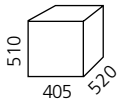
** Power supply 220 V AC or 110 V AC; 50-60 Hz





DRAWER 49 INOX

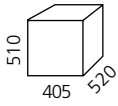
The DR 49 INOX is a new, space-saving, DRAWER unit with stainless steel front door. The interior is designed to suit international cans and food packs with two robust DRAWERS, integrated adjustable bars, freezer compartment and internal blue LED light.

	Isotherm DRAWER 49 INOX	
	Type	DR 49 INOX
	Volume	49 Liters



DRAWER 49 GLASS

The DR 49 Glass is a space-saving and front opened DRAWER of 49 liters volume. Its looks are characterized by an elegant and modern glass covered door front, available in 4 colours (grey, blue, black or white), a freezer compartment and the sequence of 5 LED lights for blue internal light.

	Isotherm DRAWER 49 GLASS	
	Type	DR 49 GLASS
	Volume	49 Liters

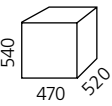


DRAWER Marine Refrigerators & Freezers 55, 65



DRAWER 55 frost-free Freezer INOX

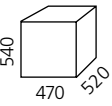
The DR 55 freezer is a 55 liters capacity stainless steel front opened DRAWER freezer. This model combines innovative stainless steel design with the most modern technology such as automatic defrost which allows to have home comfort, on board. The DR 55 F is equipped with an internal fan for temperature constant control and a sequence of 5 LED lights for blue internal light.

	Isotherm DRAWER 55 frost-free Freezer	
	Type	DR 55 F INOX
	Volume	55 Liters



DRAWER 55 frost-free Freezer Glass

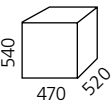
The DR 55 freezer is a 55 liters capacity DRAWER freezer. The DR 55 F is equipped with an internal fan for temperature constant control and a sequence of 5 LED lights for blue internal light. Its looks are characterized by an elegant and modern glass covered door front, available in 4 colours (grey, blue, black or white).

	Isotherm DRAWER 55 frost-free Freezer Glass	
	Type	DR 55 F INOX
	Volume	55 Liters



DRAWER 65 INOX

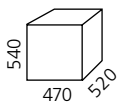
The DR 65 INOX is a space-saving, front-opened DRAWER. Its new design is based on the standard 65 liters refrigerator though with a pull-out DRAWER featuring an innovative interior concept with bins and bottle racks. A sequence of 5 LED lights provides blue internal light.

	Isotherm DRAWER 65 INOX	
	Type	DR 65 INOX
	Volume	65 Liters



DRAWER 65 GLASS

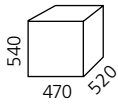
The DR 65 Glass is a front opened DRAWER refrigerator with a volume of 65 liters. Equipped with two robust drawers, it offers the possibility for perfect organisation and optimized use of internal space. A sequence of 5 LED lights provides blue internal light. Its look is characterized by an elegant and modern glass covered door front, available in 4 colours (grey, blue, black or white).

	Isotherm DRAWER 65 GLASS	
	Type	DR 65 GLASS
	Volume	65 Liters



DRAWER 65 frost-free INOX

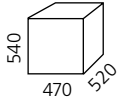
The DR 65 INOX is a space-saving, front-opened DRAWER, providing a volume of 65 liters with bins and bottle racks. It combines the most modern technology with automatic defrost allowing home comfort, onboard. For constant temperature control, an internal fan is mounted. A sequence of 5 LED lights provides blue internal light. Ideal for a side by side installation with the DR 55 Freezer.

	Isotherm DRAWER 65 frost-free INOX	
	Type	DR 65 frost-free INOX
	Volume	65 Liters



DRAWER 65 frost-free GLASS

The DR 65 Glass is a front opened DRAWER refrigerator with a volume of 65 liters. Equipped with two robust DRAWERS, it offers the possibility for perfect organisation and optimized use of internal space. A sequence of 5 LED lights provides blue internal light. Its look is characterized by an elegant and modern glass covered door front, available in 4 colours (grey, blue, black or white).

	Isotherm DRAWER 65 frost-free GLASS	
	Type	DR 65 frost-free GLASS
	Volume	65 Liters



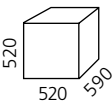
DRAWER Marine Refrigerators & Freezers

105, 160, 190



DRAWER 105 INOX

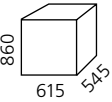
The DR 105 INOX DRAWER fridge gives opportunities for installations where a normal refrigerator would not fit. It can be installed as the main galley fridge, as a cockpit bar or even on the fly-bridge. The front panel is available in stainless steel or as a raw DRAWER front, providing the possibility of mounting individual wooden front panels to fit the boat's interior.

	Isotherm DRAWER 105 INOX	
	Type	DR 105 INOX
	Volume	105 Liters



DRAWER 160 INOX COMBO

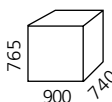
The DRAWER 160 is a double-DRAWER set up, which offers both a fridge and a freezer solution and additionally the great comfort of an ice maker. The upper DRAWER of the new model 160 consists of the refrigeration compartment with a 90 liters volume while the lower one combines a 65 liters freezer and the ice maker with a 6 liters case for ice. The total internal volume sums up to 155 liters while the outer dimensions remain very compact. The DRAWER 160 can be supplied either with 230 V, 50 Hz or with 115 V, 60 Hz. It is equipped with the frost-free concept, being extremely economical with electrical energy and providing structural features which prevent ice accumulation and therefore protect against increased energy consumption. For an easy control of the temperature, a digital control panel is positioned inside the upper DRAWER. The combination is equipped with blue internal LED light.

	Isotherm DRAWER 160 INOX frost-free COMBO	
	Type	DR 160
	Volume	160 Liters



DRAWER 190 INOX

The DR 190 INOX is a DRAWER refrigerator in stainless steel design with two separate DRAWERS providing practical adjustable interior equipment. It is equipped with a fan-cooled compressor mounted on the rear side and delivered with a three side mounting frame for flush mounting.

	Isotherm DRAWER 190 INOX	
Type	DR 190 INOX	
Volume	190 Liters	



ICEDRINK Ice Makers

isotherm



For the supply of fresh water, a 15 liter water tank operating with a 230 V or 115 V water pump can be ordered as an accessory.

IceDrink Clear

IceDrink White



Serving drinks on board is great. But being able to serve them with ice cubes is even better. Indel Webasto Marine provides boat owners now with the perfect solutions to produce fresh ice on board. But that is not enough. By offering two different models with two different technologies, customers can choose between clear ice and white ice.



Convincing facts for the Isotherm IceDrink Clear:

- Complete stainless steel design
- Production capacity of 18 kg per day
- Spray technology for clear ice
- Available both in 115 or 230 V and 50 or 60 Hz
- Extra water tank for ice cubes made of clean water (optional)
- Ventilation option
- Three flange options for critical space installations



Convincing facts for the Isotherm IceDrink White:

- Available in stainless steel or with white door
- Production capacity of 8 kg per day
- Reliable white ice technology
- Numerous customization possibilities for different installations just like with the CRUISE fridges and freezers
- No need for external ventilation
- Freezer compartment to maintain the ice cubes frozen
- Extra water tank for ice cubes made of clean water (as option)

Product Overview: Isotherm IceDrink Ice Makers

Type	Volume (l)	Dimensions (HxWxD mm)	Weight (kg)	Power consumption Average/max	Compressor Type
IceDrink Clear	4	582 x 353 x 405	28	1.4 A 230 V / 2.8 A 115 V	230 V or 115 V AC
IceDrink White	12	635 x 355 x 395*	30	1.3 A 230 V / 2.5 A 115 V	230 V or 115 V AC

* Door not included (440 mm with door)

DIVINO Wine Cellars



- 1 Sturdy, metal casing
- 2 Robust handle
- 3 Big storage room for 23 or 35 bottles
- 4 Optional installation of an additional external door lock

Indel Webasto Marine offers its customers the great opportunity to have a wine cellar on board. This high class equipment enables boat owners to serve great wine or champagne at the perfect temperature.

Both 23 and 35 bottles wine cellars can be built into the dressers or columns of modular furniture with no alteration of furniture design. For a perfect integration, the profile of the door is totally lined up with the doors of the furniture.

Both models feature double door locking systems to prevent unwanted door opening in rough sea conditions and special racks designed for storing champagne bottles.

Product Overview: DIVINO Wine Cellars

	Divino WC 23	Divino WC 35
Capacity	23 (27 max.)* bottles	35 (45 max.)* bottles
Internal shelves	3 wooden	5 wooden
Size in mm (H x W x D)	462 x 588 x 538 (+24.5 mm door thickness)	715 x 588 x 544 (+24.5 mm door thickness)
Weight	30.5 kg + 5 kg packing	32.5 kg + 5.5 kg Packing
Power installed	120 watt	120 watt
Cooling system	Compressor CFC - free	Compressor CFC - free
Electronic Thermostat	1	1
Temperature	mono	mono
Internal light	yes	yes

* 27 or 45 bottles if all the wooden shelves are removed from the wine cellar.

The luxury to serve wine or champagne at the right temperature:

- Built-in wine cellars for 23 or 35 bottles
- No aeration grills needed
- Profile of the door totally lined up with the doors of the furniture
- Interior light



TRAVEL BOXES



- 1 Very light and compact design for outdoor conditions
- 2 Big capacities to store food and drinks (26-50 liters)
- 3 Big units equipped with handles for an easy transport
- 4 12/24 V Danfoss compressor

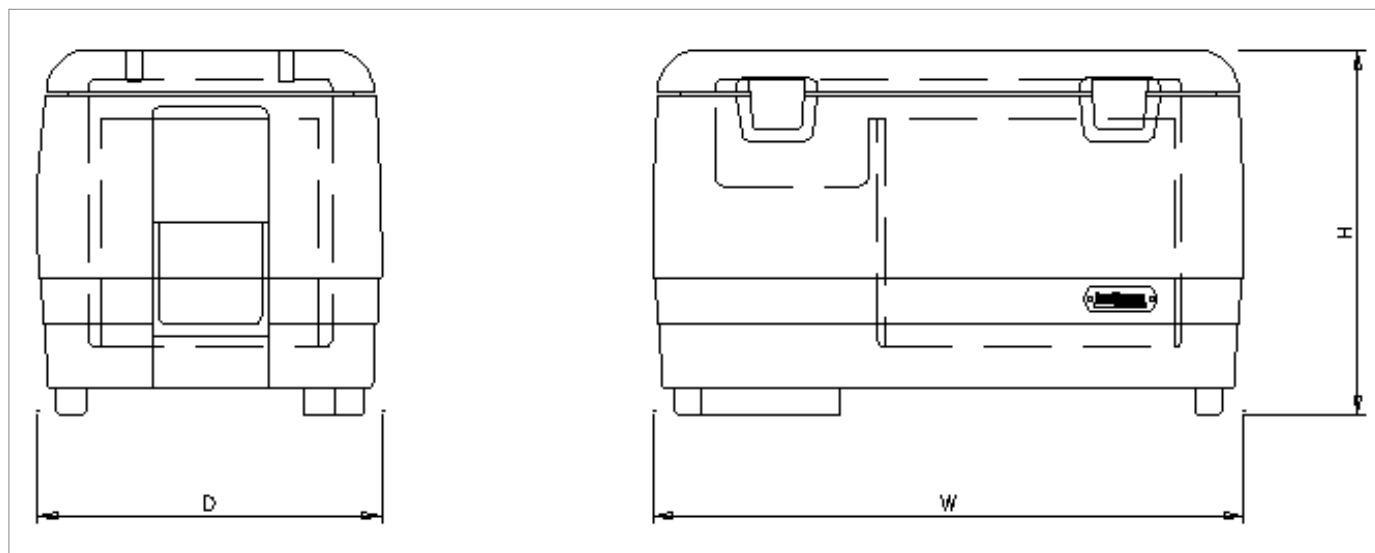
Product Overview: Travel Boxes

Type	Volume (l)	Dimensions (HxWxD mm)	Weight (kg)	Power consumption* W/24 hours	Danfoss compressor type	Freezer compartment specifics
TB 26 DC	26	385 x 350 x 580	14	250	BD35F	–
TB 32 AC / DC	32	390 x 355 x 595	18	250	BD35F	–
TB 42 DC	42	440 x 415 x 615 (710)	21	300	BD35F	–
TB 42 AC / DC	42	440 x 415 x 615 (710)	21	300	BD35F	42 (-18°C)
TB 50**	50	480 x 775 x 450	26	320	BD35F	50 (-20°C)
TB 50 AC / DC	50	480 x 775 x 450	26	320	BD35F	50 (-20°C)

* Power consumption in operation in 12 volt with +6°C in the refrigeration space, ambient temperature +22°C.

** TB 50 splash proof

Specification changes may be made without prior notice



Travel Boxes

26, 32, 42, 50



TB 26

The TB 26 is built for a temperature range from +10° to -10°C. It is equipped with recessed hand-grips, a holding plate and interior light. The inside of the lid is shaped to allow two 1.5 liters PET bottles to stand upright. The cold is provided by a built-in fan-cooled compressor.

	Isotherm Travel Box 26	
	Type	TB 26
	Volume	26 Liters



TB 32

The TB 32 (fridge or freezer) combines robustness with a precise finish. It offers an injection moulded cabinet and a blow-moulded detachable lid as well as high-density insulation and an integrated evaporator. All these features keep food and drinks cool and fresh for a longer time. An internal light provides extra comfort in poor light or darkness. The TB 32 incorporates an AC/DC converter.

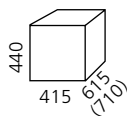
	Isotherm Travel Box 32	
	Type	TB 32
	Volume	32 Liters



TB 42

The TB 42 offers an extra robust, roto-moulded cabinet and a detachable two-way lid, allowing easy access to the content where space is restricted. An integrated basket allows better storage of the food. The box is equipped with recessed hand-grips and mountable carrying handles. The TB 42 AC/DC version offers all the benefits of the TB 42 and additionally a built-in electronic thermostat as well as an AC/DC converter. With removed hand-grips, depth can be reduced by 95 mm.

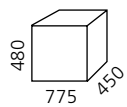
Isotherm Travel Box 42	
Type	TB 42
Volume	42 Liters



TB 50

The TB 50 (fridge or freezer) was especially designed for outdoor conditions. It offers a built-in water splash protected compressor and its air supply mounted below. Extra thick insulations results in low power consumption at temperatures of +10° to -20°C in the deep freezer mode.

Isotherm Travel Box 50	
Type	TB 50
Volume	50 Liters



BUILT-IN COOLING BOXES



High flexibility on installation,
optimized use of free space
on board.



- 1 12/24 V Danfoss compressor
- 2 Plastic or stainless steel inside lining to avoid any damage even after contact with salt water
- 3 Roller slides available for BI 29 as an option
- 4 Evaporator integrated in the foam allows easy cleaning (except BI40)
- 5 Top ready to be customized

Built-In cooling boxes allow an optimized use of space on board thanks to the top-loading access to the interior. They are extremely flexible in size and design.

The advantages of a Built-In cooling box:

- Easy access to food and drinks from the top
- Better installation opportunities
- Extremely space saving
- Customization opportunities of the top lid for a perfectly adapted design

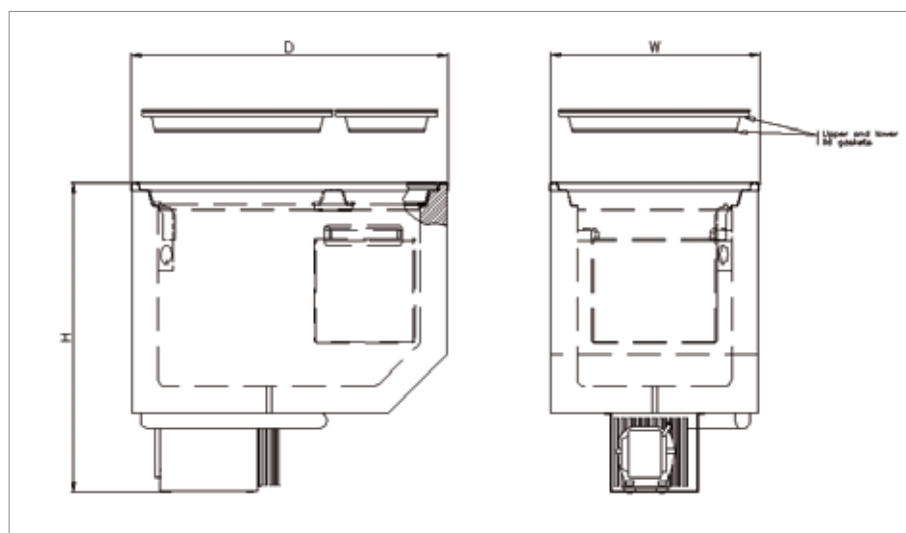
Overview: Built-In Cooling Boxes

Type	Volume (l)	Dimensions (HxWxD mm) ¹	Available with ASU	Water cooled option	Weight (kg)	Power consumption* W/24 hours	Danfoss Compressor Type
BI 29F**	29	370 x 340 x 670 ¹		X	18	250	BD35F
BI 40	40	420 x 405 x 560 ¹	X	X	16	270	BD35F
BI 41	41	625 x 340 x 500 ²		X	19	270	BD35F
BI 53 F**	53	630 x 430 x 650 ²		X	24	260	BD50F
BI 55	55	660 x 360 x 650 ²		X	22	280	BD35F
BI 75**	75	630 x 430 x 650 ²		X	22	340	BD35F
BI92***	92	615 x 485 x 805 ²		X	28	360	BD50F

* Power consumption in operation in 12 volt with +6°C in the refrigeration space, ambient temperature +22°C. Average Amp draw will be reduced by approx. 30% for ASU models when motoring one hour a day.

** External flange in stainless steel optional available, *** The built-in box operates as a fridge or freezer

¹ Depth can be reduced by 160 mm with removed compressor. ² Height can be reduced 160 mm with removed compressor. Cut out dimensions: H+5 mm; W+5 mm; D+5 mm. Specification changes may be made without prior notice.



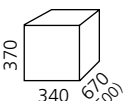
Built-In Cooling Boxes

29 / 40 / 41 / 53 / 55 / 75 / 92



BI 29 Dual

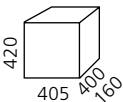
The BI 29 is a refrigerator or freezer box with stainless steel inner lining and plastic bottom section. It offers a range of +10° to -12°C. Equipped with roller slides the box can be used as a DRAWER. The fan-cooled compressor can be mounted up to 1.5 m away.

	Isotherm Built-In 29	
	Type	BI 29
	Volume	29 Liters



BI 40

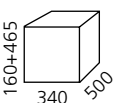
The BI 40 is a built-in refrigerator box. It is equipped with an L-shaped evaporator. The fan-cooled compressor is mounted on the side. The BI 40 is also available with ASU. Other compressor options as SP or Magnum are also available.

	Isotherm Built-In 40	
	Type	BI 40
	Volume	40 Liters



BI 41 Dual

The BI 41 is a refrigerator or freezer box with stainless steel inner lining, plastic bottom section and a wire basket. It offers a range of +10° to -10°C. The fan-cooled compressor is mounted on the side, or easily repositioned up to 1.5 meter away. Other compressor options as SP or Magnum are also available.

	Isotherm Built-In 41	
	Type	BI 41
	Volume	41 Liters



BI 53 F

The BI 53 F is a built-in freezer box with stainless steel inner lining, plastic bottom section and a wire basket. It offers a range of 0° to -20°C and is equipped with inner light. Its fan-cooled compressor unit is mounted below but easily repositioned up to 1.5 meter away. Other compressor options as SP or Magnum are also available.

	Isotherm Built-In 53 F	
	Type	BI 53
	Volume	53 Liters



BI 55

The BI 55 is a built-in refrigerator box with stainless steel inner lining, plastic bottom section and two wire baskets. It is equipped with interior light. Its fan-cooled compressor unit is mounted below but easily repositioned up to 1.5 meter away. Other compressor options as SP or Magnum are also available.

	Isotherm Built-In 55	
	Type	BI 55
	Volume	55 Liters



BI 75

The BI 75 is a built-in fridge box with stainless steel inner lining, plastic bottom section and two wire baskets. It is equipped with inner light. Its fan-cooled compressor unit is mounted below but easily repositioned up to 1.5 meter away. Other compressor options as SP or Magnum are also available.

	Isotherm Built-In 75	
	Type	BI 75
	Volume	75 Liters



BI 92 Dual

The BI 92 is a built-in fridge or freezer box with stainless steel inner lining, plastic bottom section and three wire baskets. It offers a range of +10° to -20°C and is equipped with inner light. Its fan-cooled compressor unit is mounted below but easily repositioned up to 1.5 meter away. Other compressor options as SP or Magnum are also available.

	Isotherm Built-In 92	
	Type	BI 92
	Volume	92 Liters



ISOTHERM EXCLUSIVE COOLING TECHNOLOGY

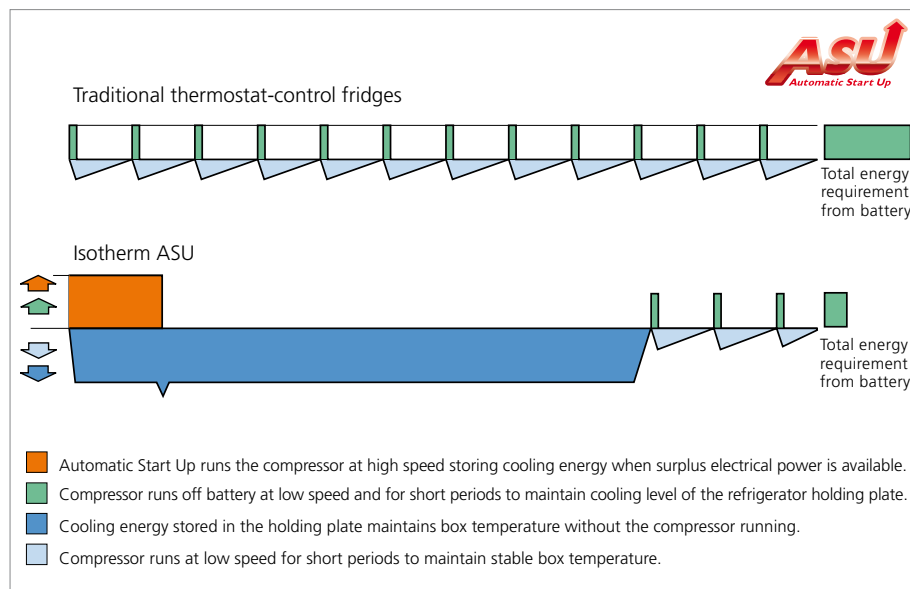
Isotherm ASU charges the holding plate while the engine is running

The patented ASU system has now been available for more than 20 years and has been installed on tens of thousands of boats worldwide. The ASU system starts the compressor when the engine is running and the power is available to freeze the holding plate completely. The energy stored in the holding plate will keep the refrigerator cool for many hours. When the engine is stopped, the compressor will not restart until the cold stored in the plate is all consumed. Once the stored cold is completely consumed, the compressor starts to run for short periods to maintain the required temperature in the box. With its unique principle of operation – the patented ASU “Automatic Start Up” system – Isotherm ASU has an important competitive advantage over traditional refrigerators.

ASU – Automatic Start Up

This unique system is designed to start the compressor up to 75 % of its performance mainly when the engine is running and plenty of power is available. Using a powerful compressor (a three-phase compressor with full-range speed control) is highly recommended as it achieves a quicker freezing of the holding plate. By taking advantage of the surplus energy generated by the alternator when the engine is running, the ASU feature does not reduce the engine’s effectiveness.

Isotherm by Indel Webasto Marine Refrigerators



Frost-free – Award winning technology



The Indel Webasto Marine frost-free concept provides structural features which prevent the accumulation of ice inside the freezer which therefore avoids an increase in energy consumption. All models equipped with the frost-free concept are extremely economical and save energy on board.

Convincing facts for the frost-free concept:

- Exclusive Indel Webasto Marine technology for the marine market
- No ice accumulation for an excellent efficiency increase
- Exceptional cooling achievement: the refrigerator and the freezer reach the set temperature faster
- Stable inside temperature
- Manual defrosting becomes redundant
- No more unpleasant water pools resulting from incorrect manual defrosting



ISOTHERM COOLING UNITS (1)

Two approaches to provide perfect coolness at any demand:

Indel Webasto Marine provides you with two product ranges of high-quality cooling units:

1) Compact

The Compact thermostat-regulated refrigeration unit uses a Danfoss compressor to cool an evaporator fitted in your refrigerator or deep freezer box.

The Danfoss compressors are even more power efficient. Hermetically sealed, they operate in a mixture of oil and refrigerant which contributes to extremely quiet running and very little fatigue of material. All compressors used for Isotherm applications run on a three-phase electric system, just as all other high efficiency electric engines.

The three-phase current is created in a small microprocessor. In this "computer" Indel Webasto Marine has been able to programme a number of functions which check and control many of the unit systems. This allows achieving the lowest possible power consumption. The same compressor is used for both 12 V and 24 V systems, and the electronic unit is able to protect itself from accidental reversal of the voltage polarity.



2) ASU

The intelligent refrigerator charges the holding plate while the engine is running by means of the patented energy-management system.

The ASU technology detects when a surplus of power is available, uses this power to freeze the cooling plate which consequently stores the cold for times, when no power is available for cooling purposes. A high-quality Danfoss compressor builds the core of

the patented ASU "Automatic Start Up" electronic control system. Together with the Isotherm holding plate they are an unbeatable combination.



How much power is needed?

This is the most frequently asked question of all.

We can give exact power consumption figures for our range of refrigerators, freezers and boxes, as we know their size and quality of insulation. It is more difficult to quote a figure for self-installed refrigeration boxes as we do not know the exact size of the box, or even more important, the quality and thickness of the insulation

material used. The power consumption figures given for a particular volume are therefore calculated for an insulation material of medium quality and thickness. The average power consumption is given in Watt/24 hours.

Practical click-on mounting bracket:



A practical click-on mounting bracket suitable for horizontal or vertical mounting is included in all models except the AC/DC and the Magnum models.

Fasten the bracket and lift the compressor into place.

'Click'! The compressor locks onto the bracket without adjustments or tools.



ISOTHERM COOLING UNITS (2)

Three possible cooling systems

Indel Webasto Marine provides a wide range of cooling units to suit every demand. For an efficient removal of the heat, various methods can be applied. Isotherm cooling units use air or sea water to remove the heat.

Self-pumping sea water-cooled

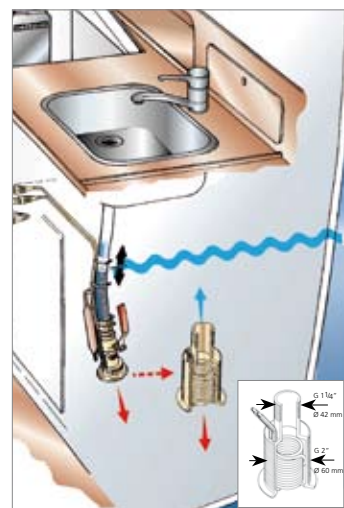


The Isotherm SP units use sea water to remove the heat. This method has the advantage that refrigeration efficiency is completely independent from the air temperature inside the boat. Even on the hottest day the water-cooled Isotherm SP operates consistently at an extremely high level of efficiency. Without fans or pumps to remove the heat generated by the compressor, the SP system consumes much less battery power and is remarkably quiet.

The Isotherm SP unit uses the movements of the hull to draw heat down and out through a special fitting in the galley sink drain hose. The flow is completely free inside the draining hose, so each movement of the surrounding water produces a similar quantity of water level inside the hose, which results in pumping an equivalent amount of water in and out. By designing a special hull fitting containing a non restricting, fullflow spiral heat exchanger for cooling the heated refrigeration agent, an extremely efficient cooling system is created.

As the hull fitting is situated away from the boat's centre of gravity, the smallest movement of the hull or mast of sailing boat is sufficient to create a pumping action. This movement results in constant withdraw of warm water and intake of cold water which also prevents fouling.

- Sea water cooling for even higher efficiency.
- Lower power consumption.
- Silent – no fan nor pumps.
- Heat removed by water means cooler inside the boat.
- No extra holes in hull required.
- Simple to fit. Replaces the through-hull fitting for galley sink.



Air-cooling



Using air which is blown through the condenser by a fan is the traditional way to remove the heat. It is important that the compressor compartment is well ventilated allowing cold air to enter from below and hot air to escape to the top.



Isotherm Magnum – Electric pump sea water-cooled



Isotherm Magnum units are especially designed for vessels with exceptionally high refrigeration requirements, for example vessels sailing in tropical waters. Isotherm Magnum uses the surrounding water to increase cooling efficiency.

All Magnum models are fitted with integral sea water pumps for circulating the cooling water through the cooling section of the refrigerator compressor. The pump is quiet, self-priming, withstands dry running and is self-aerating. The highly efficient heat exchanger is manufactured in a corrosion-resistant copper-nickel alloy and fitted with a zinc anode. Sea water-cooled units are extremely efficient and offer increased cooling capacity.

Isotherm Magnum Twin

The Magnum Twin model is the biggest and most modern refrigeration unit in the range, using twice the compressor power as the smaller Magnums. By combining two Danfoss compressors, even the largest refrigerators (up to 500 liters) or freezers (up to 175 liters) work to capacity. For trouble-free operation over long periods, the lubrication systems of both compressors are connected with an oil cooler to ensure continuous operation at full capacity even in tropical conditions.



Cooling Units Compact

Cooling Units Compact:

The compact cooling units use air or sea water to remove the heat. They are available in a wide range to offer solutions for any demand.

Air-cooled



- Fridge or Freezer use
- 12/24 V Danfoss compressor
- Universal kit AC/DC optional for a complete power supply compatibility (12/24 V, 230/115 V and 50/60 Hz)
- Easy installation thanks to "click-on" system

Water-cooled self pumping – SP



- Fridge or Freezer use
- 12/24 V Danfoss compressor
- Universal kit AC/DC optional for a complete power supply compatibility (12/24 V, 230/115 V and 50/60 Hz)
- Easy installation thanks to "click-on" system
- SP system (patented) to reduce the noise of a ventilated condenser and reach a very low power consumption

Water-cooled – MAGNUM



- Fridge or Freezer use
- 12/24 V Danfoss compressor
- Universal kit AC/DC optional for a complete power supply compatibility (12/24 V, 230/115 V and 50/60 Hz)
- Easy installation thanks to "click-on" system
- Self-priming sea water pump to ensure extra high efficiency for tropical applications
- Variable speed water pump according to the temperature of the condenser



Technical Data:

Type	Max. Volume (l)		Dimensions evaporator L x W x H (mm)	Dimensions compressor L x W x H (mm)	Weight (kg)	Power consumption* W/24 hours	Compressor type	Temp range**
	Fridge	Freezer						
Air-cooled								
GE 80	80	26	350 x 250	270 x 160 x 155	9	320	BD35F	Fridge or Freezer
GE 150	150	50	386 x 361	270 x 160 x 155	9	370	BD35F	Fridge or Freezer
2001	125	41	240 x 85 x 210	270 x 160 x 155	9	350	BD35F	Fridge or Freezer
2301	150	50	320 x 100 x 230	270 x 160 x 155	9	370	BD35F	Fridge or Freezer
2501	200	66	380 x 140 x 270	315 x 160 x 155	9	500	BD50F	Fridge or Freezer
2005	60	20	350 x 130	270 x 160 x 155	9	300	BD35F	Fridge or Freezer
2007	100	33	250 + 110 x 350	270 x 160 x 155	9	335	BD35F	Fridge or Freezer
2010	125	41	410 + 185 x 210	270 x 160 x 155	9	350	BD35F	Fridge or Freezer
2012	170	56	815 x 210	315 x 160 x 155	11	390	BD50F	Dual
2016	200	66	1200 x 190	315 x 160 x 155	12	500	BD50F	Dual
2017	260	86	1000 x 270	315 x 160 x 155	12	650	BD50F	Dual
2013	400	133	1370 x 300	315 x 160 x 155	12	1000	BD50F	Dual
Sea water-cooled								
SP								
2051	125	41	240 x 85 x 210	210 x 135 x 155	11	320	BD35F	Fridge or Freezer
2351	150	50	320x 100 x 230	210 x 135 x 155	11	345	BD35F	Fridge or Freezer
2551	200	66	380 x 140 x 270	210 x 135 x 155	13	440	BD50F	Fridge or Freezer
2055	60	20	350 x 130	210 x 135 x 155	10	290	BD35F	Fridge or Freezer
2057	100	33	250 + 110 x 350	210 x 135 x 155	10	315	BD35F	Fridge or Freezer
2050	125	41	410 + 185 x 210	210 x 135 x 155	11	320	BD35F	Fridge or Freezer
2553	170	56	815 x 210	210 x 135 x 155	13	365	BD50F	Dual
2554	200	66	1200 x 190	210 x 135 x 155	13	440	BD50F	Dual
2555	260	86	1000 x 270	210 x 135 x 155	13	580	BD50F	Dual
2556	400	133	1370 x 300	210 x 135 x 155	14	880	BD50F	Dual
MAGNUM								
2505	200	66	380 x 140 x 270	440 x 220 x 175	15	420	BD50F	Dual
2511	170	56	815 x 210	440 x 220 x 175	15	360	BD50F	Dual
2512	200	66	1200 x 190	440 x 220 x 175	15	420	BD50F	Dual
2513	260	86	1000 x 270	440 x 220 x 175	15	550	BD50F	Dual
2507	400	133	1370 x 300	440 x 220 x 175	16	840	BD50F	Dual
2509	500	166	1500 x 460	525 x 225 x 175	22	1000	BD50Fx2	Dual
2607	425	141	1370 x 300	440 x 220 x 175	16	880	BD80F	Dual
2609	600	200	1500 x 460	440 x 220 x 175	17	900	BD80F	Dual

* Power consumption in operation (12 volt) with +6° C in the refrigeration space, with ambient/water temperature of +22° C and medium sized insulation;

** Temperatures range: from +2° C to -18° C. Reduce recommended box volume with 10-20% for tropical conditions. Specification changes may be made without prior notice. Dual can operate both as a fridge or a freezer by setting the temperature with a special thermostat.

Cooling Units – Automatic Start Up (ASU)

Automatic Start Up (ASU):

The ASU cooling units are also available in air-cooled or sea water-cooled models.

Equipped with the patented ASU technology they offer an innovative energy management system to the user.

Air-cooled



- Fridge or Freezer use
- 12/24 V Danfoss compressor
- Universal kit AC/DC optional for a complete power supply compatibility (12/24 V, 230/115 V and 50/60 Hz)
- Easy installation thanks to "click-on" system

Water-cooled self pumping – SP



- Fridge or Freezer use
- 12/24 V Danfoss compressor
- Universal kit AC/DC optional for a complete power supply compatibility (12/24 V, 230/115 V and 50/60 Hz)
- Easy installation thanks to "click-on" system
- SP system (patented) to reduce the noise of a ventilated condenser and reach a very low power consumption
- The perfect combination for sailing yachts

Water-cooled – MAGNUM



- Fridge or Freezer use
- 12/24 V Danfoss compressor
- Universal kit AC/DC optional for a complete power supply compatibility (12/24 V, 230/115 V and 50/60 Hz)
- Easy installation thanks to "click-on" system
- Self-priming sea water pump to ensure extra high efficiency for tropical applications
- Variable speed water pump according to the temperature of the condenser



Technical Data:

Type	Max. Volume (l)		Dimensions evaporator L x W x H (mm)	Dimensions compressor L x W x H (mm)	Weight (kg)	Power Consumption* W/24 hours	Compressor Type	Temp range**
	Fridge	Freezer						
Air-cooled								
3201	125	40	300 x 210 x 60	270 x 160 x 155	14	250	BD35F	Fridge or Freezer
3701	200	65	355 x 280 x 60	315 x 160 x 155	16	370	BD50F	Fridge or Freezer
Sea water-cooled								
SP								
3251	125	40	300 x 210 x 60	210 x 135 x 155	15	230	BD35F	Fridge or Freezer
3751	200	65	355 x 280 x 60	210 x 135 x 155	17	320	BD50F	Fridge or Freezer
MAGNUM								
4201	200	65	355 x 280 x 60	390 x 200 x 175	19	300	BD50F	Fridge or Freezer
4701	240	80	355 x 280 x 90	390 x 200 x 175	23	380	BD50F	Fridge or Freezer
4901	400	130	530 x 325 x 117	440 x 220 x 175	32	600	BD80F	Fridge or Freezer
5301	260	85	355 x 280 x 90	525 x 225 x 175	27	400	BD50Fx2	Fridge or Freezer
5801	325	105	400 x 320 x 90	525 x 225 x 175	30	460	BD50Fx2	Fridge or Freezer

* Power consumption in operation (12 volt) with +6°C in the refrigeration space, with ambient/water temperature of +22°C and medium sized insulation;

** Temperatures range: from +2°C to -18°C. We recommend to reduce the box volume by 10-20 %, in tropical conditions.
Specification changes may be made without prior notice.



Build your own cooling box!

Build a box in your boat. It is not difficult at all!

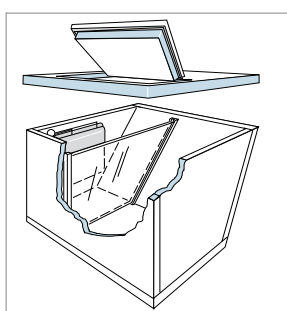
Most boats have one thing in common. They have very few right angles or regular shaped compartments. This makes it difficult at times to install a pre-configured refrigerator or freezer.

But no need to despair. Indel Webasto Marine offers do it yourself refrigeration or freezing boxes!

Indel Webasto Marine can supply a flat-pack set of ready-cut insulated panels to help build a customised box. The panels are covered on both sides with 2.5 mm plastic laminate of food-stuff quality and have 46 mm thick closed cell foam insulation in between. They are easy to cut and glue together using a polyurethane sealant or mould resistant silicone resulting in joints that are leak-proof but not totally inflexible.

The kit consists of three insulation panels measuring 978 x 478 x 50 mm, cover strips for the edges of the lid as well as a user-friendly instruction manual.

Cooling evaporators are available in a number of designs: the O-shaped serves for freezer compartments but requires slightly more space. The L- and flat-shaped can be bent to fit the box. These require less space and produce a slightly more even temperature distribution in the box, but do not have a freezer compartment. The evaporators can be fitted in any position. They are delivered with 2 meter pipes, have quick-couplings and require an installation opening of not more than \varnothing 30 mm in the refrigerator wall. The desired temperature is adjusted with a thermostat. A time-saving mounting bracket with click-on locking is available for Compact CLASSIC as an option and included as standard in the SP models. A cooling and ventilation fan is fitted to all our air-cooled models for highest efficiency.



Type: SCD00001AA Kit (three panels 978 x 478 x 50 mm each)

Find the right evaporator:

Isotherm Large and Jumbo evaporators have extra large freezing surface that can be bent so that cooling energy can be radiated from all four sides. The Isotherm Magnum model is available with a holding plate suitable for freezer and adjustable to -18°C , but it produces less stable temperature compared to the radiation type evaporator.

To achieve stable freezing temperatures within the box, we recommend the powerful Large or Jumbo evaporators. To determine the ideal size of evaporator for your boat, divide the recommended maximum volume by three. Additionally an extra freezer thermostat kit has to be ordered. The size of evaporator should be chosen under the consideration to have at least two mounted to the sides of the box. The evaporator, which is made of malleable aluminium enabling it to be shaped to perfectly fit the inside of the box, is available for freezers of up to 175 liters. Temperature is regulated with a traditional thermostat.

For high efficient freezing, large, covering evaporators are required. The ASU feature is not recommended in this application.













Cooling Units Accessories:

Picture	Order Number	Description
	SEH00004HA	Power pack 110/240V AC 47/63 Hz IN, 24V DC 4,2 A OUT for BD35F/BD50F
	SEC00003DA	Internal light kit 12-24V
	SBE00004AA	Air hose adapter kit Ø 106 mm (l = 1.500 mm)
	SGE00012AA	"Click-on" bracket for an easy compressor' installation
	SEA00076DA	High speed Thermostat kit for freezers
	SBD00031AA	Extension tube with couplings (l = 1 m)
	SBD00032AA	Extension tube with couplings (l = 2 m)
	SBD00033AA	Extension tube with couplings (l = 3 m)
	SBE00006AA	Zinc anode for sea water-cooled SP units
	SBE00008AA	Zinc anode, 3/8", for sea water-cooled MAGNUM units

* Included in SP, option for air-cooled units and does not fit Magnum models.

Picture	Order Number	Description
	SGC00005AA	Evaporator door O-SMALL
	SGC00004AA	Evaporator door O-MEDIUM
	SGC00003AA	Evaporator door O-BIG
	SEA00004DA	Double thermostat kit, 10° to -20° C
	SFD00008AA	Skin fitting valve kit for SP units
	SBE00071CA	Air circulation fan
	SGC00152AA	Foldable bottle rack
	SGC00006AA	Ice cube kit for holding plate (ASU system)
	<p>The ASU system is controlled from a special control panel. Switch to 'Normal/Auto' and this unique system operates in fully-automatic mode maintaining the correct temperature at an absolute minimum battery load. If battery power management is not vital – as when connected to shore-power or running on solar panels - the 'Man/Temp' mode can be selected and temperature adjusted manually by turning the dial on the panel.</p>	
	<p>Isotherm ASU is delivered as a complete do-it-yourself kit. Everything is pre-filled and ready-to-go. The cold-holding plate and compressor are connected together by quick-fit couplings that can be connected and disconnected at will. This allows us to thoroughly test all units during production ensuring the highest possible quality. Cables and connectors are of telephone-type.</p>	



A practical click-on mounting bracket suitable for horizontal or vertical mounting is included in all models except the AC/DC and the Magnum models.

Fasten the bracket and lift the compressor into place.

'Click'! The compressor locks onto the bracket without adjustments or tools.

SPECIAL DESIGN REFRIGERATORS AND FREEZERS



Customized solutions
to fit any size, shape
and demand!

Indel Webasto Marine offers tailored refrigeration and freezer solutions to meet customer needs even on very complex projects. The project is realised in close cooperation between the shipyard and Indel Webasto Marine. Indel Webasto Marine will conduct a complete study to determine the best solution which fits both economic and technical constraints. Do not hesitate to contact us for more detailed information.

Product Specifications:

- Completely tailored solutions
- Overall compatibility with the boat's interior design
- The custom-built approach in the product study assures an easy installation of the unit as well as an excellent effect on board
- Production technology is chosen according to the customer's request (small quantity, glass fiber boxes, high quantity, rotomoulding technology)

ON BOARD SAFES

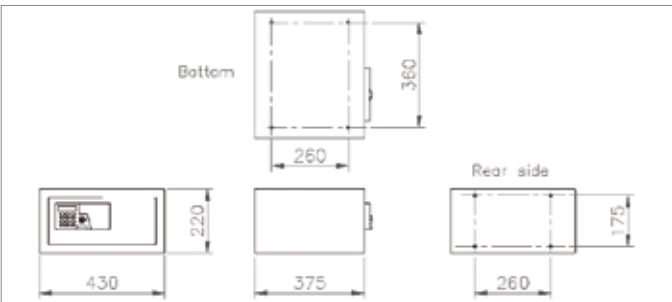
Boat owners using sophisticated and expensive, most technical equipment, create a higher demand for security on board. On board safes ensure on board security. The Isotherm safes are available in two sizes. The larger model (Safe 30) is big enough to store a laptop computer. The smaller model fits to store smaller size electronics.



- 1 Extra thick stainless steel AISI 304 of 5 mm
- 2 Three independent locking systems (code number, mechanical, electronic key)
- 3 Robust design
- 4 Mounting bracket kit
- 5 Plenty of space inside

Overview: On Board Safes

Article number	Type	Dimensions H x L x W (mm)	Weight (kg)
7010000A00000	Safe 10	165 x 300 x 230	7
7030000A00000	Safe 30	220 x 430 x 350	19



AIR HEAT EXCHANGERS

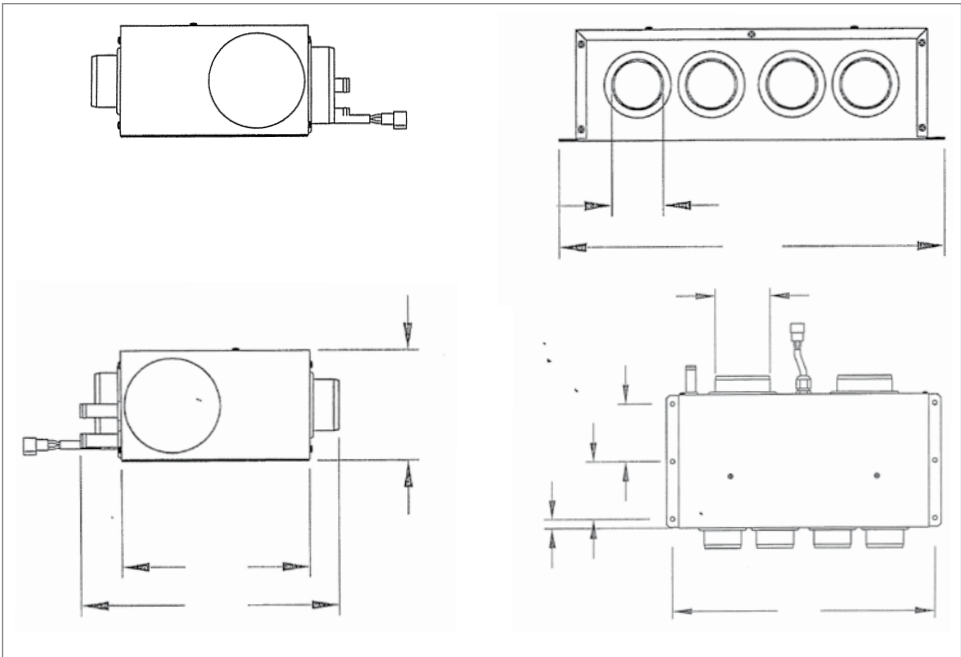


- 1 Four outlets with Ø 60 mm
- 2 The air intake can be canalised with hose adapters
- 3 Fan speed regulation
- 4 12/24V versions available
- 5 Casing in stainless steel
- 6 High heat output of 10 kW
- 7 High temperature resistant components

The Air Heat Exchanger transfers the surplus of heat coming from the engine using it to defrost as well as to heat the cabin. It has a radial fan with three power steps. It is equipped with four 60 mm hose brackets for the warm air distribution.

Overview: Air Heat Exchangers

Article number	Heat output	Dimensions L x H x W (mm)	V	Water pressure	Water hose connection	Weight (kg)	Power consumption in Watts			Air flow
							Low	Medium	High	
6D01A1DH00000	10 kW	450 x 300 x 130	12 V	2.5 bar	16 mm / 5/8"	5.5	45	54	84	500m³ / H
6D01B1DH00000	10 kW	450 x 300 x 130	24 V	2.5 bar	16 mm / 5/8"	5.5	45	54	84	500m³ / H



MARINE WATER HEATERS



- ① Robust design
- ② Water tank in stainless steel
- ③ External cylinder in stainless steel
- ④ Stable fixing feet in stainless steel, 360° adjustable fixing for easy and also bulkhead installation



We give 5 years warranty on the inner tank, for corrosion or material stress!**

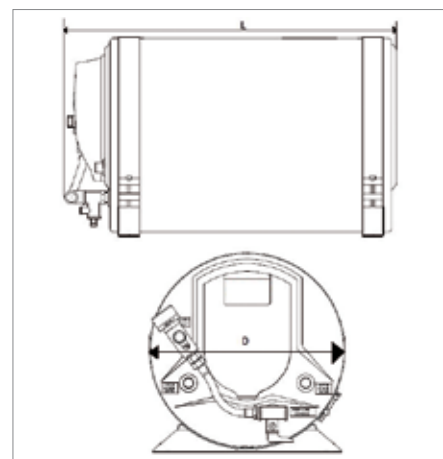
Product Specifications:

- Extra long, corrugated coils for high heat exchange efficiency
- Special 7.0 bar/100 psi safety valve; Simple winter drain
- Ultra-thick insulation for lowest temperature loss
- Electrical plug and play
- Immersion heating element, especially designed to heat also the water at the bottom of the tank
- Thermostat mixing valve available as an option
- Immersion heating element available in 750, 1200, 2000, 3000 W as an option

Isotemp water heaters are specifically designed for the use on yachts and boats. Only high quality components are chosen to ensure the best product performance. The marine water heaters are very robust, both the water tank and external cylinder are made of stainless steel.

Isotemp Water Heaters

The Isotemp water heater comes with brushed stainless steel cover as well as innovative internal design. It achieves highest capacity by optimised installation of the engine water heat exchanger as well as the immersion heater. They are positioned in the lowest part of the tank where the water is coldest in order to ensure an equal heating of all the water in the tank. The water in- and outlets are especially designed to minimize the mixture of cold and hot water.



Overview: Marine Water Heaters

Article number	Type	Volume (l)	Dimension* L x ØD (mm)	Weight (kg)	Max. pressure (bar)	Immersion heater**
601531S000000	Slim 15	15	520 x 295	10.5	7.0	230 V / 750 W
602031S000000	Slim 20	20	645 x 295	11.5	7.0	230 V / 750 W
602531S000000	Slim 25	25	765 x 295	13.5	7.0	230 V / 750 W
602431B000000	Basic 24	24	470 x 395	14.0	7.0	230 V / 750 W
603031B000000	Basic 30	30	535 x 395	17.0	7.0	230 V / 750 W
604031B000000	Basic 40	40	640 x 395	20.0	7.0	230 V / 750 W
605031B000000	Basic 50	50	760 x 395	23.0	7.0	230 V / 750 W
607531B000000	Basic 75	75	1050 x 395	29.0	7.0	230 V / 750 W
Square			Dimension* L x ØD x W (mm)			
601631Q000000	Square 16	16	400 x 180 x 560	16.0	5.5	230 V / 750 W
Double coil			Dimension* L x ØD (mm)			
602431BDT0000	Basic 24 TCT	24	470 x 395	14.0	7.0	230V/750 W
604031BDT0000	Basic 40 TCT	40	640 x 395	20.0	7.0	230V/750 W
607531BDT0000	Basic 75 TCT	75	1050 x 395	29.0	7.0	230V/750 W

* Including thermostat mixing valve; ** Immersion heater 115 V/750 W also available. Material: Tank, engine water coil and all connections AISI 316; Outside cover and mounting feet: AISI 304; Electric immersion heater: Copper covered by Nickel; Insulation: Polyurethane; Water connections: 1/2" inside and outside NPT and BSP pipe thread. Changes of the specification may be done without prior notice.

** The stainless steel outside cover as well as the mounting feet are made of non magnetic stainless steel AISI 304. The Basic 40 and 75 liters water heaters are also available in a special version with double engine water coils for connection to the engine as well as to water based on board heater system.

Indel Webasto Marine – Some Reference Applications in Leading Shipyards



DRAWER 65 INOX



CRUISE 200 customized with wooden door



CRUISE 65 INOX



CRUISE 49 INOX



CRUISE 36 Black



Special design



CRUISE 49



Side by side installation of the CR 130 fridge and the CR 90 freezer

One experienced partner for reliable comfort



Established in 1901 and headquartered near Munich, Webasto AG is still owned by the founding family. With the experience and the know-how of a long company history, Webasto has developed into **one of the leading suppliers** for comfort on any vehicle or vessel. Over this period, Webasto continuously enlarged its product portfolio to reach the unique position of being able to deliver **complete solutions for heating, cooling, as well as light and fresh air on board.**



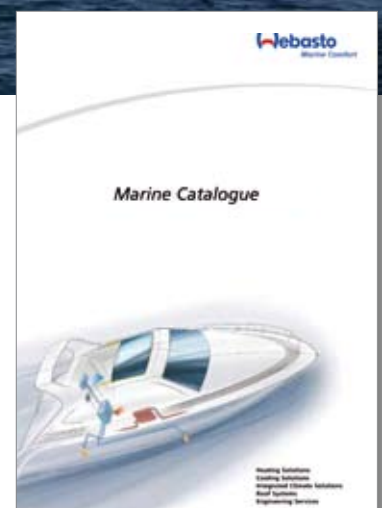
Heaters



Air conditioners



Roofs



Indel Webasto Marine – Presence all over the world!



Indel Webasto Marine is the successful Joint Venture of Italian based IndelB and Germany based Webasto. These two companies join forces to bring high quality solutions enhancing comfort in galley equipment for Marine applications and to provide excellent customer service in all key boating areas.

Our global dealer support network ensures local expertise for all our customers. For more information, please visit our website www.indelwebastomarine.com.