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REFRIGERATION & ESKIMO ICE SYSTEMS PRODUCT GUIDE

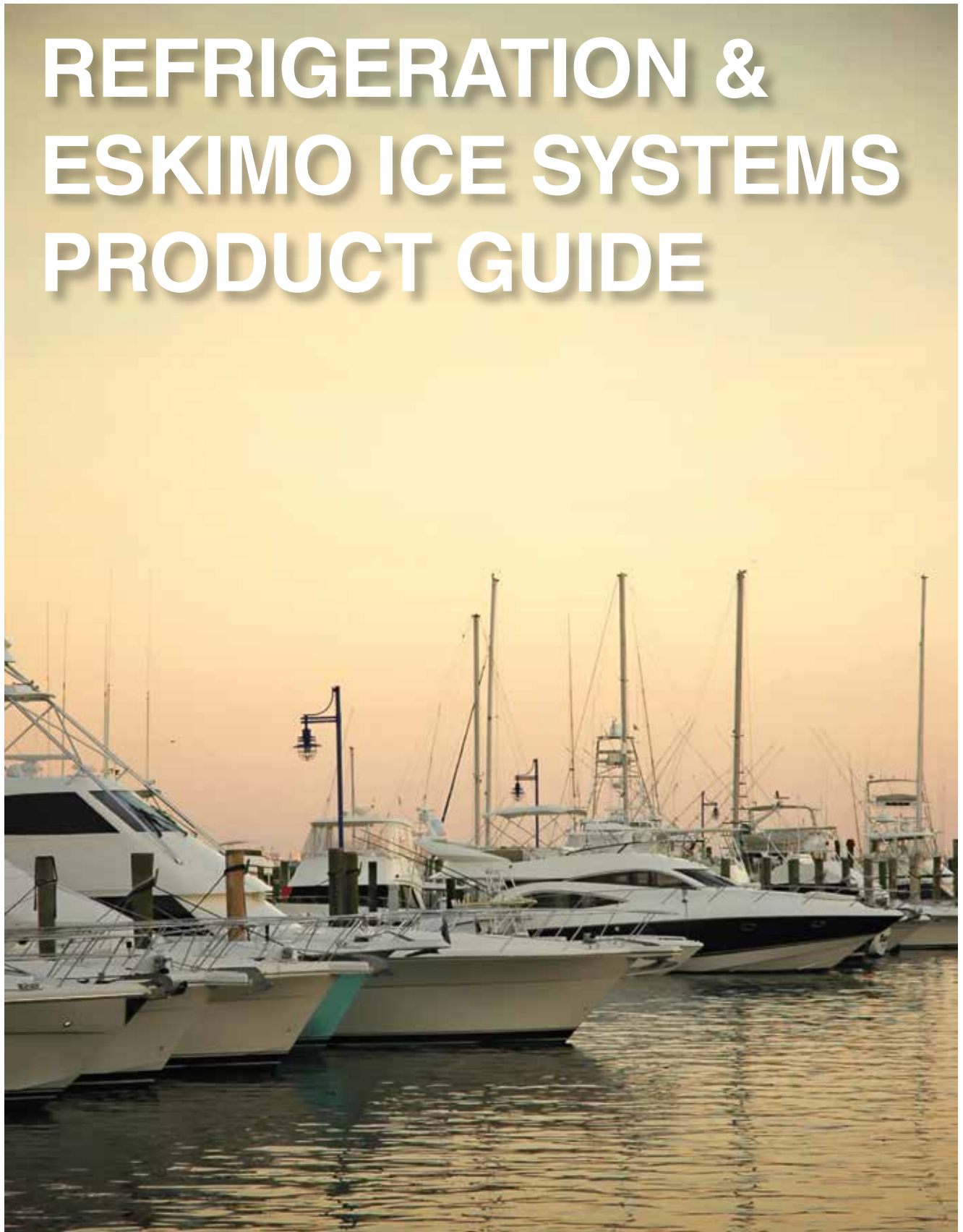


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CR Series Built-In Refrigerators

Award-Winning Style; Full-Width Freezer Compartment



Left to right: CR-1050U/F with black finish and black flush-mount flange, CR-1050E/F-W with white finish and silver flush-mount flange, and CR-1050E/S-S with brushed-metal finish and silver space-saver flange.

Luxury meets performance and top-of-the-line technology with Dometic's CR Series of premium refrigerators with freezer compartments. CR refrigerators are constructed for the rigors of marine use, but designed to complement any galley or cockpit.

Each CR Series appliance is equipped with a hermetically sealed compressor, providing excellent cooling performance, ultra-quiet operation, and minimal power consumption whether operating on DC or AC power. The door's face panel is interchangeable in the field to suit the decor or setting.

During rough sea conditions, the door remains securely closed—at top and bottom—as a result of the patented double-lock mechanism. The CR's vent feature holds the door open slightly for easy defrosting and mildew prevention. The door can be re-oriented to open to the left or right to accommodate any galley configuration.

Award Winning Design

"Beyond pleasing aesthetics, the CR Series compressor refrigerators offer several clever design touches, including a lock to allow the cabinet to ventilate when not in use and a very positive latching mechanism." (Design Award METS Jury)



Award-winning design complements any galley or cockpit.



Recessed, full-width door handle maintains sleek and modern styling.



Full-width freezer compartment with door.

Key Benefits

- 12/24V DC or 110/220V AC operation
- Exclusive protected evaporator eliminates the risk of ice-pick damage
- Full-width freezer compartment
- Diagnostic circuitry installed with green and red LEDs
- Face panel is interchangeable – even when unit is installed
- Fully hermetic compressor
- Recessed handle provides smooth, sleek surface
- Four sizes and a variety of finishes
- Includes egg tray, bottle holder, extra-large vegetable bin, and adjustable shelves and racks

Special Options

- Flush-mount or space-saver flange

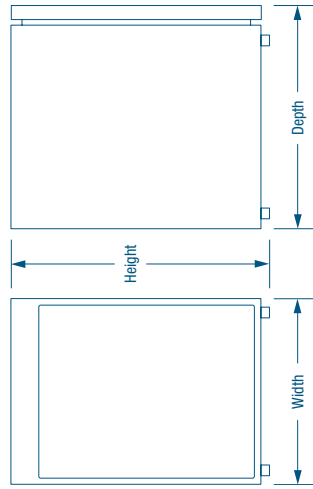
Specifications for CR Series Built-In Refrigerators

Model ⁽¹⁾⁽²⁾	CR-1050E/F-S	CR-1065E/F-S	CR-1080E/F-S	CR-1110E/F-S
Gross Capacity (l/cf)	48/1.7	64/2.27	80/2.83	108/3.82
Refrigerator Capacity (l/cf)	40/1.42	48/1.7	66/2.34	95/3.36
Freezer Capacity (l/cf)	5/0.18	7/0.25	7/0.25	9/0.32
Amps @ 120V DC (A)	5.7	5.7	5.9	5.9
Amps @ 24V DC (A)	2.8	2.8	3	3
Amps @ 120V AC (A)	0.79	0.79	0.88	0.88
Amps @ 240V AC	N/A	N/A	N/A	N/A
Refrigerator Temp Range-Low (°C/°F)	0/32	0/32	0/32	0/32
Refrigerator Temp Range-High (°C/°F)	10/50	10/50	10/50	10/50
Freezer Temp Range-Low (°C/°F)	-18/1	-18/1	-18/1	-18/1
Freezer Temp Range-High (°C/°F)	0/32	0/32	0/32	0/32
Insulation	PU foam all around	PU foam all around	PU foam all around	PU foam all around
Thermostat type	Mechanical	Mechanical	Mechanical	Mechanical
Height (mm/in)	562/22.13	553/21.78	667/26.26	772/30.4
Width (mm/in)	453/17.84	521/20.52	548/21.58	593/23.35
Depth (mm/in)	500/19.69	545/21.46	528/20.79	558/21.97
Net Weight (kg/lbs)	23/50.8	25.5/56.3	27.5/60.7	33/72.8
Gross Weight (kg/lbs)	27/59.6	29.5/65.1	32/70.6	38.5/84.9

¹ About model numbers. After base model number (e.g. CR-1050¹) add suffix 'U' for black finish, 'E' for brushed metal finish or 'E/F-S' for white finish. White finish is available only for CR-1050 and CR-1065.

² For black flush-mount flange add 'F'; for black space-saver flange add 'F-S'; (e.g. CR-1050U/F or CR-1050U/S). For silver flush-mount flange add 'F-S'; for silver space-saver flange add 'F-S' (e.g. CR-1050E/F-S or CR-1080E/S-S).

Dimensions



About Flush-Mount & Space-Saver Flanges



CR refrigerators are available with a flush-mount or space-saver flange. The flush-mount flange provides a pleasing cosmetic appearance and eliminates protruding handle or locks. The space-saver flange is available as an option when cabinet depth is limited.

Flush-Mount Flange Part Numbers

- Fit CR-1050: EFM-0050U (black) or EFM-0050E (silver)
- Fit CR-1065: EFM-0065U (black) or EFM-0065E (silver)
- Fit CR-1080: EFM-0080U (black) or EFM-0080E (silver)
- Fit CR-1110: EFM-0110U (black) or EFM-0110E (silver)

Space-Saver Flange Part Numbers

- Fit CR-1050: EST-0050U (black) or EST-0050E (silver)
- Fit CR-1065: EST-0065U (black) or EST-0065E (silver)
- Fit CR-1080: EST-0080U (black) or EST-0080E (silver)
- Fit CR-1110: EST-0110U (black) or EST-0110E (silver)

Dealer



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L-2604 Rev. 2014/07/25

NEW

CR Stainless-Steel Built-In Refrigerators

Modern Styling; Full-Width Freezer Compartment



Left to right: CR-1065S, CR-1080S, CR-1140S, CR-1110S, and CR-1050S

Luxury meets performance and top-of-the-line technology with Dometic's CR Series of premium refrigerators with freezer compartments. CR refrigerators are constructed for the rigors of marine use, and the modern stainless-steel finish will complement any galley or cockpit.

Each CR Series appliance is equipped with a hermetically sealed compressor, providing excellent cooling performance, ultra-quiet operation, and minimal power consumption whether operating on DC or AC power. The CR's vent feature holds the door open slightly for easy defrosting and mildew prevention. The door can be re-oriented to open to the left or right to accommodate any galley configuration.

Award Winning Design

"Beyond pleasing aesthetics, the CR Series compressor refrigerators offer several clever design touches, including a lock to allow the cabinet to ventilate when not in use." (Design Award METS Jury)



Capacity up to 136 liters (4.81 cu. ft.) and feature adjustable shelves, egg tray, bottle holder, and produce bins.



Stainless-steel models have a one-piece wrapped door cover.



Full-width freezer compartment with door.

Key Benefits

- 12/24V DC or 110/220V AC operation
- Exclusive protected evaporator eliminates the risk of ice-pick damage
- One-piece stainless-steel wrapped door
- Full-width freezer compartment
- Diagnostic circuitry installed with green and red LEDs
- Face panel is interchangeable – even when unit is installed
- Fully hermetic compressor
- Recessed handle provides smooth, sleek surface
- Refrigerator capacities from 40 to 119 liters (1.42 to 4.21 cu. ft.)
- Includes egg tray, bottle holder, extra-large vegetable bin, and adjustable shelves and racks

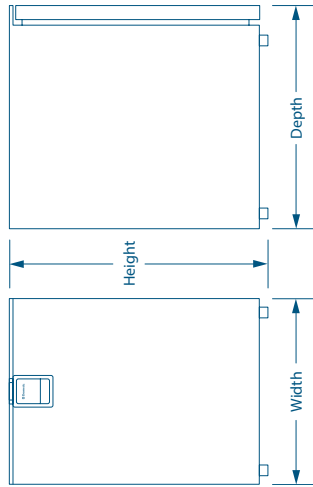
Special Options

- Flush-mount or space-saver flange

Specifications for CR Stainless-Steel Built-In Refrigerators

Model	CR-1050	CR-1065	CR-1080	CR-1110	CR-1140
Gross Capacity (l/cf)	48/1.7	64/2.27	80/2.83	108/3.82	136/4.81
Refrigerator Capacity (l/cf)	40/1.42	48/1.7	66/2.34	95/3.36	119/4.21
Freezer Capacity (l/cf)	50/1.8	7/0.25	7/0.25	9/0.32	11/0.39
Amps @ 12V DC (A)	5.7	5.7	5.9	5.9	5.9
Amps @ 24V DC (A)	2.8	2.8	3	3	3
Amps @ 120V AC (A)	0.79	0.79	0.88	0.88	0.88
Amps @ 240V AC	N/A	N/A	N/A	N/A	N/A
Refrigerator Temp Range-Low (°C/°F)	0/32	0/32	0/32	0/32	0/32
Refrigerator Temp Range-High (°C/°F)	10/50	10/50	10/50	10/50	10/50
Freezer Temp Range-Low (°C/°F)	-18/1	-18/1	-18/1	-18/1	-18/1
Freezer Temp Range-High (°C/°F)	0/32	-7/20	0/32	0/32	0/32
Insulation	PU foam all around	PU foam all around	PU foam all around	PU foam all around	PU foam all around
Thermostat type	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Height (mm/in)	562/22.13	534/21.3	640/25.2	745/29.34	815/32.09
Width (mm/in)	453/17.84	380/14.97	448/17.64	520/20.48	525/20.67
Depth (mm/in)	500/19.69	500/19.69	528/20.79	558/21.97	620/24.41
Net Weight	16.5 kg/36.4 lbs	44.1 lbs	20.7 kg/45.7 lbs	27.6 kg/60.9 lbs	29.9 kg/66 lbs
Gross Weight (kg/lbs)	19.6/43.3	24.5/54.1	26.5/58.5	31.5/69.5	34.5/76.1

Dimensions



About Flush-Mount & Space-Saver Flanges



Optional flush-mount or space-saver flanges in stainless steel are available separately. The flush-mount flange provides a pleasing cosmetic appearance and eliminates protruding handle or locks. The space-saver flange is ideal when cabinet depth is limited.

Flange Part Numbers for Ordering

- Fits CR-1050S: EFM-0050S (flush mount) or EST-0050S (space saver)
- Fits CR-1065S: EFM-0065S (flush mount) or EST-0065S (space saver)
- Fits CR-1080S: EFM-0080S (flush mount) or EST-0080S (space saver)
- Fits CR-1110S: EFM-0110S (flush mount) or EST-0110S (space saver)
- Fits CR-1140S: EFM-0140S (flush mount) or EST-0140S (space saver)

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L-3353 Rev. 2014/07/25

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Dealer

CRD-1050 Drawer Refrigerators

47-Liter Capacity and Removable Freezer Compartment



Dometic CRD-1050S drawer refrigerator with stainless-steel finish

Dometic CRD-1050 drawer refrigerators provide a convenient and highly efficient way to keep snacks and beverages cold on your boat.

Modeled after Dometic's CR series, winner of the DAME design award at the 2006 METS, CRD refrigerators have a durable metal frame construction able to withstand harsh marine conditions, yet feature an attractive, stylish appearance that will complement any galley, cockpit or flybridge. The door's face panel is interchangeable in the field to suit the decor or setting (black and brushed metal finish only), and the recessed door handle promotes sleek, modern styling. A flush-mount or space-saver flange is available in black, silver or stainless steel.

The CRD-1050 interior offers a generous 47-liter (1.65 cu. ft.) capacity. The freezer compartment with door has a 6-liter (0.22 cu. ft.) capacity and is removable to fit more or larger items needing refrigeration only. The continuously variable thermostat provides control over the amount of cooling.

In heavy seas, the locking mechanism keeps the door securely closed. Using the lock's venting feature allows easy defrosting and mildew prevention.

The CRD units are powered by a fully hermetic compressor with integrated control electronics. It is connection ready for 12/24V DC or 110/220V AC operation, and has low-voltage protection.



Wire brackets set in the drawer frame keep beverage bottles upright and secure.



CRD-1050 freezer can be removed to fit tall or bulky refrigerated items.



Full-width freezer compartment with door.

Key Benefits

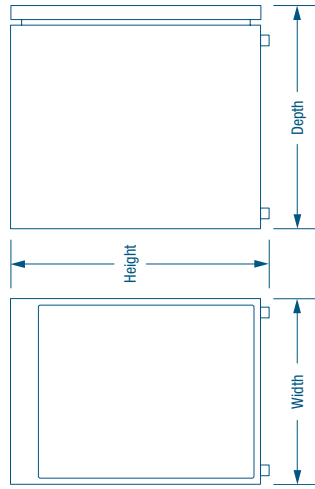
- 12/24V DC or 110/220V AC operation
- 47-liter (1.65 cu. ft.) gross capacity
- 6-liter (0.22 cu. ft.) freezer capacity
- Freezer compartment is removable to allow more space for items needing refrigeration only
- Attractive, modern styling
- Durable metal frame construction
- Fully hermetic compressor
- Continuously variable thermostat
- Low-voltage protection
- Recessed door handle
- Door lock's venting mechanism holds door open slightly for easy defrosting and mildew prevention
- Bright cool-blue, energy-efficient interior light
- New stainless-steel model with one-piece wrapped door

Specifications for CRD-1050 Drawer Refrigerators

Model ⁽¹⁾	CRD-0050
Gross Capacity (l/cf)	46.7/1.65
Refrigerator Capacity (l/cf)	32.5/1.15
Freezer Capacity (l/cf)	6/0.22
Amps @ 12V DC (A)	5.9
Amps @ 24V DC (A)	2.5
Amps @ 120V AC	N/A
Amps @ 240V AC	N/A
Refrigerator Temp Range (°C/°F)	2/36
Refrigerator Temp Range-High (°C/°F)	12/54
Freezer Temp Range-Low (°C/°F)	-15/5
Freezer Temp Range-High (°C/°F)	-7/20
Insulation	PU foam all around
Thermostat type	Mechanical
Height (mm/in)	534/21.3
Width (mm/in)	380/14.97
Depth (mm/in)	500/19.69
Net Weight (lbs)	44.1
Gross Weight (kg/lbs)	24.5/54.1

¹ After the base model number CRD-1050, add the suffix 'U' for brushed metal finish, 'E' for stainless steel finish, or 'S' for stainless steel (e.g. CRD-1050U).

Dimensions



About Flush-Mount & Space-Saver Flanges



Flush-mount or space-saver flange is available for the CRD refrigerators. The flush-mount flange provides a pleasing cosmetic appearance and eliminates protruding handles or locks. The space-saver flange is available as an option when cabinet depth is limited.

Flush-Mount Flange Part Numbers

- Black: EFM-0050U
- Silver: EFM-0050E
- Stainless-Steel: EFM-0050S

Space-Saver Flange Part Numbers

- Black: EST-0050U
- Silver: EST-0050E
- Stainless-Steel: EST-0050S

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L-3171 Rev. 20140711

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Dealer

CD-030 Drawer Refrigerator

Smart Cooling for Confined Spaces



The CD-030 drawer refrigerator turns any unused nook into a practical 30-liter (31.7 quart) capacity cooler. The CD-030 permanently installs in any cupboard space. A convenient variable thermostat protects your contents from freezing, and the Secop compressor is extremely energy efficient.

For installation flexibility, the compressor can be mounted on the unit's rear, left or right side, or up to 5 ft. (1.5 m) away. The CD-030 drawer refrigerator provides a very energy efficient, flexible solution for boats with limited space.



CD drawer refrigerators convert empty niches into smart cooling spaces on your boat.



Continuously variable thermostat prevents contents from freezing.



Also available in black.

Key Benefits

- 12/24V DC operation
- 30-liter (31.7 quart) capacity
- Easy-pull drawer on ball-bearing slides
- Continuously variable thermostat
- Sturdy metal housing
- Extremely energy efficient
- Injection molded parts
- Environmentally safe R-134A refrigerant
- CFC-free polyurethane insulation
- Available with black or white drawer face
- Hermetically sealed Secop compressor can be mounted on unit's rear, left, or right, or up to 5 ft. (1.5 m) away

Special Options

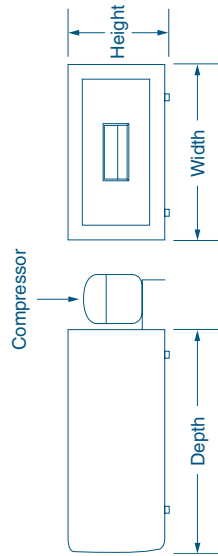
- Black (CD-030DC-D65A) or white (CD-030DCW-D65A) drawer face
- Space-saver flange in black (EST-0500) or white (EST-0500W)

Specifications for CD-030 Drawer Refrigerator

Model ⁽¹⁾	CD-030
Storage Volume (L/df)	30/1.6
Amps @ 12V DC (A)	3
Amps @ 24V DC (A)	1.5
Min. Amps @ 100-240V AC	N/A
Max. Amps @ 100-240V AC	N/A
Average Power Consumption (W)	40
Temperature Range-Low (°C/°F)	-2/29
Temperature Range-High (°C/°F)	12/54
Insulation	High quality full foam insulation of polyurethane
Thermostat type	Mechanical
Height (mm/in)	240/9.45
Width (mm/in)	440/17.33
Depth (mm/in)	720/28.35
Net Weight (kg/lbs)	19.9/43.9
Gross Weight (kg/lbs)	24.52/1

¹ Use part no. CD-030C-065A for unit with black drawer face; use part no. CD-030CW-065A for unit with white drawer face.

Dimensions



Optional Space-Saver Flange Part Numbers

- Black: EST-0500
- White: EST-0500W

Dealer

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L-2690 Rev. 2014/07/25

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NEW

CD-020 Drawer Refrigerator

Smart Cooling for Confined Spaces



The CD-020 drawer refrigerator turns any unused nook into a practical 20-liter (0.71 cu. ft.) capacity refrigerator. The CD-020 permanently installs in any cupboard space. A convenient variable thermostat protects your contents from freezing, and the Secop compressor is extremely energy efficient.

For installation flexibility, the compressor can be mounted on the unit's rear, left or right side, or up to 5 ft. (1.5 m) away. The CD-020 drawer refrigerator provides a very energy efficient, flexible solution for boats with limited space or niche cooling requirements.



Continuously variable thermostat prevents contents from freezing.



Slightly less depth than the CD-030 model but easily accommodates two 2-liter bottles and more.



CD drawer refrigerators convert empty niches into smart cooling spaces on your boat.

Key Benefits

- 12/24V DC operation
- 20-liter (0.71 cu. ft.) capacity
- Easy-pull drawer on ball-bearing slides
- Continuously variable thermostat
- Sturdy metal housing
- Extremely energy efficient
- Injection molded parts
- Environmentally safe R-134A refrigerant
- CFC-free polyurethane insulation
- Available with black or white drawer face
- Hermetically sealed Secop compressor can be mounted on unit's rear, left, or right, or up to 5 ft. (1.5 m) away

Special Options

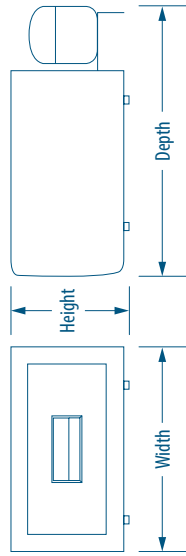
- Black (CD-020DCB-D65A) or white (CD-020DCW-D65A) drawer face

Specifications for CD-020 Drawer Refrigerator

Model ¹⁾	CD-020
Storage Volume (L/df)	20/0.71
Amps @ 12V DC (A)	3
Amps @ 24V DC (A)	1.5
Average Power Consumption (W)	40
Temperature Range-Low (°C/°F)	-2/29
Temperature Range-High (°C/°F)	12/54
Insulation	High quality full foam insulation of polyurethane
Thermostat Type	Mechanical
Height (in/mm)	9.48/250
Width (in/mm)	17.2/438
Depth (in/mm)	21.85/555
Net Weight (lbs/kg)	40/18.1

¹⁾ Use part no. CD-0200CB-065A for unit with black drawer face; use part no. CD-0200CW-065A for unit with white drawer face.

Dimensions



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L-3377 Rev. 20140822

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Dealer

CB Series Top-Loading Refrigerators

Space-Saving Built-In Units with Easy-Open Lid



The CB Series of top-loading refrigerators is available in 1.3 cu. ft. (36 liters) and 1.4 cu. ft. (39 liters) capacities. These units have energy-efficient Secop compressors that run on 12/24V DC power or 110/220V AC power (optional).

A CB unit permanently installs in a cupboard space and continues working even in inclined positions. Its lift-off lid has superior seal and insulation and can accommodate a laminate to match your countertops.



CB built-in refrigerators feature a convenient space-saving design and an easy-open lid.



The CB-040 has a 1.4 cu. ft. (39 liter) refrigeration capacity.



The CB-036 has a 1.3 cu. ft. (36 liter) refrigeration capacity.

Key Benefits

- 12/24V DC or 110/220V AC operation
- Ideal for cupboard spaces
- Can be used as a bait refrigerator
- Stainless-steel interior
- Lift-off lid with superior seal and insulation
- Top loading for improved efficiency and better performance
- CFC-free polyurethane insulation
- Variable thermostat
- Temperature range of 32°F (0°C) to 55°F (13°C)
- Environmentally safe R-134A refrigerant

Specifications for CB Top-Load Refrigerators

Model	CB-036	CB-040
Gross Capacity (cu. ft./l)	1.3/36	1.4/39
Voltage	12/24V DC (Optional 110/220V AC)	
Avg. Power Consumption (watts/amps)	45/3.75	
Insulation	1.6 in. (40 mm) solid polyurethane foam	
Refrigerant	R-134A	
Material	Zinc-coated sheet steel with stainless-steel interior, shock resistant plastic base	
Color	Gray box with dark gray lid	
Height-Cut Out (in/mm)	16.0/406	26.0/660
Width-Cut Out (in/mm)	16.0/406	13.3/337
Depth-Cut Out (in/mm) ⁽¹⁾	23.0/584	19.7/500
Net Weight (lbs/kg)	41/18.59	44/19.95

¹ Depth of CB-036 is 16 in. (406 mm) when compressor is mounted remotely.

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L-2691 Rev. 20131018

Specifications and availability subject to change without notice.



Dealer

CF Portable Coolers

Refrigerate or Deep Freeze On the Go



Left to right: CF-018DC, CF-025DC, CF-035AC, CF-040AC, CF-050AC, CF-080AC, and CF-110AC

CF Series refrigerators/freezers offer powerful cooling and deep-freezing from 50° to 0°F and state-of-the-art electronics for additional convenience. There's an ideal appliance for every requirement – from the slim 19-quart model to the extra-large capacity 113-quart model. The CF Series features a quick-chill/turbo function which runs the compressor at maximum performance until the desired temperature is reached. All models work perfectly even in inclined positions.

Special electronics include a digital temperature display in Fahrenheit or Celsius. Seven models (CF-18 to CF-110) are equipped with a unique soft-touch operating panel.

Insulating and Protective Covers with Velcro® closures and zip panels are available for all CF Series Refrigerators/Freezers. Constructed of high-quality Oxford nylon, the covers feature aluminum-coated polyester insulation and a non-skid bottom. The operating panel and connection sockets remain accessible through openings in the cover. Convenient side pockets store small items.

The optional insulated protective cover (shown at right) is available for all CF models and has side document pockets.



CF coolers feature a soft-touch control panel with digital temperature display.



CF coolers have convenient carry handles for easy portability.



The optional insulated, protective cover is available for all CF models.

Key Benefits

- AC/DC or DC-only models
- Seven sizes to choose from
- Can operate as a refrigerator or freezer
- Quick-chill functions runs compressor at high capacity until desired temperature is reached
- Lightweight and easily portable
- Battery monitor with low-voltage shut-off protects against a dead battery
- Memory feature maintains presets if the system is turned off

Special Options

- Insulated protective cover with zipper closures and map pockets available for all models

Product Testimonial

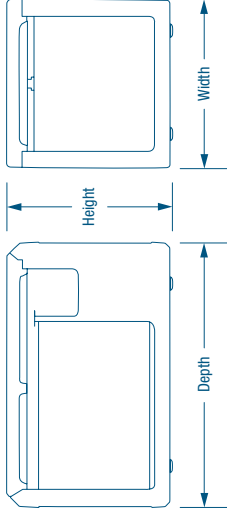
"Our savings have been substantial. No more wasted bait since we only thaw out what we need. Thanks!"

— Capt. Roger Wright, Charter Boat Rendezvous, Porta Canaveral, FL

Specifications for CF Portable Coolers

Model	CF-018DC	CF-025DC	CF-035AC	CF-040AC	CF-050AC	CF-080AC	CF-110AC
Storage Volume (l/cf)	18/0.64	23/0.82	31/1.1	37/1.31	47/1.66	79/2.79	105/3.71
Amps @ 12V DC (A)	3.1	6.8	6	6	7	7.5	7.5
Amps @ 24V DC (A)	1.9	3	3	3	3	3.5	3.5
Min. Amps @ 100-240V AC	N/A	N/A	0.7A	0.7A	0.7A	0.7A	0.7A
Max. Amps @ 100-240V AC	N/A	N/A	1.3A	1.3A	1.3A	1.3A	1.3A
Average Power Consumption (W)	46	72	76	76	76	87	87
Temperature Range- Low (°C/°F)	-18/0	-18/0	-18/0	-18/0	-18/0	-18/0	-18/0
Temperature Range- High (°C/°F)	10/50	10/50	10/50	10/50	10/50	10/50	10/50
Insulation	High quality full foam insulation of polyurethane	High quality full foam insulation of polyurethane	High quality full foam insulation of polyurethane	High quality full foam insulation of polyurethane	High quality full foam insulation of polyurethane	High quality full foam insulation of polyurethane	High quality full foam insulation of polyurethane
Thermostat type	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Height (mm/in)	414/16.3	425/16.74	385/15.16	445/17.52	480/18.9	455/17.92	555/21.86
Width (mm/in)	300/11.82	260/10.24	360/14.18	360/14.18	360/14.18	500/19.69	500/19.69
Depth (mm/in)	465/18.31	550/21.66	580/22.84	580/22.84	630/24.81	790/31.11	790/31.11
Net Weight (kg/lbs)	12/26.5	12.7/27.1	15.5/34.2	17.2/37.1	18/39.7	29.4/64.9	31.5/69.5
Gross Weight (kg/lbs)	13.9/30.7	16.1/35.5	19.5/42.1	21.5/47.4	22.7/50.1	33.8/74.6	37.1/81.8

Dimensions



Dealer



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L-2607 Rev. 20140718

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Adler/Barbour ColdMachine Kits

Customized Do-It-Yourself Refrigeration



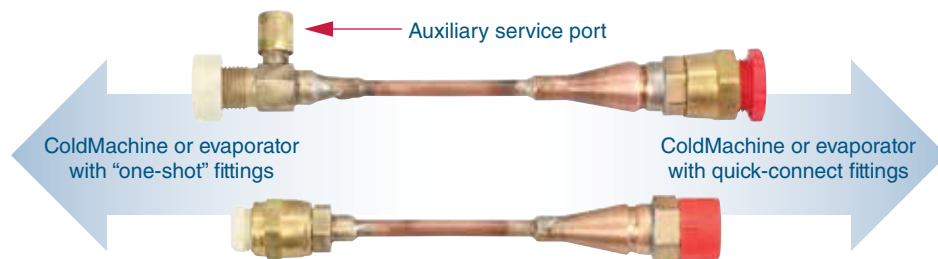
Adler/Barbour VD-150 closed evaporator (above left) shown with CU-100 ColdMachine (above right)

Performance, efficiency, and quality are hallmarks of Adler/Barbour ColdMachine Kits by Dometic. Two configurations are offered: The air-cooled CU-100 ColdMachine, and the air- and water-cooled CU-200 SuperColdMachine. Powered by a Secop BD50F compressor, these easy-to-install units provide up to 15 cu. ft. (424 liters) of refrigeration and work with a variety of 100-Series evaporators (see reverse side).

ColdMachines are specifically designed to survive the rigors of the harsh marine environment, and to provide exceptional performance in hot and humid conditions, erratic or low voltage, and continuous use.

ColdMachine kits now come with self-sealing quick-connect fittings for easy attachment. Unlike the old "one-shot" connections, quick-connect fittings can be disconnected and reconnected whenever necessary without loss of refrigerant or exposing the system to air or moisture.

Dometic also offers quick-connect adapters (P/N 755570000), shown below, which join "one-shot" units to their quick-connect counterparts (professional installation required).



Key Benefits

- Now with self-sealing quick-connect fittings
- Oversized air condensers
- Up to 15 cu. ft. (424 liters) of refrigeration capacity
- Air-cooled (CU-100) and air- and water-cooled (CU-200) models
- Compressor provides 25% more cooling performance
- Stainless-steel construction
- Shrouded forced-air condensers
- Modular phone-jack connection thermostat
- Quick-connect adapters with auxiliary service port keep older "one-shot" units in operation
- Optimal performance in warmer waters
- High-CFM fan
- Built-in troubleshooting diagnostics
- Environmentally safe R-134A refrigerant
- Can be installed up to 15 ft. (4.57 m) from evaporator
- Pre-charged and ready to install

Special Options

- Optional water cool installation kit (P/N C8350) for CU-200 models includes water pump, 5 ft. of 5/8 in. hose, 10 ft. of 3/8 in. hose, hose clamps, strainer, through-hull discharge fitting, wiring diagram, and hardware

Specifications for Adler/Barbour ColdMachine Kits

Model	Adler/Barbour ColdMachine Condensing Units	
Cold Storage Volume	15.0 cu. ft. (424 liters)	
Voltage DC	12/24	
Application	General Boating	Tropical-Water Boating
Refrigerant Type	R134A	
Net Weight (lbs/kg)	16/7.3	17/7.8
Gross Weight (lbs/kg)	19/8.7	20/9.1

Specifications for VD Series Evaporating Units

Model	VD-150	VD-151	VD-152	VD-153	VD-160
Capacity	9.0 cu. ft. (254 liters)	9.0 cu. ft. (254 liters)	15.0 cu. ft. (424 liters)	15.0 cu. ft. (424 liters)	4 cu. ft. (113 liters)
Application	Medium-sized refrigerator or small freezer	Medium-sized refrigerator or small freezer	Large-sized refrigerator or medium freezer	Large-sized refrigerator or medium freezer	Medium to small freezer
Configuration	Closed evaporator	Closed evaporator with door	Closed evaporator	Closed evaporator with door	Power plate with holdover capabilities
Height (in/mm)	11.0/279	7.0/177	12.0/304	7.5/190	11.25/285
Width (in/mm)	10.5/266	10.75/273	15.0/381	15.5/393	19.0/482
Depth (in/mm)	6.0/152	11.25/285	6.0/152	12.0/304	1.25/31
Net Weight (lbs/kg)	12/5.4	10/4.5	13/5.9	14/6.4	23/10.4

Evaporating Units & Accessories for Adler/Barbour



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L-2693 Rev. 2014/05/30

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CoolMatic Cooling Kits

Customized Do-It-Yourself Refrigeration



(Left to right) CoolMatic CU-84, CU-85, and CU-86 models shown

Performance, efficiency, and quality are hallmarks of CoolMatic custom cooling units by Dometic. Compact, easy-to-install CoolMatic units are designed for small to medium refrigerator capacities from 1.1 to 8.83 cu. ft. (30 to 250 liters). CU-80 units are also capable of small freezing capacities up to 2.47 cu. ft. (70 liters).

CoolMatic models feature a power-regulated compressor, corrosion-resistant stainless-steel mounting plate, and perform well in inclined positions. These versatile cooling units serve different evaporating units that are matched to the performance of the compressor. Refer to the back of this sheet for available evaporating units.

The CoolMatic Series is specifically designed to survive the rigors of the harsh marine environment, and to provide exceptional performance in hot and humid conditions, erratic or low voltage, and continuous use.



CoolMatic CU-54 condensing unit



CoolMatic CU-55 condensing unit



CoolMatic CU-87 condensing unit

Key Benefits

- Designed for small to medium refrigerator or small freezer capacities
- Ideal for warmer waters
- Corrosion-resistant stainless-steel mounting plate
- Applications up to 8.8 cu. ft. (249 liters) or refrigeration and up to 2.5 cu. ft. (65 liters) of deep freezing
- Equipped with a power-regulated Secop compressor
- Environmentally safe R-134A refrigerant
- Different evaporating units to match the performance of the compressor

Technical Specifications for CoolMatic 50 Series Condensing Units (With Compatible Evaporating Units)

MODEL	COOLMATIC CU-54	COOLMATIC CU-55	VD-01 EVAPORATING UNIT	VD-02 EVAPORATING UNIT	VD-07 EVAPORATING UNIT	VD-17 EVAPORATING UNIT
Capacity	Refrigeration: 4.60 cu. ft. (130 liters) 12/24V DC	Refrigeration: 4.60 cu. ft. (130 liters) 12/24V DC	2.8 cu. ft. (80 liters)	1.1 cu. ft. (30 liters)	3.5 cu. ft. (100 liters)	2.8 cu. ft. (80 liters)
Voltage	12/24V DC	12/24V DC	N/A	N/A	N/A	N/A
Configuration	Suitable for Floor Mounting	Suitable for Floor Mounting	"U" shape, horizontal or vertical installation	Plate, horizontal or vertical installation	"U" shape, horizontal or vertical installation	Plate
Dimensions (WxHxD)	15.2 x 6.5 x 5.1 in. (386 x 165 x 130 mm)	8.7 x 6.3 x 8.7 in. (220 x 160 x 220 mm)	11.8 x 10.6 x 4.3 in. (300 x 270 x 110 mm)	10.8 x 9.4 x 1.0 in. (275 x 240 x 25 mm)	10.0 x 8.3 x 3.5 in. (255 x 210 x 90 mm)	9.8 x 13.7 x 1.0 in. (248 x 347 x 25.4 mm)
Net Weight	13.2 lbs. (6.0 kg.)	13.2 lbs. (6.0 kg.)	3.3 lbs. (1.5 kg.)	3.3 lbs. (1.5 kg.)	3.3 lbs. (1.5 kg.)	3.1 lbs. (1.40 kg.)
Installation						

Technical Specifications for CoolMatic 80 Series Condensing Units (With Compatible Evaporating Units)

MODEL	COOLMATIC CU-84	COOLMATIC CU-85	COOLMATIC CU-86	COOLMATIC CU-87	VD-04 EVAPORATING UNIT
Capacity	Refrigeration: 8.83 cu. ft. (250 liters) Deep freezing: 2.47 cu. ft. (70 liters)	Refrigeration: 8.83 cu. ft. (250 liters) Deep freezing: 2.47 cu. ft. (70 liters)	Refrigeration: 8.83 cu. ft. (250 liters) Deep freezing: 2.47 cu. ft. (70 liters)	Refrigeration: 8.83 cu. ft. (250 liters) Deep freezing: 2.47 cu. ft. (70 liters)	4.6 cu. ft. (130 liters)
Voltage	12/24V DC	12/24V DC	12/24V DC	12/24V DC	N/A
Configuration	Horizontal Platform	Square Layout	Vertical or Wall Mount	Suitable for Floor Mounting	"U" shape
Dimensions (WxHxD)	15.2 x 6.1 x 5.1 in. (386 x 155 x 129 mm)	8.7 x 6.1 x 8.7 in. (220 x 155 x 220 mm)	8.7 x 9.0 x 7.6 in. (220 x 228 x 193 mm)	17.3 x 8.9 x 7.9 in. (440 x 225 x 200 mm)	14.8 x 10.0 x 3.9 in. (357 x 254 x 99 mm)
Net Weight	13.2 lbs. (5.98 kg.)	13.2 lbs. (5.98 kg.)	14.3 lbs. (6.40 kg.)	16.5 lbs. (7.5 kg.)	3.3 lbs. (1.5 kg.)
Installation					
MODEL	VD-05 EVAPORATING UNIT	VD-08 EVAPORATING UNIT	VD-09 EVAPORATING UNIT	VD-15 EVAPORATING UNIT	VD-18 EVAPORATING UNIT
Capacity	4.6 cu. ft. (130 liters)	5.7 cu. ft. (160 liters)	5.7 cu. ft. (160 liters)	7.0 cu. ft. (198 liters)	4.5 cu. ft. (127 liters)
Voltage	N/A	N/A	N/A	N/A	N/A
Configuration	Plate	90° Angle	"U" shape	Circulating Air	Plate
Dimensions (WxHxD)	14.8 x 13.7 x 1.0 in. (375 x 348 x 25.4 mm)	13.4 x 17.7 x 10.6 in. (340 x 449 x 269 mm)	14.4 x 5.5 x 10.6 in. (365 x 139 x 269 mm)	8.6 x 10.8 x 2.6 in. (218 x 274 x 66 mm)	9.8 x 13.7 x 1.0 in. (248 x 347 x 25.4 mm)
Net Weight	3.3 lbs. (1.5 kg.)	4.4 lbs. (2.0 kg.)	4.4 lbs. (2.0 kg.)	4.4 lbs. (1.99 kg.)	3.1 lbs. (1.40 kg.)
Installation					

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L-2692 Rev. 20140815

Specifications and availability subject to change without notice.



Dealer

CoolMatic CS-NC-15 Cooling Kit

Super Compact & Easy to Install



CoolMatic CS-NC-15 cooling kit shown

The CS-NC-15 compact cooling kit consists of the high-performance air-circulating VD-15 fin evaporator and the power-regulated CoolMatic cooling unit. These two units in one kit offer a perfect match of rapid-chill capability and high cooling performance.

The tried and tested Danfoss BD35F compressor ensures economical and super quiet operation. This cooling unit is specifically designed for chest coolers with capacities from 2.12 cu. ft. (60 liters) for deep freezing to 8.8 cu. ft. (249 liters) for normal refrigeration.

Installation is quick and easy. All that's required is a hole cut to match the size of the cooling kit. The CS-NC-15 is then simply screwed from inside to the mounting plate.

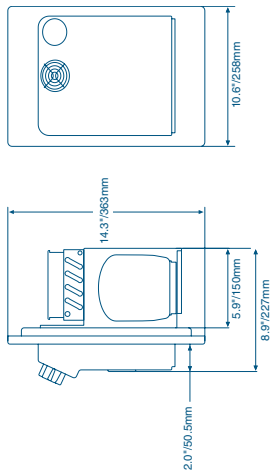
Key Benefits

- Ideal for converting an existing, passive, insulated cooling area into a full, compressor-powered refrigerator
- Up to 8.8 cu. ft. (240 liters) of refrigeration
- Rapid-chill capability with forced air circulation operation
- Energy-efficient Secop compressor
- Vertical layout or wall mount
- Integrated low-voltage protection
- Continuously variable thermostat
- Integrated rubber seal ensures that the coolbox is securely sealed
- Coolant lines are fully assembled and connected at the factory
- Environmentally safe R-134A refrigerant

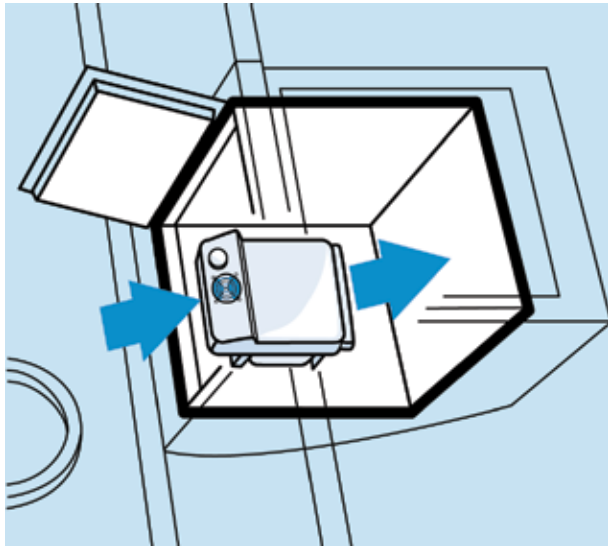
Specifications for CS-NC-15 Cooling Kit

Model	CS-NC-15
Refrigeration Capacity	8.8 cu. ft. (249 liters)
Freezer Capacity	2.12 cu. ft. (60 liters)
Voltage	12/24V DC
Height (in/mm)	14.3/363
Width (in/mm)	10.6/258
Depth (in/mm)	8.9/227
Net Weight (lbs/kg)	14/6.35

Dimensions



Installation



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L-2694 Rev. 2014/05/30

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Dealer

KRA425/450 Slant-Top Cabinet Condensing Units

Serve Up to 3 Refrigerator/Freezer Boxes With Separate Controls



KRA cabinet condensing units are designed for use in direct expansion refrigeration and freezer systems, such as cockpit freezers/refrigerators or catch-box chillers and can also be used with built-in galley freezer/refrigerators.

KRA units work in conjunction with up to two (425 models) or three (450 models) evaporator plates installed in an insulated box or a box wrapped with evaporator tubing – each set to different temperatures. Each box can be held in a deep freeze depending on installation, insulation, and box volume. Box temperatures between 10° F and 40° F (-12° C and 5° C) can be achieved with the proper application.

KRA 425 units have a 1/4-HP compressor and the KRA 450 units have a 1/2-HP compressor. All models are available in 115V 60Hz, 220V 50Hz, or 230V 60Hz. KRA 450 models have a durable air/water-cooled cupronickel condenser. This dual configuration ensures that the unit performs efficiently in hot engine rooms, while also allowing full air-cooled operation when no cooling water is available.

KRA condensing units are housed in an attractive white aluminum enclosure which can be mounted on a vertical bulkhead or a horizontal shelf. An integral drain pan allows any condensate to be routed to the bilge or sump.



Slanted top provides better ventilation when mounted near the ceiling.



Recessed opening in ports panel allows refrigeration connections to sweat into the drain pan (cover panel removed).

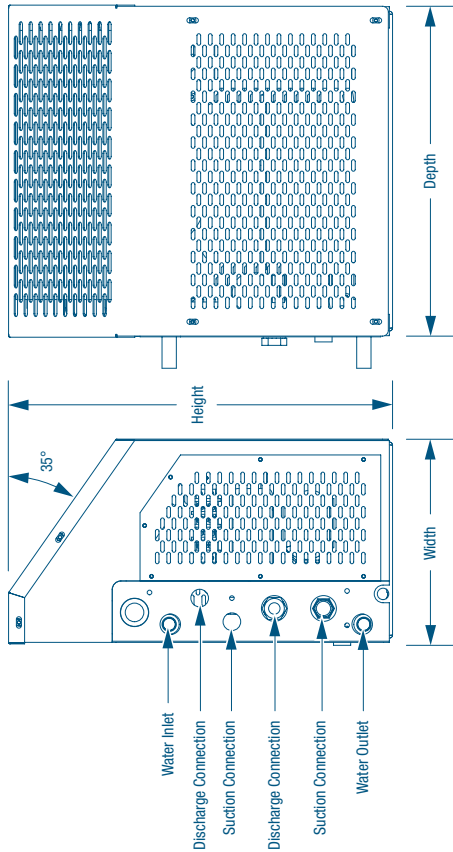
Key Benefits

- Dual-box KRA425 models provide up to two refrigerator or freezer boxes with separate thermostat controls
- Triple-box KRA450 models provide up to three refrigerator or freezer boxes with separate thermostat controls
- Air/water-cooled condenser (KRA 450 models only)
- Can be mounted on a vertical bulkhead or horizontal shelf
- 1/4-HP (425 models) or 1/2-HP (450 models) compressor
- 115V/60Hz and 230V/60Hz models
- Self-sealing quick-connect fittings
- Digital thermostat
- Optional copper pre-charged refrigerant lines, available in lengths up to 25 ft. (7.62 m)
- 404-A refrigerant responds quicker to loads, allows two cooling boxes to be served by one unit
- 12V DC thermostat control system powered by unit
- Highly durable pre-painted covers

Specifications for KRA425/450 Slant-Top Cabinet Condensing Units

Dimensions

Model	KRA425	KRA425C	KRA450	KRA450C
Voltage (V)	115	230	115	230
Cycle (Hz)/Phase (Ph)	60/1	60/1	60/1	60/1
Horsepower (hp/kW)	¼/0.2	¼/0.2	½/0.4	½/0.4
Full Load Amps (FLA) Cool (A)	6.3	3.2	6.7	3
Locked Rotor Amps (LRA) (A)	40	20.5	68	34
Min. Circuit Ampacity (A)	15	5	20	10
Min. Circuit Ampacity (A)	10	5	16	8
Refrigerant type	404A	404A	404A	404A
Seawater Inlet Connection (in/mm)	¾/16	¾/16	¾/16	¾/16
Height (in/mm)	16.77/426	16.77/426	17.75/451	17.75/451
Width (in/mm)	14.5/369	14.5/369	10.25/261	10.25/261
Depth (in/mm)	9/229	9/229	16/407	16/407
Height-Electrical Box (in/mm)	4.7/120	4.7/120	12.88/328	12.88/328
Width-Electrical Box (in/mm)	10.5/267	10.5/267	10.5/267	10.5/267
Depth-Electrical Box (in/mm)	12.75/324	12.75/324	4.63/118	4.63/118
Gross Weight (lbs/kg)	85/38.6	80/36.3	91/41.3	91/41.3



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L-3364 Rev. 2014/08/01

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Dealer



KRA025, 038, & 050 Cabinet Condensing Units

For Use In Custom Refrigeration or Freezing



The KRA025 water-cooled condenser with cabinet enclosure for custom refrigeration or freezing

KRA cabinet condensing units are designed for use in direct expansion refrigeration or freezer systems such as cockpit refrigerators/freezers or catch-box chillers (not holdover plate systems), and can also be used with built-in galley refrigerators/freezers.

KRA units work in conjunction with evaporator plates installed in an insulated box or a box wrapped with evaporator tubing. Box temperatures between -5°F and 40°F (-20°C and 5°C) can be achieved with the proper application.

KRA condensing units are housed in an attractive white aluminum enclosure, which can be mounted on a vertical bulkhead or shelf.

Units are available with 1/4, 3/8, or 1/2 HP compressors and run on 115V/50 or 60Hz or 220V/50Hz power. All KRA units have a durable cupronickel water-cooled condenser. They are available in two configurations: Air- and water-cooled or water-cooled only. This dual configuration will ensure that the unit performs efficiently in hot engine rooms while also allowing full air-cooled operation when no water is available for cooling.

New Low-Profile Models

The water-cooled-only models are available in a compact low-profile design. At only 11 in. (280 mm) tall, these units are 4.75 in. (121 mm) shorter and 10 lbs. (4.5 kg) lighter. In addition, the re-configuration of the terminal strip and additional access covers enable easier installation and maintenance.

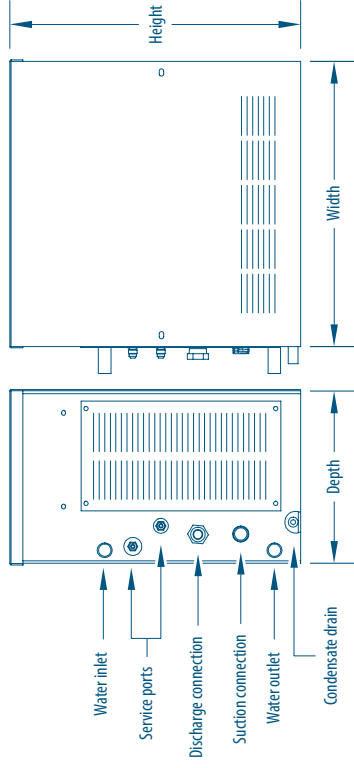
Key Benefits

- Refrigeration of freezer condensing units in attractive white enclosure
- Air- and water-cooled or water-cooled-only models available
- Low-profile models available
- Can be installed on a vertical bulkhead or shelf
- 1/4, 3/8, or 1/2 HP compressors
- 115V/50 or 60Hz and 220V/50Hz models
- Self-sealing quick-connect fittings
- Charged with leak-detector dye
- Digital thermostats available
- Optional pre-charged refrigerant lines in copper or flexible hose available in lengths up to 25 ft. (7.62 m)
- Optional dual-box system can serve two boxes set to different temperatures

Specifications for KRA025, 038 & 050 Cabinet Condensing Units

Model	KRA025 Air/ Water-Cooled	KRA025 CK Air/ Water-Cooled	KRA025 CK Water-Cooled	KRA038 Air/ Water-Cooled	KRA038 Water-Cooled	KRA038 CK Air/ Water-Cooled	KRA038 CK Water-Cooled	KRA050 Air/ Water-Cooled
Compressor HP	1/4	1/4	1/4	3/8	3/8	3/8	3/8	1/2
Volts/Hz @ 1-Phase	115V/50 or 60Hz	220V/50Hz	220V/50Hz	115V/50 or 60Hz	115V/50 or 60Hz	220V/50Hz	220V/50Hz	115V/50 or 60Hz
LRA	28.5	14.8	14.8	40.0	40.0	17.5	17.5	68.0
FLA Cool	3.5	3.1	2.9	6.5	6.1	3.2	3.0	8.5
Max. Circuit Breaker (Amps)	10	5	5	15	15	10	10	25
Min. Circuit Ampacity (Amps)	8	4	4	11	10	5	5	15
Height (in/mm)	14.75/375	11.00/279	14.75/375	14.75/375	11.00/279	14.75/375	11.00/279	17.50/445
Width (in/mm)	14.25/365	14.25/365	14.25/365	14.25/365	14.25/365	14.25/365	14.25/365	16.10/409
Depth (in/mm)	8.75/222	8.75/222	8.75/222	8.75/222	8.75/222	8.75/222	8.75/222	10.30/262
Weight (lbs./kg)	50/22.7	40/18.1	50/22.7	51/23.1	41/18.6	51/23.1	41/18.6	65/29.5

Dimensions



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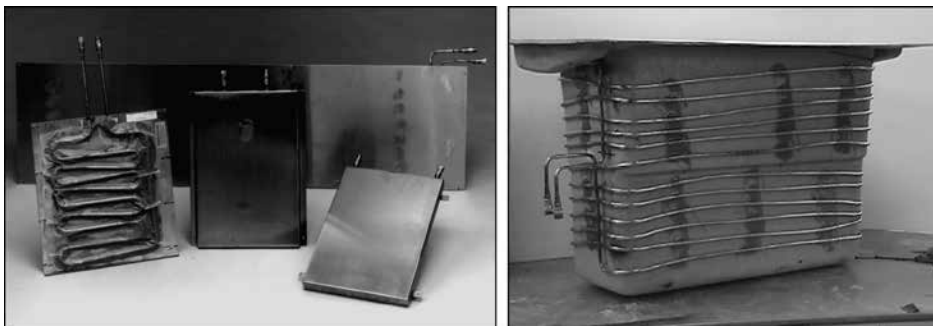
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Dealer



Custom Evaporators

Custom Flat Plates & Wrapping for Ice Boxes



Custom stainless-steel flat plates (at left) and custom wrapped ice box (at right)

Custom Flat Plate Evaporators

Custom stainless steel plates are available for installation into an insulated box. The plates have stainless tubing with special heat transfer compound to improve efficiency. Rectangular plates of any dimension from 10 - 36 in. (254 - 914 mm) are available. Plate size is chosen to maximize the surface area in the box, with a minimum of 40% of the inside wall area covered. Plates are pre-charged with R-134A, and have quick connect fittings. Plates without charge are also available.

Custom Wrapped Box Evaporators

Cruisair custom wrapped boxes are ideal for use where a clean box interior is necessary, although almost any refrigeration application can be built. Using the wrapped box as bait freezers or catch boxes helps keep the items from freezing to the evaporator surface, and aids in cleaning of the box. The fiberglass box is wrapped with copper tubing and pre-charged with R-134A at the factory. A special heat transfer compound is used to help heat transfer from the box to the tubing. All boxes are supplied with quick connect fittings to speed installation. In fact, Cruisair can offer a turn-key product: the fiberglass box per your design, wrapped with tubing and insulated.

Pre-charged 3/8 in. (10 mm) copper tubing for wrapping boxes is also available in lengths of 50 - 150 ft. (15.2 - 45.7 m).

Contact the applications department for help in designing your refrigeration system.

Key Benefits

- Flat plates constructed of 18-ga. 304-grade stainless-steel for corrosion resistance
- Flat plates available in custom sizes
- Flat plates are ideal for both refrigeration and freezing
- Plate thickness of only 0.63 in. (16 mm) allows for use of virtually all of the box interior
- Plates have stainless-steel refrigerant tubing to resist corrosion
- Evaporator tube wrapping for boxes ideal for refrigeration or freezing
- Evaporator tube wrapping for boxes leaves box interior free of refrigerator equipment
- Fewer holes in the wrapped box means less chance of content leakage
- Wrapped ice boxes have factory sealed refrigerant connections of evaporator tubing
- Dometic can help design the box that will meet your requirements

Specifying Custom Flat Plate Evaporators

To Determine what size plates you will need to order, first decide where you can place the plates in the box to maximize plate surface area. Plate surface area should be at least 40% of the box's total surface area, which means adding all six sides of the inside of the box into the equation. Less plate surface can be used when box is operating only as a refrigerator (35°F+/1°C+).

For example, a box that is 20 in. long, 20 in. deep, and 10 in. wide (508 X 508 X 254 mm) has a total of 1600 sq. in. (10,323 sq. cm). Forty percent of 1600 sq. in. is 640 sq. in. (4,129 sq. cm), so we will need plates to cover at least 640 sq. in. If we pick the two ends, that only gives about 400 sq. in. (2,581 sq. cm), but if we cover the two sides that are 20 x 20 in. (508 x 508 mm), we have about 800 sq. in. (5,161 sq. cm) to cover. This would give enough plate surface area to efficiently cool the box.

When ordering, be sure to specify length and width of plate, where the refrigerant lines need to come out of the plate, and length of the lines.

Contact the applications department for help in designing your refrigeration system.

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L-0974 Rev. 20140110

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Dealer

Passagemaker Series Condensing Units

AC-Powered Refrigeration Systems



Passagemaker AC450 model shown

The Passagemaker series of AC-powered condensing units for refrigeration applications has hermetically sealed compressors for quiet and efficient operation. Passagemaker units effectively cool one or more cooling boxes of virtually any configuration.

These condensing units have a small footprint for installation in tight spaces. The electrical box can be mounted remotely. The chassis has vibration isolation mounts to limit vibration transmission to the mounting surface. The compressor is also attached to the chassis with vibration isolation mounts.

The filter/drier is replaceable without any loss of refrigerant charge, and the sight glass/moisture indicator assembly monitors the system's refrigerant charge.

Key Benefits

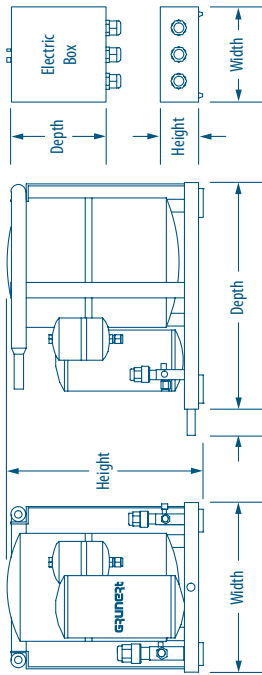
- Filter/drier is replaceable without refrigerant charge loss
- Effectively cools one or more cooling boxes of virtually any configuration
- Sight glass/moisture indicator assembly to monitor system refrigerant charge
- Electrical box can be mounted remotely
- 5 ft. (1.5 m) wiring harness allows for a dry, accessible mounting location
- Low 12V control provides an extra margin of safety
- Hermetically sealed compressor for quiet and efficient operation
- Vibration-isolation mounts reduce noise and vibration
- Charge Guard protection provides sealed access ports, ensuring environmental protection and chiller module integrity

Specifications for Passagemaker Series Condensing Units

Model ⁽¹⁾	AC425	AC450	AC475	AC4100Z	AC4150Z
Capacity (BTU/hr) @ 26°F/-3°C Plate (BTU/h) ⁽²⁾	1250	3400	5000	6500	9000
Capacity (BTU/hr) @ -18°F/-28°C Plate (BTU/h) ⁽²⁾	1850	1800	3200	3900	4800
Voltage (V)	115	115	115	230	230
Cycle (Hz)/Phase (Ph)	60/1	60/1	60/1	60/1	60/1
Full Load Amps (FLA)	5.9	6.7	10.1	6.8	8.2
Locked Rotor Amps (LRA) (A)	40	68	67	55	86
Max. Circuit Breaker (A)	15	20	35	25	30
Min. Circuit Ampacity (A)	10	16	25	18	25
Refrigerant Type	404A	404A	404A	404A	404A
Refrigerant Charge Amount (oz/g)	26/737	50/1418	50/1418	50/1418	76/2155
Height (in/mm) ⁽³⁾⁽⁴⁾	10.5/267	13.6/346	14.8/376	15.3/389	15.3/389
Width (in/mm) ⁽⁴⁾⁽⁵⁾	13.1/333	13.1/333	13.1/333	17/432	17/432
Depth (in/mm) ⁽⁴⁾⁽⁶⁾	14.1/359	14.1/359	14.1/359	20/508	20/508
Seawater Connection Type	cupranickle tube	cupranickle tube	cupranickle tube	cupranickle tube	cupranickle tube
Seawater Inlet Connection	%	%	%	%	%

¹ Add 'Z' to the model number to indicate 230V AC for models AC425 through AC475. Also add 'HA' to model numbers for air-cooled option (not available on AC4200Z).
² BTU ratings are the average rate of heat extraction from holdover plates and do not indicate compressor or condensing unit capacity. These figures are to be used to determine run times required to maintain box design temperatures.
³ Physical dimensions of 50Hz models may vary.
⁴ All dimensions ± 0.30 in. (8 mm).
⁵ Add .5 in. (13 mm) for air-cooled option on AC475-475HA.
⁶ Add 2 in. (51 mm) for condensate hose connector. Add additional 10.75 in. (273 mm) for air-cooled option.

Dimensions



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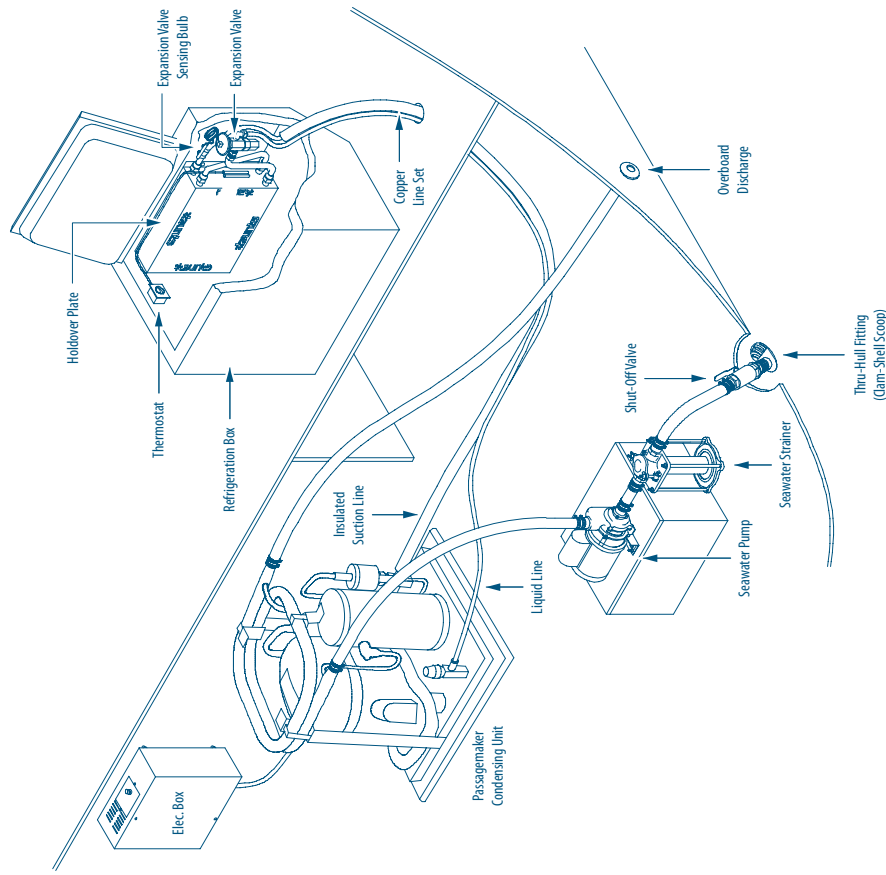
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L-2146 Rev. 20131227

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Installation



Dealer



Dry Evaporator Plates

Custom Solutions for Refrigeration & Freezing Applications



Custom sized dry evaporator plates shown above

Dometic stainless-steel dry evaporator plates are a cost-effective solution for custom refrigeration or freezing applications when holdover systems are not required.

The plates are constructed of 20-ga. 304-grade stainless steel and the minimum plate thickness of 9/16 in. (14 mm) allows for a clean, wall-to-wall installation inside any box.

Refrigerant connections are 3/8 in. (10 mm) OD copper tube. Optional flare quick-disconnect or swagelok fittings are available upon request.

Determining Correct Evaporator Plate Size & Capacity

Properly sized evaporator plates will rapidly lower and thermostatically maintain box temperature on demand, provided the box is properly insulated and minimum compressor duty cycles are met.

To determine the proper plate size and capacity, first find the BTU gain of your refrigerator or freezer box in one of the BTU Gain Per Hour charts below, then, using the tables at the bottom of the page, locate the plate(s) that meet the BTU capacity and that also fit the inside of the box.

For example, a 10°F/-12°C freezer box with inside dimensions of 24 in. height X 18 in. width X 12 in. depth has a volume of 3 cu. ft. If the box has 4 in. (102 mm) insulation*, a BTU gain of 48 (circled) is required. Using the tables at the bottom of this sheet, you can see that one 12 X 24 horizontal plate or two 12 X 12 horizontal plates meet the BTU of 48 and fit the box. (*2 lb. density poly-foam insulation with an R value of 5.5 and ambient temperature of 95°F/35°C.)

45°F REFRIGERATOR BTU GAIN PER HOUR					10°F FREEZER BTU GAIN PER HOUR					0°F FREEZER BTU GAIN PER HOUR					-10°F FREEZER BTU GAIN PER HOUR				
CUBIC FEET	INSULATION*				CUBIC FEET	INSULATION*				CUBIC FEET	INSULATION*				CUBIC FEET	INSULATION*			
	2"	3"	4"	6"		2"	3"	4"	6"		2"	3"	4"	6"		2"	3"	4"	6"
1	30	20	15	10	1	46	31	23	15	1	51	34	26	17	1	57	38	28	19
2	47	31	24	16	2	73	49	36	24	2	82	54	41	27	2	90	60	45	30
3	62	41	31	21	3	96	64	48	32	3	107	71	53	36	3	118	79	59	39
4	75	50	37	25	4	116	77	58	39	4	129	86	65	43	4	143	95	72	48
5	87	58	43	29	5	134	90	67	45	5	150	100	75	50	5	166	111	83	55
6	98	65	49	33	6	152	101	76	51	6	170	113	85	57	6	187	125	94	62
8	119	79	59	40	8	184	123	92	61	8	205	137	103	68	8	227	151	114	76
10	138	92	69	46	10	213	142	107	71	10	238	159	119	79	10	263	176	132	88
12	156	104	78	52	12	241	161	120	80	12	269	179	135	90	12	297	198	149	99
14	173	115	86	58	14	267	178	133	89	14	298	199	149	99	14	330	220	165	110
16	189	126	94	63	16	292	194	146	97	16	326	217	163	109	16	360	240	180	120
18	204	136	102	68	18	316	210	158	105	18	353	235	176	118	18	390	261	195	130
20	219	146	110	73	20	339	226	169	113	20	378	252	189	126	20	418	279	209	139

CAPACITIES IN BTU/Hr, DIMENSIONS IN INCHES

HORIZONTAL PLATE HEIGHT	HORIZONTAL PLATE WIDTH																			
	8	12	16	20	24	28	32	36	40	44	8	12	16	20	24	28	32	36	40	44
7.50	9	14	18	23	28	32	37	41	46	50	9	14	18	23	28	32	37	41	46	50
9.75	13	19	25	32	38	44	50	57	63	69	13	19	25	32	38	44	50	57	63	69
12.00	16	24	32	40	48	56	64	72	80	88	16	24	32	40	48	56	64	72	80	88
14.25	19	29	39	49	58	68	78	88	97	107	19	29	39	49	58	68	78	88	97	107
16.50	23	34	46	57	69	80	92	103	115	126	23	34	46	57	69	80	92	103	115	126
18.75	26	40	53	66	79	92	105	119	132	145	26	40	53	66	79	92	105	119	132	145
21.00	30	45	60	74	89	104	119	134	149	164	30	45	60	74	89	104	119	134	149	164
23.25	33	50	66	83	100	116	133	150	166	183	33	50	66	83	100	116	133	150	166	183
25.50	37	55	73	92	110	128	147	165	183	202	37	55	73	92	110	128	147	165	183	202
27.75	40	60	80	100	120	140	160	180	201	221	40	60	80	100	120	140	160	180	201	221
30.00	44	65	87	109	131	152	174	196	218	239	44	65	87	109	131	152	174	196	218	239
32.25	47	70	94	117	141	164	188	211	235	258	47	70	94	117	141	164	188	211	235	258
34.50	50	76	101	126	151	176	202	227	252	277	50	76	101	126	151	176	202	227	252	277
36.75	54	81	108	135	162	188	215	242	269	296	54	81	108	135	162	188	215	242	269	296
39.00	57	86	115	143	172	201	229	258	286	315	57	86	115	143	172	201	229	258	286	315
41.25	61	91	121	152	182	213	243	273	304	334	61	91	121	152	182	213	243	273	304	334
43.50	64	96	128	160	193	225	257	289	321	353	64	96	128	160	193	225	257	289	321	353
45.75	68	101	135	169	203	237	270	304	338	372	68	101	135	169	203	237	270	304	338	372

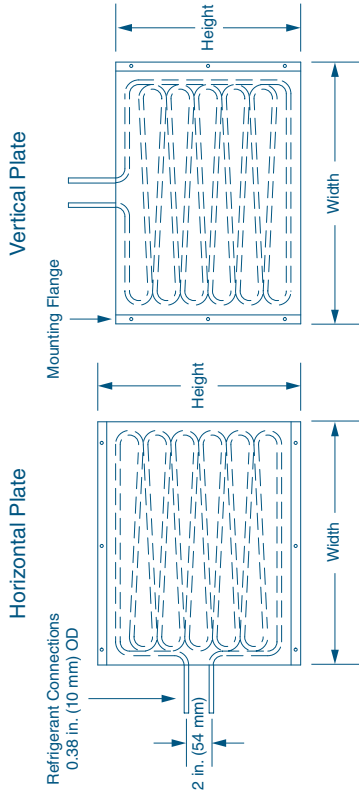
CAPACITIES IN BTU/Hr, DIMENSIONS IN INCHES

VERTICAL PLATE HEIGHT	VERTICAL PLATE WIDTH																			
	9.5	13.5	17.5	21.5	25.5	29.5	33.5	37.5	41.5	45.5	9.5	13.5	17.5	21.5	25.5	29.5	33.5	37.5	41.5	45.5
6.00	9	14	18	23	28	32	37	41	46	50	9	14	18	23	28	32	37	41	46	50
8.25	13	19	25	32	38	44	50	57	63	69	13	19	25	32	38	44	50	57	63	69
10.50	16	24	32	40	48	56	64	72	80	88	16	24	32	40	48	56	64	72	80	88
12.75	19	29	39	49	58	68	78	88	97	107	19	29	39	49	58	68	78	88	97	107
15.00	23	34	46	57	69	80	92	103	115	126	23	34	46	57	69	80	92	103	115	126
17.25	26	40	53	66	79	92	105	119	132	145	26	40	53	66	79	92	105	119	132	145
19.50	30	45	60	74	89	104	119	134	149	164	30	45	60	74	89	104	119	134	149	164
21.75	33	50	66	83	100	116	133	150	166	183	33	50	66	83	100	116	133	150	166	183
24.00	37	55	73	92	110	128	147	165	183	202	37	55	73	92	110	128	147	165	183	202
26.25	40	60	80	100	120	140	160	180	201	221	40	60	80	100	120	140	160	180	201	221
28.50	44	65	87	109	131	152	174	196	218	239	44	65	87	109	131	152	174	196	218	239
30.75	47	70	94	117	141	164	188	211	235	258	47	70	94	117	141	164	188	211	235	258
33.00	50	76	101	126	151	176	202	227	252	277	50	76	101	126	151	176	202	227	252	277
35.25	54	81	108	135	162	188	215	242	269	296	54	81	108	135	162	188	215	242	269	296
37.50	57	86	115	143	172	201	229	258	286	315	57	86	115	143	172	201	229	258	286	315
39.75	61	91	121	152	182	213	243	273	304	334	61	91	121	152	182	213	243	273	304	334
42.00	64	96	128	160	193	225	257	289	321	353	64	96	128	160	193	225	257	289	321	353
44.25	68	101	135	169	203	237	270	304	338	372	68	101	135	169	203	237	270	304	338	372

Key Benefits

- Effective solutions for cooling cockpit freezers, drink boxes and other custom refrigeration needs
- Cost effective solutions when holdover systems are not required
- Ideal for both refrigerator and freezer applications
- Minimal plate thickness of 9/16 in. (14 mm) allows for a clean, wall-to-wall installation inside any box
- Constructed of 20-ga. 304 stainless steel for strength
- High polish for an attractive appearance
- 3/8 in. (10 mm) O.D. copper tube refrigerant connections
- Optional flare quick disconnect or swagelok fittings

Dimensions



Proper Evaporator Plate Installation

Plates must be specified for horizontal or vertical operation and must be oriented correctly when mounting.

Vertical plates are mounted with the refrigerant connections facing up or down, and refrigerant must feed into the tube on the right. Horizontal plates must be mounted with the refrigerant connections going left or right, with refrigerant going into the bottom tube. Either may be used as a shelf across the interior surface. Each plate has mounting flanges with 1/4 in. diameter holes for securing the plates.

Plates must be mounted with stand-offs to expose the back surface area of the plate to provide proper performance. A minimum of 5/8 in. (16 mm) clearance between the box and the back of the plate is recommended.

Expansion valves must be located and fastened properly. Do not install expansion valves with the diaphragm on the bottom. Recommended location of the valve is in the box with the plate(s). The expansion valve sensing bulbs are to be properly located and secured on the outlet (suction line) of the last plate(s) in series. Recommended location is on a horizontal portion of tubing on the top (between ten and two o'clock). If either the expansion valve or its sensing bulb must be located outside of the box, each part must be properly insulated to protect against condensation, as well as to allow accurate temperature sensing of the bulb.

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Dealer



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Custom Holdover Plates

Maintain Stable Temperatures Throughout the Holdover Period



Dometic holdover plates are a true eutectic solution to custom refrigeration, with a special mixture of water, salts, and inhibitors for stable temperatures throughout the holdover period.

Our holdover plates have four temperature ranges: 0°F (-18°C), -9°F (-23°C), and -18°F (-28°C) for freezer applications, and 26°F (-3°C) for refrigerator applications. They are available in a wide variety of sizes and ranges to accommodate various box designs.

Constructed of 304-grade stainless steel, Dometic holdover plates have hand-welded seams and an easy-mount flange on the short sides. Internal steel tubing is high-pressure tested to 550 psi.

The dual circuit design allows parallel operation for engine drive and AC or DC voltage condensing units. A retrofit crossover assembly is available for easy conversion to a single circuit unit. All holdover plates feature a dual set of thermostat sensing wells for accurate temperature control.

Determining Correct Holdover Plate Size

To determine the proper plate size and capacity, first, using one of the charts below, find the internal volume in cubic ft. of the freezer or refrigerator box, then refer to the left-hand column for the corresponding minimum BTU Leak in 24 Hours. Finally, use the specifications table on the other side of this sheet to locate a plate(s) that meets the BTU minimum requirement and also fits inside the box.

For example, a 0° freezer box with 4 in. insulation* and inside dimensions of 24 in. height X 18 in. width X 12 in. depth has a volume of 3 cubic ft. (circled). Referring to the 0° freezer plate BTU row in the specifications table, two 16 X 10 plates (3,072 BTUs) or one 24 X 13 plate (3,118 BTUs) may be used. (*Poly-foam insulation with a 2 lb. density rating.)

26°F REFRIGERATOR PLATE				0°F FREEZER PLATE				-9°F FREEZER PLATE				-18°F FREEZER PLATE							
BTU LEAK IN 24 HOURS	VOLUME IN CUBIC FEET*			BTU LEAK IN 24 HOURS	VOLUME IN CUBIC FEET*			BTU LEAK IN 24 HOURS	VOLUME IN CUBIC FEET*			BTU LEAK IN 24 HOURS	VOLUME IN CUBIC FEET*						
	6"	4"	3"		2"	6"	4"		3"	2"	6"		4"	6"	4"	6"	4"		
5200				14	5200	16	11	8	5	5200	14	10		9600	5200	12	8		9600
5000				13	5000		10	7		5000	14			9400	5000		8		9400
4800			20		4800	14		7		4800				9200	4800	10			9200
4600			18	12	4600	12		6	4	4600	12	8		9000	4600		6		9000
4400			18	11	4400		8	6	4	4400		10		8800	4400	8			8800
4200			16	10	4200		10			4200		10		8600	4200		8		8600
4000			14		4000		8	5	3	4000		8	6	8400	4000				8400
3800		20			3800	8	6			3800	8			8200	3800	6		20	8200
3600		18	12	8	3600	6		4		3600	6	4		8000	3600		4		8000
3400		16	10	7	3400	6				3400	6	4		7800	3400				7800
3200		14	9	7	3200		4	3	2	3200		4		7600	3200	4	3	18	7600
3000	20	14	9	6	3000		4	3	2	3000		4	3	7400	3000				7400
2800	18	13	8	6	2800	4				2800	4	3		7200	2800	3			7200
2600	14	11	7	5	2600	4	3			2600	4	3		7000	2600	3		16	7000
2400	12	10	6	4	2400	3	3	2		2400	3	2	18	6800	2400	2	2		6800
2200	10	8	5	4	2200	3				2200	2	2		6600	2200	2		20	6600
2000	8	6	4	3	2000	2	2	1		2000	2		16	6400	2000	1	1		6400
1800	6	5	3	2	1800	2				1800	2			6200	1800	1		18	6200
1600	4	4	2		1600	1	1			1600	1	1	14	6000	1600			18	6000
1400	3	3			1400	1				1400			12	5800	1400			16	5800
1200	2	2			1200					1200			10	5600	1200			14	5600
1000	2	2	1	1	1000					1000			8	5400	1000			14	5400

Key Benefits

- A true eutectic solution with specially formulated mixture of water, salts, and inhibitors
- Provides stable box temperatures
- Injected into plates under a vacuum (30 microns)
- Four temperature ranges: 0°F (-18°C), -9°F (-23°C), and -18° (-28°C) for freezer applications and 26°F (-3°C) for refrigerator applications
- 304-grade stainless-steel construction
- Easy-mount flange
- Internally gusseted steel tubing improves thermal transfer
- Hand-welded seems
- Wide variety of sizes and ranges for various box designs
- Parallel operation for redundancy
- Retrofit crossover assembly for easy conversion to a single unit
- Rapid "pull down" of plate temperature when run with a double pass on one condensing unit
- Dual set of thermostat sensing wells for accurate temperature control

Specifications for Holdover Plates

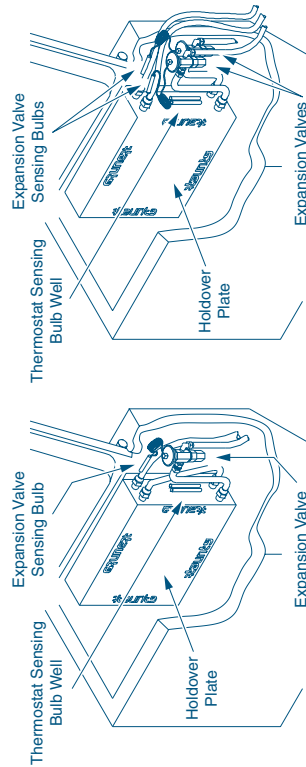
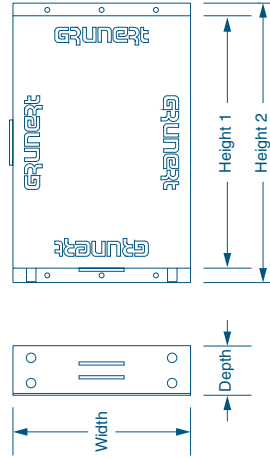
Plate Size ⁽¹⁾	12 X 10	16 X 10	20 X 8	20 X 10	16 X 14	24 X 10	24 X 13
Refrigerator 26°F/-3°C	1,243 BTU/hr	1,708 BTU/hr	1,980 BTU/hr	2,174 BTU/hr	2,356 BTU/hr	2,653 BTU/hr	3,469 BTU/hr
Freezer 0°F/-18°C	1,117 BTU/hr	1,536 BTU/hr	1,780 BTU/hr	1,955 BTU/hr	2,118 BTU/hr	2,385 BTU/hr	3,118 BTU/hr
Freezer -9°F/-23°C	1,023 BTU/hr	1,438 BTU/hr	1,480 BTU/hr	1,851 BTU/hr	2,025 BTU/hr	2,265 BTU/hr	2,984 BTU/hr
Freezer -18°F/-28°C	1,058 BTU/hr	1,486 BTU/hr	1,486 BTU/hr	1,914 BTU/hr	2,095 BTU/hr	2,342 BTU/hr	3,086 BTU/hr
Height 1 (in/mm)	10.0/254	14.0/356	18.0/457	18.0/457	14.0/356	22.0/559	22.0/559
Height 2 (in/mm) ⁽²⁾	11.5/292	15.5/394	19.5/495	19.5/495	15.5/394	23.5/597	23.5/597
Width (in/mm)	10.0/254	10.0/254	8.0/203	10.0/254	14.0/356	10.0/254	13.0/330
Depth (in/mm)	3.0/76	3.0/76 for 26°F/-3°C and 0°F/-18°C plates; 3.38/86 for -9°F/-23°C and -18°F/-28°C plates					
Refrigerant Connections ⁽³⁾	0.5 in. (13 mm) O.D. X 0.75 (20 mm) length - 5.5 stubs						

¹ Holdover plates can be mounted in either horizontal or vertical configurations, with connections at right, left, up, or down. Refrigerant line connections are always located on short dimension of the plate. Custom sizes are available on request.

² Includes two 3/4-in. (19 mm) flanges with 1/4-in. (7 mm) diameter mounting holes.

³ All plates can be prefabricated to customer's requirements, including copper stubs, flare connections and fittings, crossover assemblies, and Swagelok™ fittings.

Dimensions



Proper Holding Plate Installation

Holdover plates are available with 26°F (-3°C) eutectic solution for refrigerator box applications, and 0°F (-18°C), -9°F (-23°C) and -18°F (-28°C) solutions for freezer box applications. The freezer plates are identified with 1, 2, or 3 (for the 0, -9 and -18°F plates respectively) V-notches located on the mounting flange at the same end as the refrigerant line connections. The 26°F (-3°C) plates have no notch in the flange. All plates have a serial code and plate temperature inscribed on the back of the mounting flange on the opposite end.

Holdover plates are designed to be installed in any position on a box's interior surface, or as a shelf across the interior space. Each plate has mounting flanges across both short ends (smaller dimension) with 1/4 in. (7 mm) diameter mounting holes. Secure the plate(s) with the proper fasteners (lag screws, thru-wall connectors, etc.) to support the weight and torsion load from the vessel's movement.

Plates must be mounted with stand-offs to expose the back surface area of the plate to provide proper performance. A minimum of 5/8 in. (1.6 cm) clearance between the box and the back of the plate is recommended.

Do not install expansion valves with the diaphragm on the bottom. Recommended location of the valve is in the box(es) with the plate. The expansion valve sensing bulbs are to be properly located and secured on the outlet (suction line) of the last plate in series. Recommended location is on a horizontal portion of tubing on the top (between ten and twelve o'clock). If either the expansion valve or its sensing bulb must be located outside of the box, each part must be properly insulated to protect against condensation, as well as to allow accurate temperature sensing of the bulb.

Thermostat sensing bulbs are to be inserted into the sensing wells located on the holdover plate. Two sets of wells are located on two sides of each plate. Once a plate has been positioned in a box, the well(s) that are located on the side (vertical surface) should be used for the most accurate sensing of plate temperature.

Dealer



Single Circuit Holdover Plate Dual Circuit Holdover Plate

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L-2147 Rev. 20140117

Specifications and availability subject to change without notice.

NEW

Eskimo Ice EI540D Fishbox Ice System

Produces Up to 540 Pounds (245 kg) of Fishbox Ice Per Day



The Eskimo Ice EI540D system produces up to 540 lbs. (245 kg) of fishbox ice per day, roughly the same output as its larger predecessor. The EI540D ice-making machine comes in a self-contained, cube-shaped package with a 16 x 16 in. (413 x 413 mm) footprint, making it ideal for boats with limited installation space but no less demand for reliable and efficient fishbox ice production.

EI540D units are easy to install. Ice is generated minutes after starting the system, and can be conveyed up to 35 ft. (10.6 m) through an ice-delivery hose to nearly any desired location on board.

The system is operated by the Smart Logic control. The control is integrated into the electrical box which can be mounted remotely for installation flexibility. Smart Logic features a full menu of sensors and status lights monitor gas pressure, auger motor, compressor, water level, ice level, and ice clogs, and will shut off the system if problems are detected.

EI540D units feature ventilated cover panels, which can be easily removed for convenient service access from any side.

The EI540D system installation kit includes one electrical box with Smart Logic keypad/display, water filter, and 35 ft. (10.6 m) of 3/4 in. (20 mm) ID ice delivery hose and insulation. This smaller diameter hose is easier to install and less likely to kink. Units are available in 115V/60Hz, 230V/60Hz, and 220V/50Hz electrical configurations. The EI540D will support an additional remotely-mountable Smart Logic keypad/display, which can be purchased separately.



The easy-to-use Smart Logic digital control monitors all system functions.



Ventilated cover panels can be removed for service access from any side.

Key Benefits

- Produces up to 540 lbs. (245 kg) of fishbox ice per day
- Thermal expansion valve increases performance for all conditions
- Compact footprint - 16 x 16 in. (413 x 413 mm)
- Available in 50Hz and 60Hz models
- Up to two remotely-mounted Smart Logic digital controls/display panels
- Photo-electric ice-level sensor
- Fresh-water filter included in kit
- Pre-charged system
- Sensors monitor all system functions
- Monitor system and restart from any Smart Logic digital control location
- Improved fresh-water float switch
- Ventilated cover panels can be removed for maintenance access from any side
- CAN-bus compatible
- Smaller 3/4 in. (20 mm) ID ice delivery hose is easier to install, less likely to kink

Product Testimonial

"It can fill a five-gallon bucket in under an hour. It doesn't get any better. Sushi quality fish all the time."

— Capt. Glenn Morgan, Carpe Momentum

"We recently installed an Eskimo Ice machine on the Big Oh and it provides us with professionally crushed ice to keep our bait and our fish fresh while we're fishing tournaments all over the world. I would not have a boat without an Eskimo Ice maker."

— Capt. Ronnie Fields, In The Bite Magazine's 2010 Captain of the Year

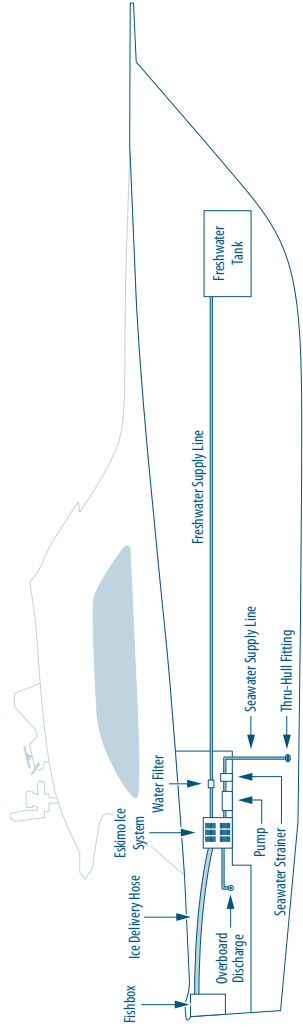


Specifications for Eskimo Ice EI540D Fishbox Ice System

Model	EI540D		
Ice Capacity Per Day (lbs/kg) ⁽¹⁾	540/244.1		
Ice Capacity Per Hour (lbs/kg) ⁽¹⁾	22/9.1		
Voltage (V)	115	220	230
Cycle (Hz)/Phase (Ph)	60/1	50/1	60/1
Full Load Amps (FLA) Cool (A)	10.7	5.4	5.3
Locked Rotor Amps (LRA) (A)	58.8	26.3	31
Max. Circuit Breaker (A)	30	15	
Min. Circuit Ampacity (A)	18	10	
Refrigerant Type	404A		
Water Consumption Per Day/24 Hours (gpd/tpd)	64.7/244.1		
Height (in/mm) ⁽²⁾	16.25/413		
Width (in/mm) ⁽²⁾	16.25/413		
Depth (in/mm) ⁽²⁾	16.25/413		
Seawater Inlet Connection (in)	%		
Net Weight (lbs/kg) ⁽³⁾	107/48.6		
Gross Weight (lbs/kg) ⁽³⁾	128/58.1		

¹ Actual capacity depends upon conditions
² All dimensions ± 0.30 in. (8 mm).
³ All weights ± 10%.

Installation



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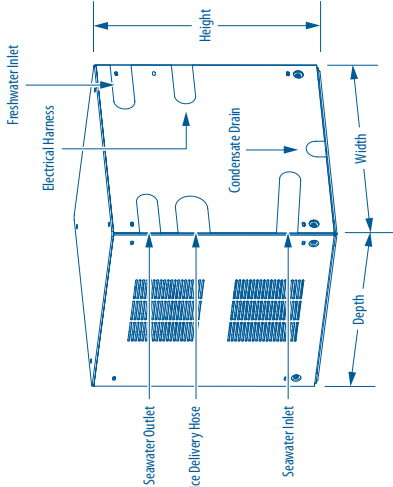
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L-3076 Rev. 20140321

Specifications and availability subject to change without notice.

Dimensions



Dealer



NEW

Eskimo Ice EI1000D Fishbox Ice System

Produces Up to 1,000 Pounds (454 kg) of Fishbox Ice Per Day



The Eskimo Ice EI1000D system produces up to 1000 lbs. (454 kg) of fishbox ice per day. That's nearly 42 lbs. (19 kg) of ice per hour! The EI1000D ice-making machine comes in a self-contained, compact package with a 21.25 x 21.25 in. (540 x 540 mm) footprint and a height of only 23.25 in. (591 mm), making it ideal for boats with limited installation space but a big demand for reliable and efficient fishbox ice production.

EI1000D units are easy to install. Ice is generated minutes after starting the system, and can be conveyed 50 to 70 ft. (15 to 21 m) depending on conditions and angle of run through an ice-delivery hose to nearly any desired location on board.

The system is operated by the Smart Logic control. The control is integrated into the electrical box which can be mounted remotely for installation flexibility. Smart Logic features a full menu of sensors and status lights monitor pressure faults, auger motor, compressor, water level, ice level, and ice clogs, and will shut off the system if problems are detected.

EI1000D units feature ventilated cover panels, which can be easily removed for convenient service access from any side. The unit has a sealed gear box and a totally enclosed fan-cooled (TEFC) motor.

The EI1000D installation kit includes one electrical box with Smart Logic keypad/display, water filter, and 50 ft. (21 m) of 3/4 in. (20 mm) ID ice delivery hose and insulation. This smaller diameter hose is easier to install and less likely to kink.

Units are available in a 230V/60Hz electrical configuration now, with a 220V/50Hz model coming soon. The EI1000D supports an additional remotely-mountable Smart Logic keypad/display, which can be purchased separately.

Key Benefits

- Produces up to 1,000 lbs. (454 kg) of fishbox ice per day
- Conveys ice 50 ft. (15 m) through insulated delivery hose
- Thermal expansion valve increases performance for all conditions
- Compact footprint - 21.25 x 21.25 in. (540 x 540 mm)
- Available in 230V 60Hz; 220V 50Hz model coming soon
- Up to two remotely-mounted Smart Logic digital controls/display panels
- Photo-electric ice-level sensor
- Fresh-water filter included in kit
- Pre-charged system
- Sensors monitor all system functions
- Monitor system and restart from any Smart Logic digital control location
- Improved fresh-water float switch
- Ventilated cover panels can be removed for maintenance access from any side
- CAN-bus compatible
- Sealed gear box and TEFC motor
- Smaller 3/4 in. (20 mm) ID ice delivery hose is easier to install, less likely to kink

Product Testimonial

"Fishermen prefer the larger bits of ice. They last longer and in fact it's a lot closer to what commercial fishermen use."

— Tom Troyko, Voda Marine Service

"Plenty of ice to ice down your fish and your drink box. Eskimo Ice is the only way to go."

— Kevin Stafford, captain, 60-ft. Buddy Davis



The easy-to-use Smart Logic digital control monitors all system functions.



Ventilated cover panels can be removed for service access from any side.



Special cylindrical ice shape maximizes ice density for greater cooling.

Specifications for Eskimo Ice EI1000D Fishbox Ice System

Model	EI1000D
Ice Capacity Per Day (lbs/kg) ⁽¹⁾	1000/453.6
Ice Capacity Per Hour (lbs/kg) ⁽¹⁾	42/19.1
Voltage (V) ⁽²⁾	230
Cycle (Hz)/Phase (PH)	60/1
Full Load Amps (FLA) Cool (A)	10.7
Locked Rotor Amps (LRA) (A)	58.8
Max. Circuit Breaker (A)	30
Min. Circuit Ampacity (A)	18
Refrigerant Type	404A
Water Consumption Per Day/24-Hours (gpd/ptd)	120/454.3
Height (in/mm) ⁽³⁾	23.25/591
Width (in/mm) ⁽³⁾	21.25/540
Depth (in/mm) ⁽³⁾	21.25/540
Net Weight (lbs/kg) ⁽⁴⁾	211/95.8
Gross Weight (lbs/kg) ⁽⁴⁾	230/104.4

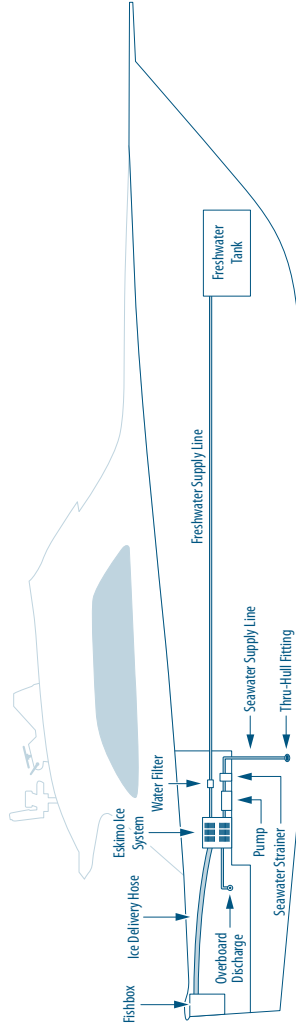
¹ Actual capacity depends upon conditions

² 220V/50Hz model coming soon

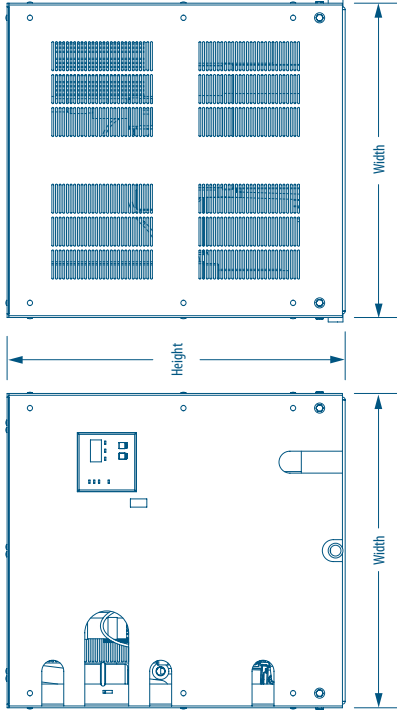
³ All dimensions ± 0.30 in. (8 mm).

⁴ All weights ± 10%

Installation



Dimensions



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L-3118 Rev. 2014/07/04

Specifications and availability subject to change without notice.

Dealer



NEW

HZB Series Portable Ice Makers

Make Up to 33 Lbs. of Ice Every 24 Hours



The HZB-12SA, which makes 23 lbs. of ice per day, and the larger capacity HZB-15S, which makes 33 lbs. of ice per day

Dometic's HZB series of portable ice makers makes it possible to have ice where and when you need it.

Efficient HZB ice makers can produce up to 33 lbs. (15 kg) of ice every 24 hours. After turning on the unit, simply add fresh water, select the cube size, and the ice maker does the rest. Ice is ready about 14 minutes after turning on the unit.

HZB units can make different sized ice cubes. Cube size selection is made on the LED control panel, which also features low water and ice full indicators.

The removable basket holds up to 2.5 lbs. (1.1 kg) of ice. The basket is slotted on the bottom to allow water from the melting ice to flow back into the water reservoir for more ice production.

The energy saving clear window in the lid allows ice level checking without raising the lid and losing cold. HZB ice makers include an ice scoop, self-storing drain fitting, and is available in stainless-steel or black finish (HZB-12 only).

Key Benefits

- HZB-15S makes up to 33 lbs. of ice every 24 hours
- HZB-12 makes up to 23 lbs. of ice every 24 hours
- Removable basket holds 2.5 lbs. (HZB-15S) or 1.8 lbs. (HZB-12) of ice
- Select different sized cubes
- Ice is ready in about 14 minutes
- Ice full and water empty control panel indicators
- Slotted ice basket allows water from melting ice to be recycled into more ice
- Automatic shutoff when water is low
- Automatic shutoff when ice basket is full
- HZB-12 is available with black finish (HZB-12A) or stainless-steel and black finish (HZB-12SA)
- Ice scoop included
- Window in lid allows ice level checking without opening the lid and losing cold
- Convenient recessed carry handles (HZB-15S only)
- 1-year warranty



Select from three cube sizes on the HZB-15S LED control panel, which also indicates low water and ice full.



Select small or large cube size on the HZB-12S LED control panel, which also indicates empty water and full ice.



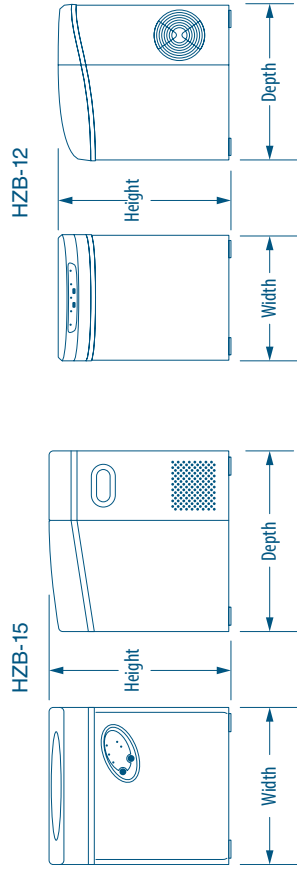
The removable ice basket is slotted to allow for water from melted ice to be recycled into more ice. Ice scoop is included.

Specifications for HZB Series Portable Ice Makers

Model	Voltage	Amps	Ice Capacity Per 24 Hrs. (lbs/kg)	Ice Basket Capacity (lbs/kg)	Water Fill Capacity (gal./l)	Height (in/mm)	Width (lbs/mm)	Depth (in/mm)	Net Weight (lbs/kg)	Gross Weight (lbs/kg)
HZB-12 ⁽¹⁾	120VAC/60Hz	1.2	23/10.4	1.8/0.8	0.58/2.2	12.9/328	9.5/242	14.1/358	21/9.5	25/11.3
HZB-15S	120VAC/60Hz	3.5	33/15	2.5/1.1	1.0/3.78	17.0/432	15.0/381	17.0/432	32/14.5	44/19.1

¹ Use HZB-12A for black finish or HZB-12SA for black/silver finish.

Dimensions



Dealer

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