

2014 Manual July

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220 Volt

Condenser Types

The compressor is often described as the heart of a refrigeration system. However the condenser unit has a primary link to the efficiency and cost of the refrigeration unit.

Wire & Tube Condenser



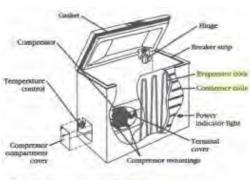
- Good Heat transference rate
- Low condenser pressure & condenser temperature
- Refrigeration efficiency is increased
- Units are generally efficient & performs well under high Ambient Conditions
- Ideal for space constraint units

Forced Draft Wire & Tube / Forced Draft plate Fin



- Good Heat transference rate
- Low condenser pressure & condenser temperature
- Refrigeration efficiency is increased
- Units are generally efficient
- Designed for higher Ambient Conditions
- Has a noise factor

Hot Wall Condenser



13-40 The component location of a there less

- Used in cheaper domestic refrigeration units (220 Volt)
- Has a higher energy consumption in the same working temperature as a % of heat is transferred back
- Unit not suitable for higher Ambient Conditions

Under Counter Beverage CoolersSliding Door

Model: DBQ220LS2



Double door – Sliding Size: 905 W x 510 D x 900 H New 850 Model: DBQ300LS3



Triple door - Sliding **Size**: 1350 W x 510 D x 900 H new 850

Applications: commercial/domestic pubs, display units

Features

Tempered glass

Lockable

Temp range: -5°C to 10°C

Adjustable shelves Internal display light

Internal fan for air circulation

Fan cooled wire and tube condenser

Compressor cooled Digital thermostat

Benefits

Clear visual display of products.

Front discharging for built-in or enclosed applications.

Easy access to stored products in confined spaces due to sliding door application.

Efficient cooling system.

Notes: Make sure that these under counter units have enough room to "breath" i.e. ventilation. Stifling can cause the unit to malfunction or sweat. It is common for condensation to form on the doors. Make sure the unit is tilted approx. 5 deg backwards to assist with auto drainage of the condensation that may form inside the unit. Keep door rails clean and unobstructed at all times. Temperature display and actual temp could have a 2deg variance. NB - Generally these models won't fit under standard counters as their height is 900mm.

Under Counter Beverage Coolers 850 Height – Pedestrian Door

Model: DBQ220LS2 (Black) Model: DBQ220LSS (S/Steel)

Model: DBQ300LS3 (Black) Model: DBQ300LSS (S/Steel)



Double door – Pedestrian (Heated)
Size: 920 W x 505 D x 850 H (to be confirmed)

Triple door – Pedestrian (Heated)
Size: 1335 W x 505 D x 850 H (to be confirmed)

Applications: commercial/domestic pubs, display units

Features

Tempered glass

Lockable

Temp range: -5°C to 10°C

Adjustable shelves Internal display light

Internal fan for air circulation

Fan cooled wire and tube condenser

Compressor cooled Digital thermostat **NEW** Heated doors

Benefits:

Clear visual display of products.

Front discharging for built-in or enclosed applications.

Easy access to stored products in confined spaces due to sliding door application.

Efficient cooling system (Wire & Tube).

Heated doors reduce condensation.

850mm Height – units can be used under standard counters.

Digital control external for easy access

Notes: Make sure that these under counter units have enough room to "breath" i.e. ventilation. Stifling can cause the unit to malfunction or sweat. It is common for condensation to form on the doors. Make sure the unit is tilted approx. 5 deg backwards to assist with auto drainage of the condensation that may form inside the unit. Keep door rails clean and unobstructed at all times. Temperature display and actual temp could have a 2deg variance.

Under Counter Beverage Cooler

Model: SC-98



Size: 480 W x 480 D x 860 H

Applications: Commercial & Domestic pubs, display units

Features

Pedestrian door
Tempered glass
Lockable
Wire and tube condenser
Temp range: -5°C to 10°C
Adjustable shelves
Internal display light
Internal fan for air circulation
Compressor cooled
Manual thermostat

Benefits

Clear visual display of products.
Efficient cooling system (Wire & Tube).
860mm Height – units can be used under standard counters

Notes: Make sure that these under counter units have enough room to "breath" i.e. ventilation. Stifling can cause the unit to malfunction or sweat. 50mm space all around for ventalation

Combo Fridge freezer

Model: BD/C-100FF



Size: 470 W x 530 D x 855 H 26 Litre Freezer / 70 Litre Fridge

Applications: Bed 'n Breakfasts, Students, Home Pubs

Features

Energy rating A
Double door fridges
Separate top freezer
R600 gas used
S/steel Doors
Wire and tube condenser
Lockable
Noise level 40db(A)

Benefits

Separate fridge/freezer combo
Low energy consumption
Lock for safe storage
Better cooling efficiency
Compact to fit under or on top of most counters

Freestanding Commercial Fridges

Model: DBQ318



Size: 360 W x 365 D x 1880 H Pedestrian Door – Manual Thermostat Model: LG280



Size: 575 W x 606 D x 1830 H Pedestrian Door – Digital Thermostat Model: SC130

Size: 525 W x 600 D x 1460 H Pedestrian Door – Manual Thermostat

Applications: Display units in Retail or Commercial settings

Features

Tempered glass

Lockable

Temp range: 2°C to 7°C

Adjustable shelves

Internal display light

Internal fan for air circulation

Fan cooled wire and tube condenser

Compressor cooled

Light box

Front discharging

Castor Wheels

Benefits

Front discharging allows for better heat dissipation.

Castor wheels allows for easier placement of units.

Light switches are external or easy access.

Efficient fan and wire condenser. Clear visual display of products

Notes: These are commercial units and can be noisy if used in a domestic application. Noise level increases as the unit has a higher velocity cooling fan and larger compressor.

Upright Glass Door Freezer

Model: DBQ318FF



Size: 670 W x 700 D x 1980 H Weight 128Kg

Applications: Commercial applications i.e. ice cream parlours, etc.

Features

Glass Heated Door

Temp range: -22°C to 10°C

350 Ltr Capacity

Adjustable shelves

Auto Defrost

Internal display light – Two 10Watt Lamps

Header Panel - One 8Watt Lamp

Internal fan for air circulation

Danfoss Compressor

Fan cooled wire and tube condenser

On Castor wheels (front lockable)

Digital thermostat

Energy Consumption 12kw.h/24Hr

Running Current 4.4 Amps

Defrost Input Power 731.5Watt

Refrigerant R404a

Benefits

Castor wheels allows for easier movement.

Heated doors reduces condensate.

Front discharging for better heat

disbursement.

Clear visual display of products

Header Panel with external light switch for

easy access.

Undercounter Freezer

Model: BD/C-100 Freezer (NEW)



Size: 470 W x 530 D x 855 H 83 Litre Freezer

Applications: Bed 'n Breakfasts , Students , Home Pubs

Features

Energy rating A R600 gas used S/steel Doors Digital Thermostat Noise level 40db(A) Wire and tube condenser Lockable

Benefits

Low energy consumption
Fits under counter
Accurate temperature setting

Glass Door Table Top Freezer

Model: SD50 (New)



Size: W x D x H 50 Litre Glass Door Freezer

Applications: Retail and Domestic Display Freezer

Features

Energy rating R600 gas used Heated Tempered Glass Door Wire and tube condenser Lockable

Benefits

Low energy consumption Clear visual display of products

Table Top Beverage Cooler

Model: SC52



Size: 440 W x 500 D x 505 H

Applications: Commercial/domestic pubs, B&B's, chemists, etc.

Features

Pedestrian door

Tempered glass

Temp Range: -5°C to 10°C

Adjustable shelves Internal display light

Compressor cooled

Manual thermostat

Table top beverage display units

Benefits

Clear visual display of products

Efficient cooling (Wire & Tube condenser).

Table Top Beverage Cooler with Light Box

Model: BC-2



Size: 295 W x 370 D x 550 H

Model: SC-40B



Size: 400 W x 420 D x 730 H

Model: CTB-100 Model: CTB-200B



Applications: Retail or commercial settings.

Features:

Pedestrian door
Tempered glass
Temp range: 2°C to 7°C
Adjustable shelves
Internal display light
Compressor cooled
Wire on Tube Condenser
Manual thermostat

Table top beverage display units

Light Box

Display lights have separate isolators

Benefits:

Clear visual display of products Header display for advertising purposes Can work in Higher Ambient Conditions Light switch for internal and Header Panel display

Wine Chiller Benefits

Questions always arise as to why use a wine chiller compared to a general fridge with wine shelves.

Wine chillers are specifically designed to not just preserve but to age wine. Storing and aging wine properly brings out the full flavour potential.

A number of reasons are:

- Wine chillers have low vibration compressors to reduce disturbance of the sediment in the wine, which can affect the natural aging process.
- Wine chillers maintain the humidity between 50 80% whereas refrigerators are designed to remove humidity from the environment. Low humidity will dry out the corks and affect the aging process.
- They have more accurate temperature controls. Temperature stability is one of the primary factors that help preserve and age the wine. General household refrigerators tend to have larger temperature fluctuations.
- Circulating fan balances the storage temperature.
- They have auto defrost functions to maintain interior temperature and prevent frosting.
- Our units also come as front discharging, which allows them to be built in. If heat is not dispensed efficiently, it may cause the unit to overheat.
- Low LED lighting is used in wine chillers as opposed to florescent lights which can break down and destroy the wine flavour.

Wine Coolers

Built in Models

Model: VT24



Size: 592 W x 555 D x 455 H 24 Bottles Single Zone Temp range: 5°C- 20°C

Applications: Commercial / domestic pub, kitchen, corporate environment, etc. "Chimney" Ventilation at back is required.

Features

Tempered glass One storage zone Stainless steel handle Internal LED light Compressor cooled Adjustable beech wood sliding shelves Digital touch control Automatic control panel lock

Low vibration

Auto defrost

Circulating fan cooling

Benefits

Wine Coolers

Built in Models

Model: VT41



Size: 592 W x 555 D x 885 H 41 Bottles

Dual Zone

Upper Zone Temp range: 5°C - 12°C Lower Zone Temp range: 12°C - 20°C

Applications: Commercial / domestic pub, kitchen, corporate environment, etc. "Chimney" Ventilation at back is required.

Features

Tempered glass
Two storage zones
Stainless steel handle
Internal LED light
Compressor cooled
Adjustable beech wood sliding shelves
Individual Digital touch control
Automatic control panel lock
Low vibration
Auto defrost
Circulating fan cooling

Benefits

Freestanding Single Zone Wine Coolers

Model: VT19



Size: 295 W x 570 D x 870 H 19 Bottles **Model: VT7**



Size: 150 W x 525 D x 870 H 7 Bottles

Applications: Commercial / domestic pubs, wine cellars, restaurants, etc. The slim line units can be incorporated into kitchens and used as a "space-filler".

Features

One storage zone
Stainless steel handle
Temp range: 2°C – 20°C
Tempered glass

Tempered glass Internal LED light Compressor cooled

Front louver design for discharging

Adjustable sliding shelves Digital touch control

Automatic control panel lock

Auto defrost Low vibration

Circulating fan cooling (auto air circulation

function)

Benefits

Freestanding Dual Zone Wine Coolers

Model: VT46



Size: 595 W x 570 D x 870 H 46 Bottles

Model: VT94



Size: 595 W x 680 D x 1215 H 94 Bottles

Model: VT181



Size: 595 W x 680 D x 1835 H 181 Bottles

Applications: Usage includes commercial / domestic pubs, wine cellars, restaurants, etc.

Features

Upper Zone Temp range: 2°C - 12°C Lower Zone Temp range: 12°C - 20°C

Tempered glass

Adjustable beech wood sliding shelves

Reverse door swing Internal LED light Compressor cooled

Adjustable sliding shelves

Digital touch control

Automatic control panel lock

Auto defrost Low vibration

Circulating fan cooling both upper and lower zone

(auto air fan function)

Front louver design for discharging

Benefits

Dual Wine Chiller – Side by Side

Model: VT19D



Size: 600 W x 580 D x 865 H

Applications: Commercial or domestic applications.

Features

Heated Door

Temp range: 1°C to 10°C

Adjustable beech wood sliding shelves

18 Bottles per side Adjustable shelves

Auto Defrost

Internal display light

Internal fan for air circulation (auto air fan

function)

Digital thermostat

Benefits

Ice Makers - Portable

Model: ZBC-15





Size: 365 W x 390 D x 415 H Domestic ice maker Ice Cubes per Cycle : 12

Applications: Private pub or home entertainment areas, B&B's

Features

15kg ice maker
S/Steel finish
S/steel hinge pins
New lid handle
Bullet type ice
12 ice cubes per cycle
Add water function
Full ice sensor
Removable ice bucket
3 cube size selection
Drain point

Portable
Approx. 1.8kg ice storage
Dianoetic check on start up

Benefits

Compressor is a Snomaster High back pressure compressor which is more robust and works efficiently in higher ambient conditions. Sealed PC Board which reduces moisture content and corrosion.

Copper/aluminium evaporator which is less corrosive that standard steel evaporators. Stainless steel pins makes moving parts more durable

Notes: Don't use RO water as this can give a false water indicator. Rather use filtered mineralised water. Ice cycle time is dependent on water temperature. Clean and drain the unit at least once or twice a month. Milton or 10ml vinegar can be added to the water to help the cleaning process.

Ice Makers - Plumbed Bullet type

Model: SM26 Model: SM50





Size: 400 W x 540 D x 620 H

- 26Kg per 24 Hr
- 16 cubes per cycle
- Storage 5kg

Size: 550 W x 610 D x 830 H

- 52Kg per 24 Hr
- 32 cubes per cycle
- Storage 20kg

Applications: Domestic or commercial pubs, restaurants, etc.

Features

Bullet type
S/steel finish
S/Steel water inlet valve
Water agitator
Water recycling Function
Ice Bin Storage Mat
ON/OFF switch

Benefits

Inlet valve can handle higher pressures. Water agitator reduces air in the water to produce clearer, harder ice.

90% of the water is recycled through the system to reduce water waste.

Storage bin Mat protects the bin lining from damage that might be caused when "scooping" ice.

Notes: These units have a gravity fed drain point, thus drain point must be lower than the machine. Keep unit well ventilated.

Ice Makers - Plumbed Gourmet Block

Model: SM26S



Model: SM80S





Size: 380 W x 450 D x 675 H
Storage bin capacity: 5kg
cubes per cycle 30
Capacities: 26kg
Ice cube size: Approx. 32mm x 32mm x 32mm

/18gms

Size: 677 W x 585 D x 895 H
Storage bin capacity: 30kg
Cubes per cycle 39
Capacities: 80kg

Ice cube size: Approx. 32mm x 32mm x 32mm /18gms

Applications: Commercial or domestic application.

Features

Makes Gourmet ice blocks Front ventilating S/steel Embraco Compressor Replaceable nozzles

Benefits

Easy maintenance with replaceable nozzles. Gravity fed drain reduces moving parts. Spray system gives a clear, solid ice block. Front discharging so can be built in.

Notes: Recommended that filtration system be installed to help protect the "spray" function. Unit is front discharging. This is a gravity fed drain, thus drain point must be lower than unit. New models will have on/off switch

Ice Makers - Commercial Plumbed with Storage Bin

Model: SM150 Model: SM250 Model: SM450





Size: 760 W x 610 D x 560 H Capacity: 150kg per 24 hours Ice cubes per cycle: 180 Size: 760 W x 600 D x 560 H Capacity: 25kg per 24 hours Ice cubes per cycle: 240 Size: 760 W x 600 D x 720 H Capacity: 450kg per 24 hours Ice cubes per cycle: 380

Applications: Larger pubs, restaurants, B&B's, hotels, etc.

Features

S/steel
Air filter for condenser
Compressor type: Copeland
120kg storage bin
220volt
Ice full sensor

Square block ice

Benefits

Condenser filter improves the efficiency of the unit.

120 KG storage bin included in unit Price.

Notes: Ensure that unit is installed in a well-ventilated environment. Maximum ambient temperature of 38°C. Clean condenser filter regularly

Water Coolers

Bottle Type

Model: YLRS-5-LBF



Size: 320 W x 380 D x 970 H

16 Litre Cooler 5 Litres Hot water per hour – 90 deg Model: YLR2-5-16T



Size: 320 W x 380 D x 520 H

5 Litres Hot water per hour – 90 deg

Model: YLR2-5-16LB



Size: 325 W x 335 D x 880 H

Cold Only

Applications: Offices, receptions area and domestic homes.

Features

Compressor cooled
2ltr cold water per Hour – temp 7 to 10 deg
Fits both standard and filter water bottle
Drip tray
Drainage port
Isolating switches

Benefits

Do not need pluming Does not need a drain Filter bottle allows for better flexibility when using water ie no contracts, water on hand

Notes: Remove bottle support when using filter bottle. NB - Units supplied without bottle

Water Cooler

Direct Connection





Size: 430 W x 330 D x 1020 H

Applications: Factories, mines, gyms, etc.

Features

Plumbed in water fountain
S/steel
Compressor cooled
8ltr cold water per hour
Cooling temp 6°C – 10°C
Bubbler connected to Chill tank
3 stage filtration system
Goose neck and water bubbler
Pressure regulating valve supplied

Benefits

Filtered water enhances life expectancy of unit. Pressure regulator helps prevent water leaks.

Notes: Filters need to be replaced regularly, dependent on usage and water quality. Must be installed with Inlet Water Pressure Regulating Valve.

12 Volt / 220 Volt

Stainless Steel Fridge/Freezer Single Compartment

Model: BD/C-40R Model: BD/C-60R Model: BD/C-80R



Size: 600 W x 420 D x 520 H Wireless Temperature Monitor supplied 40 Litre **Size**: 715 W x 450 D x 525 H Wireless Temperature Monitor supplied 60 Litre

Size: 720 W x 530 D x 525 H Wireless Temperature Monitor supplied 80 Litre

Applications: Camping, Boating, hunting, fishing, 4WDS, trucks, caravans, etc.

Features

Single compartment 220/12volt fridge or freezer Lid open Alarm

60mm polyurethane insulation

S/steel Cabinet

S/steel hinges, locks and handles

3 Internal baskets included

Temp range: -22°C to 10°C

Digital thermostat

66watt Snomaster

Internal power supply

LED light

Polyurethane insulation

Transit bag included

5 amps on high speed, 2.5 amps on low speed Voltage Cut out can be set between 10 $\&\ 11.5$

Volts

Benefits

S/steel finish cabinet, hinges, locks and handles enhances durability.

S/steel cabinet allow the polyurethane to be injected under high pressure, giving better insulation.

60mm insulation suitable for higher ambient conditions.

Transit bag and baskets are included in price. Wireless monitor allows you to monitor your unit on long trips.

Larger Compressor allows for better cooling efficiency over a 24hour cycle.

5 year Warranty on Snomaster 66 Watt Compressor.

Stainless Steel Dual Fridge/Freezer Dual Compartments

Model: BD/C-60D Model: BD/C-80D



Size: 715 W x 450 D x 525 H 24 Litre / 28 Litre split Wireless thermostat Monitor supplied

Size: 715 W x 450 D x 595 H 32 Litre / 40 Litre split Wireless thermostat Monitor supplied

Applications: Camping, boating, hunting, fishing, 4WDS, trucks, caravans, etc.

Features

Dual 220/12volt fridge or freezer S/steel cabinet

S/steel hinges, locks and handles

Lid open Alarm

3 Internal baskets included

Temp variance -22°C to 10°C

Digital thermostat

Interchangeable compartment settings

66watt Snomaster compressor

Internal power supply

Polyurethane insulation

Transit bag included

5 amps on high speed, 2.5 amps on low speed Voltage Cut out can be set between 10 $\&\ 11.5$

Volts

Benefits:

S/steel finish cabinet, hinges, locks and handles enhances durability.

S/steel cabinet allow the polyurethane to be injected under high pressure, giving better insulation.

60mm insulation suitable for higher ambient conditions.

Dual compartment temperature settings are interchangeable.

Transit bag and baskets are included in price. Wireless monitor allows you to monitor your unit on long trips.

Larger Compressor allows for better cooling efficiency over a 24hour cycle.

5 year Warranty on Snomaster 66 Watt Compressor.

Stainless Steel Dual Fridge/Freezer Dual Compartments

Model: BD/C-70SS Model: BD/C-100SS



Size: 830 W x 500 D x 530 H 22 Litre / 48 Litre split Wireless thermostat supplied Size: 830 W x 500 D x 640 H 60 Litre / 35 Litre split Wireless thermostat supplied

Applications: Camping, boating, hunting, fishing, 4WDS, trucks, caravans, etc.

Features

220/12volt fridge or freezer double door S/steel

Temp variance -19°C to 10°C

Digital thermostat

Interchangeable compartment settings

55watt Danfoss/Sebcob compressor

Internal power supply

Polyurethane insulation

Transit bag included

5 amps on high speed, 2.5 amps on low speed Voltage Cut out can be set between 10 & 11.5 Volts

Benefits

Dual compartment temperature settings are interchangeable

S/steel cabinet allow the polyurethane to be injected under high pressure, giving better insulation.

60mm insulation suitable for higher ambient conditions.

Transit bag and baskets are included in price. Wireless thermostat allows you to control your unit operation when unit has been packed away. Larger Compressor allows for better cooling efficiency over a 24hour cycle.

3 year Warranty on Danfoss/Sebcob 55 Watt Compressor.

Stainless Steel Fridge/Freezer 70mm Insulated

Model: BD/C-82



Size: 825W x 470D x 535H 75 Ltr Single Compartment Wireless Controller (Solar Powered)

Model: BD/C-82D



Size: 825W x 470D x 535H 30 Litre / 36 Litre split Wireless Controller (Solar Powered)

Applications:

Features

220/12volt fridge or freezer double door S/steel

70mm polyurethane insulation

Temp variance -22°C to 10°C

Digital thermostat

Interchangeable compartment settings

66watt Snomaster compressor

Internal power supply

Polyurethane insulation

Transit bag included

5 amps on high speed, 2.5 amps on low speed.

Also has auto setting

Voltage Cut out can be set between 10 & 11.5

Volts

NEW wireless Temp Controller

Benefits

70mm insulation allows for more efficient cool down period and allows unit to maintain lower temperature for longer periods in a higher ambient environment.

S/steel cabinet allow the polyurethane to be injected under high pressure, giving better insulation.

Wireless controller enables the unit to be operated remotely (Solar Powered).

Transit bag and baskets are included in price. Larger Compressor allows for better cooling efficiency over a 24hour cycle.

Auto function will allows the unit to scroll between running amps.

5 year Warranty on Snomaster 66 Watt Compressor.

Snomaster Compressor versus Danfoss Compressor

Snomaster	Danfoss
66W Compressor	55W Compressor
Compressor cools quicker and can handle	
higher temperatures	
Better cool down time on larger units	

Snomaster entered into a joint Venture with Baixue in 2002, a reputable Chines government owned compressor manufacture based in China. They manufacture over 1000000 varies high quality compressors, every year. Snomaster developed the 66 watt 12/24 volt DC Compressor with Baixue for the South African and Australian market, taking into consideration their varying conditions. The design has been based on a similar specifications to that of the original Danfoss compressor, but with more cooling capacity. The cooling systems on all SnoMaster products are designed to suit our market conditions

Danfoss is a well-known compressor manufacturer but with very little back up locally. The replacement parts very expensive and they have limited cooling capacity.

Their popularity is decreasing due to price, availability as well as the name change to Sabcob. The name change has co-inside with the units being manufacturing in China, rather than Germany.

Inverters / Generators

Inverters

- Need to use a "pure sign wave" inverter to run a compressor driven product
- Minimum 1000W "pure sign wave" inverter needs to be used because of the start-up current
- Average Retail cost of "pure sign" wave inverter: R3 000.00
- 1000w "pure sign" inverter will draw around 9Amps
- This can cause overheating over extended usage
- If a "modified sign" wave inverter is used, this will damage the compressor due to the pulsating frequency

Generators

- Must use an AVR generator (Automatic Voltage Regulator). This maintains the voltage draw and does not give a fluctuation when more power is requires.
- A minimum 1000W generator will be required

Powder Coated Fridge/Freezer Combination 220 Volt only

Model: BD40E Model: BD60E



Applications: Ideal for camping, caravans, etc.

Features

220 volt fridge or freezer single door White powder coated S/steel hinges, locks and handles 3 Internal baskets included 60mm polyurethane insulation Temp range: -22°C to 10°C Digital thermostat SnoMaster compressor

Polyurethane insulation Transit bag included

Benefits

Used as a Fridge or Freezer.

Transit bag and baskets are included in price.

Cost is lower than the 12volt units as this is only 220volt.

Powder Coated Dual Fridge/Freezer Combination 220 Volt only

Model: BD60DE



Black Trim

Size: 715 W x 450 D X 525H Fridge or Freezer 24 Lt / 28 Lt split

Applications: Ideal for camping, caravans, etc.

Features

Transit bag included

220 volt fridge or freezer single door
White powder coated
S/steel hinges, locks and handles
3 Internal baskets included
60mm polyurethane insulation
Temp range: -22°C to 10°C
Individual compartment temperature settings
Digital thermostat
SnoMaster compressor
Polyurethane insulation

Benefits

Dual compartment temperature settings are interchangeable

Transit bag and baskets are included in price. Cost is lower than the 12volt units as this is only 220volt.

2 Way Super Refrigerator220 Volt / Gas

Model: BD/C-50GF



Size: 630 W x 520 D x 520 H 50 Litre

Applications: Camping, hunting, fishing, caravans, etc.

Features

220volt/gas

Absorption cooling system works with ammonia

Removal cooling system

Gas flow meter

Built in level indicator

Gas automatic shut off valve

Pulsar igniter

Temperature range: -5°C @ 30°C ambient

Powder coated

Benefits

Flexibility of use ie Gas or Power

Notes: NB Not be used as a freezer. Unit must be level and well ventilated during operation.

12Volt Freezers

Model: BD/C-280



Size: 1100x640x850 280 Litre

Applications: This freezer can be used in areas that don't have 220volt power readily available. Ideal for camping, hunting, fishing, 4WD, caravans, etc.

Features

12volt

6 Amps Running Current

Digital thermostat with mechanical back up

70mm insulation

Drain Plug

LED light on Lid

280 ltr chest freezer

White

Benefits

Large Freezer compartment that runs off 12Volt

Notes: This can be linked up to the solar panel

12 Volt Freezer

Model: BD/C-100 Freezer (NEW)



Size: 470 W x 530 D x 855 H 86 Litre Freezer

Applications: Bed 'n Breakfasts , Students , Home Pubs

Features

Energy rating A S/steel Doors Wire and tube condenser Lockable

Benefits

Low energy consumption

12 Volt Combo Fridge freezer

Model: BD/C-100FFACDC



Size: 470 W x 530 D x 855 H 26 Litre Freezer / 70 Litre Fridge

Applications: Caravans, motor homes, camping etc

Features

Energy rating A
Double door fridges
Separate top freezer
S/steel Doors
Wire and tube condenser
Lockable

Benefits

Separate fridge/freezer

12 Volt Fridges – Conversion Kit

Snomaster 12Votl Compressor + Electronics	R2000.00 excl vat				
Consumables (Gas , Filter Dryer etc)	R450.00 excl vat				
Labour	Approx. 3 hours				
Delivery	R180.00				
Precise installation needs to be discussed with Warren.					
NB: Fridge needs to have Mechanical thermostat and have a max capacity of 220Ltrs.					

This will allow an individual to convert an existing 220 Volt fridge to a 12 volt unit. If they require 12 & 220 Volt an external power supply will be required at an additional cost of R650.00 excl vat

Solar Panel

Model: SP100



The solar panel can be used to "trickle" charge your batteries and thus enable extended usage.

Features

100watt solar panel
Indicator lights
Folding panel
Accessory cables supplied
Built in regulator (MPTT 10 Amp Regulator)
Storage compartments
Supplies 5amp trickle charge

Benefits

Compact and durable Portable Adjustable to suit sun direction for max efficiency

Notes: This panel is used to boost your battery charge, but won't recharge your "deep cell" unit from empty.

Power Pack

Model: PP002





This is a "box" to help protect and add "ease of use" to your power source.

Features

Tie down straps

Suitable for "deep "cycle battery Brad Harris socket Built in fuses Hella Socket Cigarette Lighter Socket Battery Level indicator External battery terminals Solar panel charging port ON/OFF Isolator

Benefits

Protects battery and has readily available sockets

Notes: Power box is not supplied with a battery.

12 Volt Mini Fridge / Freezer

Model: BD-C9 Model: BD-C11



Size: 185W x 515D x 365H
Capacity: 9 Litres
Running Current 3 Amps
Power Consumption 36 Watt
Weight 6.5Kg

Size: 185W x 515D x 400H Capacity: 11 Litres Running Current 4 Amps Power Consumption 48 watt Weight 7Kg

Features

12 Volt

Temp Range 10 to -18deg
Micro Danfoss Compressor
Cut out Voltage 10.5 Amps
DC cable storage compartment
Interior LED Light
Supplied with mounting bracket and straps
Protection bag supplied
3 min delay protection start up
On / off Switch

Benefits

Slim line to fit between most 4x4 front seats. Durable casing design to withstand general ware & tear.

Side discharging to reduce overheating.

12 Volt Accessories

Dual Battery Isolator



Multi Adaptor

2 x Hella Socket
2 x Cigarette Lighter socket
1 x Brad Harris
Built in fuses

Temperature Monitor



Wireless Fridge and Ambient temperature monitor with clock

WH001 DIY Wiring Harness



DIY Wiring Harness for 12 Volt DC Auxiliary Socket Outlet 7 metres long

Air Conditioning

Split Air Conditioners

Model: SMAC-09 Model: SMAC-12





9000BTU Indoor Evaporator

Size: 805 W x 305 D x 255 H

Weight: 9kg

Noise level: 36dB(A) Cooling: 900W Heating 880W

12000BTU Indoor Evaporator

Size: 855 W x 305 D x 255 H

Weight: 10kg

Noise level: 37dB(A) Cooling: 1200W Heating 1270W

Outdoor condenser unit

Size: 803 W x 361 D x 390 H

Weight: 25kg

Noise level: 50dB(A)

Outdoor condenser unit

Size: 803 W x 361 D x 590 H

Weight: 35kg

Noise level: 52dB(A)

Powder coated galvanized casing

R22 gas

Piping kit included Remote control

Additional



Snomaster Warranty Policy 2014

Tel: 011 - 392 5315

Fax 011 - 392 4198

Email: service@snomaster.co.za

Web Address: www.snomaster.co.za

Snomaster will repair or replace a product that develops a fault within the prescribed period of time. This period will commence from the date the "end-user" purchases the product. Our obligation is to repair or replace the defected part or unit only once it has been returned to the original authorised dealer. Products that are deem to be "built-in or fixed" will be repaired on site, as long as they are within 100 kilometres of a major city or town, with in South Africa. Products that fall outside this area will only carry a parts warranty.

This warranty is only valid with in South African boarders, unless written consent is obtained by an authorised Snomaster representative.

Warranty repairs must be carried out by a Snomaster Authorized Service Centre. Snomaster shall not be liable for reimbursements, claims and damages that may result from the unauthorized repair of the product.

Repair or replacement under the terms of this warranty does not provide right to extension or renewal of the warranty period. Repair or direct replacement of the product under the terms of this warranty may be full filled with functionally equivalent service exchange units. All repair only cover a 3 month warranty on the work that has been carried out.

Snomaster warrants to the "end- user" that their products are free from defects in material workmanship, for the period prescribed below, commencing from the date of purchase

220 Volt Products

- 1 year warranty on product
- 1 year extended parts warranty on the compressor

12/220 Volt Fridge / Freezer units

- 1 year warranty on product
- 4 year extended parts warranty on Snomaster 66watt compressor or 2 year extended parts warranty on Danfoss compressor

The warranty is valid only upon presentation of the proof of purchase consisting of original invoice or sales slip indicating the date of purchase, dealer's name, model and serial number of the product. Snomaster reserves the right to refuse warranty if this information has been removed or changed after the original purchase of the product from the dealer.

Specifically EXCLUDED from the warranty:

- Periodic checks, maintenance, repair and replacement of parts due to normal wear and tear.
- Accidental damage due to incorrect handling, normal wear and tear, faulty installation, abuse or misuse, neglect, including but not solely limited to the failure to use this product for its normal purposes or in accordance.
- Defects resulting from usage of the product in conjunction with accessories that are not approved by Snomaster for use with this product.
- Failure of the product arising from incorrect installation or use not consistent with the instructions prescribed in the product user manual.
- Accidents, Acts of God, lightning, water, fire, public disturbances, improper ventilation, voltage fluctuations.
- Unauthorized modifications carried out to the product.
- The serial no. on the product has been altered, deleted, removed or made illegible.

This warranty is not transferable. This warranty will be the purchasers 'sole and exclusive remedy and neither Snomaster nor its service centres shall be liable for any incidental or consequential damages or breach of any express or implied warranty of this product.

The above policies are for warranty service and the customer will be responsible for any costs associated with non-warranty conditions. Snomaster reserves the right to make final decisions regarding problem determination and the appropriate service option. Exchange units assume the remaining warranty of the original product. Snomaster warranty are subject to change without prior notice.

When the Karoo freezes over...

When kitting out your bush wagon to go driving in faraway places, a freezer is one of the most expensive and important pieces of kit you'll ever buy.

Piet van Heerde had a look at how the various models differ from one another.

here are a few reasons why we're so besotted with our 4x4 fridges. First of all, we simply don't have as much time as old people. When we get hungry we can't spend a day stalking an impala with a Lee Metford.

We also cannot grind mealie meal to make pap, hang biltong and droëwors to dry and bake rusks in an anthill oven. It takes too long for our rushed lifestyle.

We have also become terribly fussy. We want to eat good stuff - top-drawer steaks, chops and wors, and crispy fresh veggies and salad.

And when we stop next to the Orange River nowadays and it's 45°C outside, we don't want to drink a beer that's been slightly cooled by letting the six pack lie in a river rapid for a while; that Tafel Lager must be cold enough to burn your tongue.

That's why you need proper refrigeration.

What kind of freezer should I buy?

If you live in Africa and go on expeditions, it does not really make sense anymore to look at any other freezer than a compressor fridge.

They're reliable and can maintain very low freezer temperatures in very hot African summers (-10°C in a 40°C exterior temperature).

They don't have to be completely level to work, and with a good solar panel and dualbattery system you can make your freezer run just about nonstop, except when you're hit by a three-month monsoon.

The only drawback is that they're a little expensive. However, quality is not an issue in our market – there are plenty of robust products that last for years and have good aftersales service.

There is also another kind of fridge – the so-called absorption fridge that has been fitted to caravans for years. They are cheaper and run on electricity (12V and 220V) as well as butane (a gas), but the cooling process (heat is turned to cold through a gas) doesn't work as well if the fridge doesn't stand exactly level.

In other words, it's fine if you're going camping for two weeks, but not so nice if you're driving down a Kaokoland riverbed every day.

Furthermore, these fridges aren't that effective if the outside temperature climbs above 40°C

when you're passing Keetmanshoop. You'll struggle to keep the chops frozen.

The third type of mobile cooling – a thermo-electric cooler – is really only to keep your Cokes cold for the braai outside Loftus before the Bulls game. A packet of ice in a well-insulated cool box almost works better.

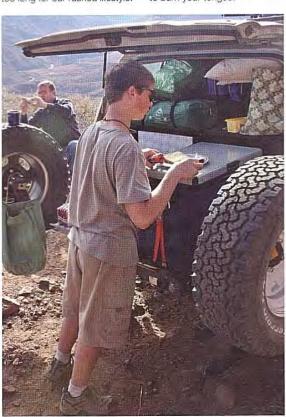
How big is big enough?

Before you buy the biggest, most expensive fridge, you have to ask what you want it for.

Weekend warrior: Are you a guy who spends long weekends in campsites with 220V power points? If so, you need nothing more than a 40-litre fridge. They usually use a little more power and aren't that well insulated, but it'll hold its temperature – as long as there's power.

All-rounder. If you have two and a half kids on the double-cab's back seat, want to spend three weeks in Botswana, Namibia or Mozambique every year and in between spend a few weekends every term in bush camps in the Magaliesberg or Cederberg, you probably need something from 50 to 60 litres that is well insulated and therefore uses little power.

World traveller. Few people really need an 80-litre freezer. There is after all no need to cart all of Checkers and Solly Kramers across the Limpopo. However, if you have to cook for a whole group and there is no time to buy local produce, you can consider an 80-litre fridge. Just make sure you freeze everything at home and it's well-insulated.



Family planning. Teach your family from early on not to open the fridge on a whim. The fewer times you open it, the better it works.

50 DRIVE OUT MAY 2012

How Drive Out's test works

Yes, we know, the only true test for a fridge is to make it work hard for three months in the back of a bakkie in Angola.

But it's impossible for us to do such a comparative test. That's why we decided to test the fridges in a lab.

We tested four aspects:

- The speed at which a fridge cools down;
- The amount of power used to cool down;
- The amount of power the fridge uses to maintain the low temperature after cooling; and
- The speed at which it warms up again after we switched it off, which of course tested the efficacy of the insulation.

We used an independent metrologist, the measuring specialists Good Hope Metrology.

The fridges were all left open for 12 hours at 32°C. Then they were all coupled to 12.6V power (we only tested fridges that run on 12V compressors) and set all the fridges to 0°C and closed them with a data logger inside that recorded all the information.

How did we pick the fridges for testing?

We tried to get a 50-60 litre fridge from every manufacturer, because this is the most commonly used size by the majority of readers who use these products. Some manufacturers in-

sisted that we tested the 40-litre fridge because these are apparently the bestselling 4x4 fridges. The selection was therefore ar-

bitrary to a certain extent, but we reckon we roughly put the most popular fridges in the market through the mill.



For good measure. If you have a drawer system and every centimeter in your load bay counts, you measure properly before buying a fridge. It's bulky, but makes life easier.

Cooling time to 0°C Warming up after power off 300 25 25 20 200 15° 15° 10° 10 5 50 00 00 45 135 195 255 315 375 435 75 225 375 525 675 825 975 Minutes Minutes ■ National Luna ■ Waeco Indel B Campmaster ■ Snomaster ■ ARB Engel Cooling time: Warming-up period: Average power Average power consumption 32°C to 0°C consumption in 0°C to 20°C to keep temperature stable cooling period ARB (47 litre) 9 hours 35 minutes 182 mA* - 210 mA 6.2 ampere 13 hours 30 minutes Engel (40 litre) 6 hours 45 minutes 3.2 ampere 100 mA - 168 mA 16 hours 45 minutes Indel B TB 55 6 hours 45 minutes 300 mA - 410 mA 5.8 ampere 16 hours 30 minutes National Luna Weekender 52 7 hours 15 minutes 6.1 ampere 210 mA - 228 mA 10 hours 45 minutes Waeco Coolfreeze CF50 4 hours 30 minutes 6.3 ampere 185 mA - 233 mA 11 hours 30 minutes Campmaster 60 litre 6 hours 30 minutes 6.12 ampere 129 mA - 179 mA 16 hours Snomaster BD/C-40R 13 hours 15 minutes 4 hours 25 minutes 5.95 ampere 82 mA - 110 mA *mA = milli-ampere www.driveout.co.za



ARB 47-LITRE FREEZER

Old name, new guy

Unlike National Luna and Engel, the Australian company ARB's freezers are fairly new to the market. Few people argue about the quality of ARB's other products, and this particular model was chosen as the best 4x4 freezer by the Australian magazine 4WD Action.

Specifications

Material: The cabinet is of zinc-steel, and the lid of plastic, sturdy enough for a man to sit on.

Weight: 22.5kg Compressor: Danfoss

Battery protection? Yes, adjustable setting Dimensions: 508mm (h) x 380mm (w) x 705mm (d)

Warranty? Three years

Good points

- It has a handy interior light
- The useful draining plug in the bottom makes it easy to clean
- · Easily-removable lid for access from all sides
- Robust and easy-to-handle locking mechanism
- · Cleverly designed and adaptable baskets
- · Easy-to-see digital meters on top

Other models in the range: ARB also manufactures 35, 60 and 78-litre models

Price: R7 895

Contact: 4x4 Megaworld ①021 511 3311 (Western Cape) and ①011 454 2874 (Gauteng); %www.4x4megaworld.co.za

Drive Out says: This ARB freezer was designed by someone who is well acquainted with the 4x4 lifestyle, because the draining plug, the light, the removable lid and handles were very sensibly thought out.

The ARB doesn't do too well when it comes to its coolingdown period and insulation (it warms up again fairly quickly), but once it's cold, its power consumption is very reasonable.

The price is a bit on the steep side, but you can't fault the ARB's quality and durability.



ENGEL 40-LITRE FREEZER

Tough old fox

Enge is a Japanese product marketed largely in Australia) that has been the elling with the 4x4 community for 50 years.

What sets the Engel freezers apart from all the other freezers on the market is the so-called Saliabili swing-motor compressor, instead of the better-known Darfoss compressor in most other freezers.

Engal redions the Sanatuli is better because it only has one moving part, and because it needs less current to get going.

Specifications

Materials Steel cabinet and lid with fixed steel handles

Weight: 24kg

Compressor: Salieful swing-motor compressor

Battery protection? No

Dimensions: 508 mm (b) x 364 mm (w) x 648 mm (d)

Warranty? Three years

Good points

- LED light inside
- · Very robust walls and build quality
- Long-life interior bettery connected to a device that continuously gives a temperature reading
- · Extremely reliable Sawafuji swing-motor compressor
- · Low average power consumption
- · Easy-to-reach electronic control panel (it sits on top)

Other models: Engel has nine models ranging from 14 to 80 litres.

Price: R7 495

Contact: 4x4 Megaworld, 0021 511 3311 (Western Cape) and 011 454 2875 (Gauteng); *hww.4x4megaworld.co.za

Drive Out says: Engel's fridges have a reputation for reliability and quality. The steel shell and handles are noticeably sturdy.

The Engel freezer also did very well in our test. It used the least power of all to cool down, and once it was cold, it also used very little power to stay cold. It also looks as if the Engel is the best-insulated, because it took the longest of all the fridges to warm up again.

If you want to find a downside, you could probably say the platinum finish can wear and look ugly in time. Complaints about after-sales service have also surfaced here and there. And although it's expensive, it's the cheapest of the three expensive models. But remember, you get what you pay for.

52 DRIVE OUT MAY 2012

Electronic Dual Battery Isolator

12 Volt Systems

140 Amp

Specifications and Installation Instructions

WARNING

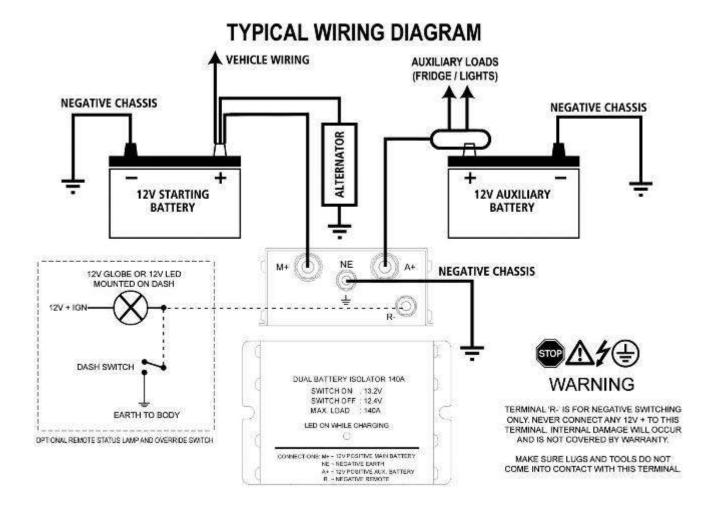
- PLEASE READ THESE INSTRUCTIONS COMPLETELY PRIOR TO INSTALLATION.
- BATTERIES PRODUCE EXPLOSIVE GASES Ensure no sparks or flames are present.
- Wear eye protection.
- Vehicles must be in "NEUTRAL "or "PARK", park brakes "ON"
- · Follow all vehicle manufacturer's instructions.
- · Beware of moving parts.
- Battery Isolators are designed for negative ground alternator systems with batteries of the same nominal voltage.
- Batteries of differing voltages cannot be used.

FEATURES

- Easy to Install The electronic isolator does not require any changes to the vehicle's existing wiring. It can be fitted to all 12V vehicle types.
- Priority Charging for Starting Battery Ensures that the starting battery is charged before connecting the auxiliary battery in parallel.
- Start Assist Forced override by remote terminal (optional).

SPECIFICATIONS

VOLTAGE	12V
CHARGING CURRENT	140A / 280A Peak (5 sec start assist
CHARGE TYPE	Parallel
CONTROL	Electronic
MOUNTING	Surface Mount
CURRENT DRAW	Charging 300 mA (Standby 30 mA)
VOLTAGE DROP	None
SURGE PROTECTION	Built in



Installation.

This installation should not be attempted by unqualified persons.

Disconnect all battery negative posts.

Fit the isolator as close as possible to the main starting battery following the drawing included with these instructions. 6 B&S 13mm2 cable is recommended, fit fuses or breakers to the wiring rated at no more then the alternators maximum output. (In most cases a 100 amp fuse or breaker will be sufficient) Earth the isolator to the vehicle chassis / body.

Check that all cables are secure and won't be cut or damaged in any way. Reconnect the batteries.

Operation / Testing.

Make sure no accessories or loads are connected to the auxiliary battery.

Using a volt meter check the voltage of the main and auxiliary batteries.

Start the engine and after a short time the LED on the isolator will come on indicating that the batteries are joined and charging together.

Check the voltage at the batteries again and they should be similar and approx 13.8 to 14.0 volts. Switch the engine off. The LED may stay on if the batteries are in good condition. Isolation takes place when the main battery voltage drops down to 12.4 volts (This may take up to 2 hours in some vehicles). If the LED is on and you wish to test the isolation simply switch on the head lights and wait for the LED to go off. Check the voltage at the batteries and they should be different. The head lights should continue to bring the main battery voltage down to well below the 12.4 voltage cut out and the auxiliary battery voltage should remain stable.

If your results are not as above re-check your wiring and the diagram.

You can now connect your accessories to the auxiliary battery following the suppliers instructions.

Note:

If batteries are in poor condition or deeply discharged they may cause the isolator to cycle on and off during the first few minutes of operation as the voltages equalize. This is normal and is not a malfunction of the isolator.

Start Assist / Override: (optional)

Using a dash mounted momentary push button or switch the isolator can be forced to join the main and aux batteries. This aids in starting a vehicle with a low main battery or boosting the aux battery using power from the main battery. Simply ground the 'R' terminal of the isolator via the switch. Do not use start assist for more than 5 seconds while cranking the engine to prevent isolator damage.

Testing Procedure.

Make sure the batteries, earths and all wiring is tight, secure and safe.

Depending on your installation make a note of which battery is the starting battery and which is the auxiliary battery.

Using a multimeter test the voltage of each battery. These should be close to 12.5V if in good condition.

Start the engine.

The starting battery voltage should rise to alternator output voltage 13.8V approx. (+-0.5V)

The DBi140 should switch on and the amber LED on the DBi140 should glow, at which point the auxiliary battery voltage will increase to alternator output voltage.





Switch the engine off.

Turn on the headlights and monitor the LED and starting battery voltage.

At 12.4V approx. the LED will switch off and the system is now isolated, the starting battery should continue to decrease in voltage and the AUX battery voltage will remain constant at 12.5V approx.

Switch the headlights off.

You can now test the remote override 'R' terminal. (Optional BLUE wire).

Simply EARTH the 'R' terminal (blue wire) to the body or NEG battery post and the LED should switch on and the isolator will join the batteries for start assist.

This BLUE wire is to only ever be connected to NEG (-).

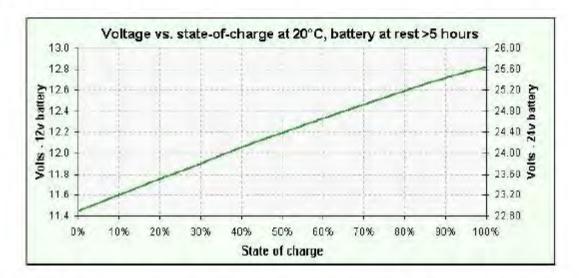
Warning! Connecting the blue remote wire to (+) will damage the isolator.

Notes: If the auxiliary battery is deeply discharged you may hear the isolator cycle or tick, this is normal and not a malfunction. Make sure to charge the battery fully to prevent cycling.

Optional remote LED and PUSH button switches are available; see isolator instructions on how to connect these options.

Battery Monitoring (OPTIONAL)

There are many battery voltmeters that can be used to monitor the status of the auxiliary battery. These devices simply connect to the battery and show the voltage. The graph below shows basic battery voltage in relation to state of charge.



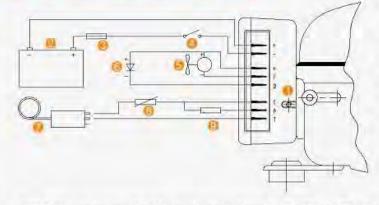
The DBi140-R dual battery monitor with status LED and LINK function is now available. These monitors will show voltage of the starting battery and the auxiliary battery. The LINK switch will activate the start assist function.



For further assistance, hi-res photos or technical help please send us an email.

12/24/48 Drect current Compressors

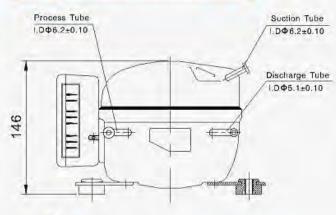
Compressor Wiring Diagram

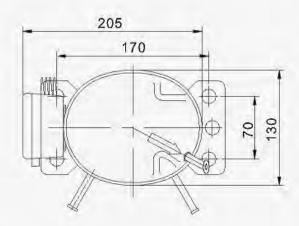


- 1. Controller
- 2. Battery
- 3. 20A fuse
- 4. Switching
- 5. 12V 0.18~0.23A DC Cooling Fan
- 6. LED (optional)
- 7. Thermostat
- 8. Resistor for presetting speed Resistor for presetting power (optional)
- 9. Resistor for presetting battery protection voltage (optional)

NOTE: You can put an adjustable resistance between the Pin "C" and "T" of the controller, so the output power will be adjusted. The relationship as follow

Compressor dimensions

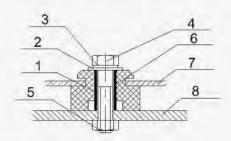






NOTE: Suction tube and process tube can't be exchanged!

The connection of the Compressor



- 1. Sleeve
- 2. Flat washer (not supplied)
- 3. Spring washer (not supplied)
- 4. M6 screw (not supplied)
- 5. Nut(not supplied)
- 6. Rubber grommet
- 7. Mounting feet
- 8. Cabinet floor

12/24V

Performance Date

		Model	Displace ment	Rotate Speed	-23 3C Ashrae				oil	Cooling					
Refrigeran Application															
	Cooling Capacity				Efficiency		sharge	Гуре	Certificale	Power Supply					
					COP EER										
			cm ²	rpm	W	Kcal/h	Btu/h	w/w	Btu/W.h	ml					
						2000	43	37	147	1.1	3.75				
R134a LBP	ODZIJARA	er ne	2500	53	46	181	1.1	3.75	150	FC	CE	12/24V(DC)			
	TBP	QDZH25G	5G 2.5	3000	63	54	213	1.1	3.75	150	PL	VDE VDE	12/24V(DC)		
					3500	73	63	249	1.1	3.75					

Test Conditions: Evap. Temp. : -23°C Suction Temp. : 32, 2°C

Amb. Temp. : 32, 2°C Subcooling Temp. : 32, 2°C

Cond. Temp. : 54. 4°C

Controller

- Controller overheating protection, when inside temperature of the controller is over 95°C, the current will disconnect, automatic resetting when the temperature lowering down.
- If outside extension, we suggest to use DC blower fan cool the condenser, the compressor and the controller.
 Protection signal of controller: flash frequency within 4s.
- Error type:1 time:fault of hardware,2 times:over-current,3 times:over-voltage,4 times:overload,5 times:temperature too high.
- Fault connecting of anode and cathode of voltage, compressor not run.

Voltage protection

Resistor protection KΩ	Rated voltage V	Voltage protection		
	12	9.6		
330	24	20.3		
е.	12	10.4		
5	24	22.9		

The max power and max rutation speed is optional

Set max output power

Max output power(W)	Regulationg speed resistor (Q)		
48	7000		
60	5300		
72	4200		
84	2500		
96	≤233		

Set max rotation speed

The speed of the moter	Regulationg speed resistor			
rpm	ΚΩ			
2000	13			
2500	9			
3000	5			
3500	2.33			