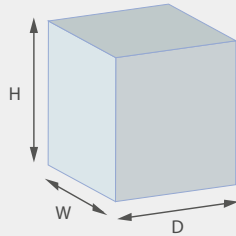


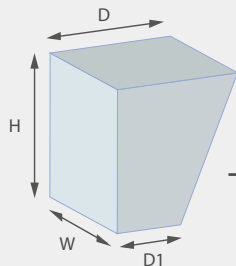
CHOOSE YOUR SYSTEM

1

CALCULATE THE VOLUME
OF YOUR FRIDGE OR FREEZER



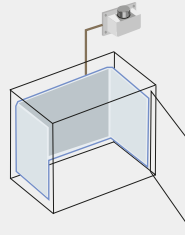
$$\text{VOLUME} = \frac{D \times W \times H}{1000}$$



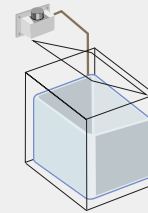
$$\text{VOLUME} = \frac{(D + D1 \div 2) \times W \times H}{1000}$$

2

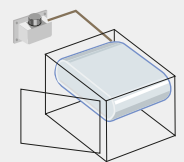
CHOOSE THE TYPE OF EVAPORATOR THAT
BEST SUITS YOUR FRIDGE OR FREEZER BOX



SERIES F
Ideal for top loading
fridges or freezers
(see page 7)



SERIES B & H
Ideal for fridges with
freezer compartments
or as a dedicated
freezer (see page 8)



SERIES H & B
Ideal for fridges with
freezer compartments
(see page 8)



3

SELECT YOUR COOLING UNIT ACCORDING TO WHERE IN THE WORLD YOU PLANTO SAIL



AIR COOLED

WATER COOLED
Keelcooled or
Pump water cooled

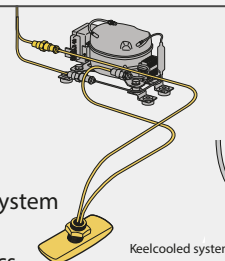
COOLING UNIT SELECTION EXPLAINED

WATER COOLED

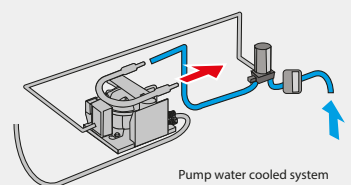
A water-cooled system is more efficient than an air cooled one because water dissipates heat far better than air.

Keelcooling is more efficient, reliable and quieter than a pump water cooled system as the only moving part required is the compressor.

Choose water cooling if you are planning to cruise the Mediterranean or Tropics.



Keelcooled system

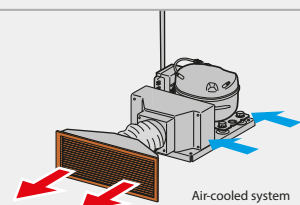


Pump water cooled system

AIR COOLED

An air-cooled system is less efficient than a water cooled system but is cheaper to buy and easier to install. To achieve maximum efficiency, the coolest available air source should be fanned across an aluminium fin condenser, and the heated air expelled away to a different area.

Choose air cooled for Northern European cruising.



Air-cooled system

EVAPORATOR SELECTION TIPS

It is important that the evaporator is sized correctly for the volume of the cold box.

FOR A FRIDGE

Too big and it will either cause condensation problems or freeze the contents of your fridge. Too small and it may not achieve temperature.

FOR A FREEZER

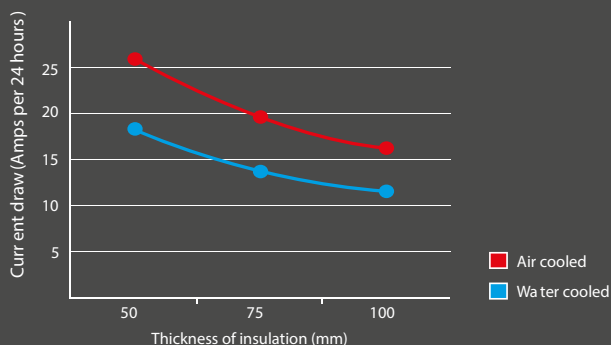
We recommend that you always fit the largest plate possible.

MINIMISING POWER CONSUMPTION

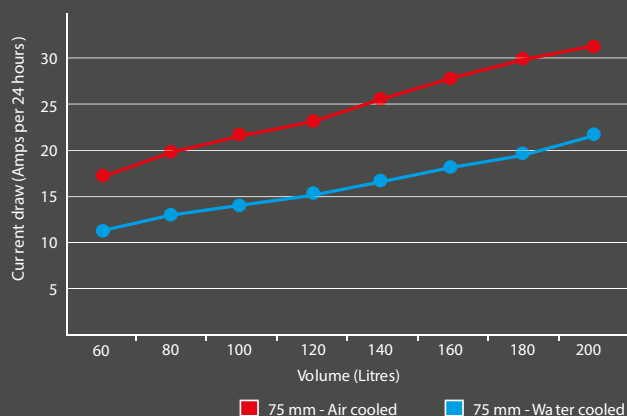
There are two key factors to lowering the power consumption of your fridge.

1. Maximise the insulation (graph 1)
Also make sure the box is well sealed and completely air tight. Good seals and no open drains.
2. Use the best condenser possible to remove the heat (graph 2)
Ideally water cooled, but if you opt for air insist on the best condenser possible.

Graph 1 - Typical power consumption for an 80 L fridge



Graph 2 - Average consumption by volume

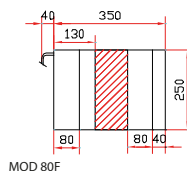


Please note data is from our experiences in average UK ambient conditions with a box temperature of 6 degrees Celsius.

EVAPORATORS - SERIES F

frigoboot®
MARINE REFRIGERATION

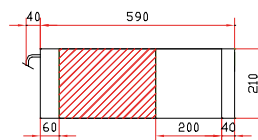
Flat (or plate) evaporators are ideal for top loading cold boxes that will be a dedicated refrigerator or freezer as they maximise both the access and the volume available. They can be bent (to a 25mm radius) to fit around the inside of the box. Supplied with 2.8m of pre-charged, copper refrigerant pipe as standard (pipe extensions are available from 1 to 6 meters).



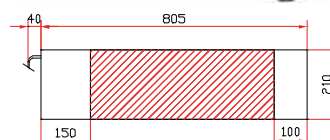
MOD 80F



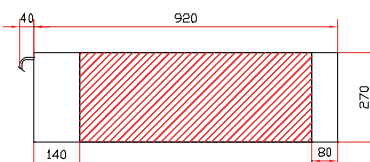
MOD 160F



MOD 130F



MOD 160F



MOD 200F



MOD 390F

Shading shows bending area

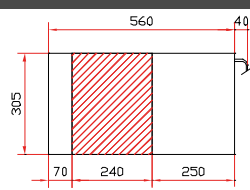
	FRIDGE MAX VOL (L)	FRIDGE RPM	FRIDGE COMPRESSOR	FREEZER MAX VOL (L)	FREEZER RPM	FREEZER COMPRESSOR
Mod 80F	80	2000	BD35	-	-	-
Mod 130F	160	2500	BD35	60	3000	BD35
Mod 160F	180	2500	BD35	70	3500	BD35
Mod 200F	300	3000	BD35/50	110	3500	BD50
Mod 380F	380	3500	BD50	120	3500	BD50

EVAPORATORS - SERIES F-INOX

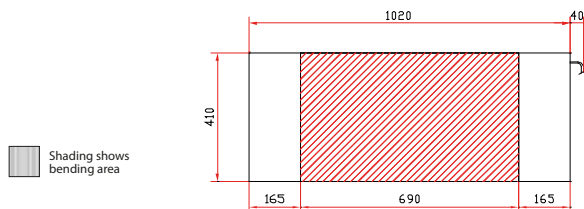
frigoboot®
MARINE REFRIGERATION



MOD 180 INOX



MOD 180 INOX



MOD 380 INOX

	FRIDGE MAX VOL (L)	FRIDGE RPM	FRIDGE COMPRESSOR	FREEZER MAX VOL (L)	FREEZER RPM	FREEZER COMPRESSOR
Mod 180 Inox	180	2500	BD35	70	3500	BD35
Mod 380 Inox	380	3500	BD50	120	3500	BD50

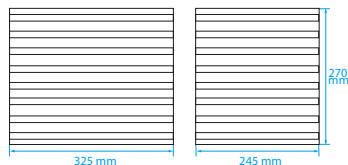
EVAPORATORS - SERIES B



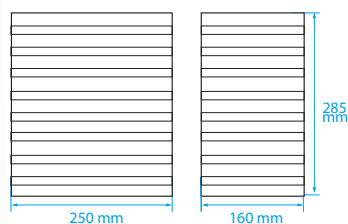
All B series evaporators can be used as a freezer compartment within a fridge or as a dedicated freezer. These freezer compartments can be mounted vertically or horizontally. The 340B has an optional lid when used horizontally. Supplied with 2.8m of pre-charged, copper refrigerant pipe as standard (pipe extensions are available from 1 to 6 meters).



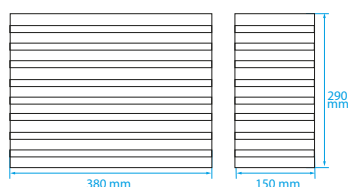
MOD 200B



MOD 250B



MOD 340B



	FRIDGE MAX VOL (L)	FRIDGE RPM	FRIDGE COMPRESSOR	FREEZER MAX VOL (L)	FREEZER RPM	FREEZER COMPRESSOR
Mod 200B	220	3000	BD35	100	3500	BD50
Mod 250B	250	3000	BD35	100	3500	BD50
Mod 340B	340	3500	BD35/50	100	3500	BD50

EVAPORATORS - SERIES H



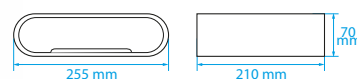
All H series evaporators can be used as a freezer compartment within a fridge. These freezer compartments can be mounted vertically or horizontally. They are all supplied with a lid when used horizontally. Supplied with 2.8m of pre-charged, copper refrigerant pipe as standard (pipe extensions are available from 1 to 6 meters).



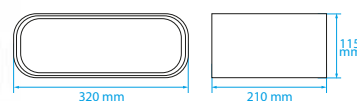
All series H evaporators can also be used as a freezer compartment within a fridge



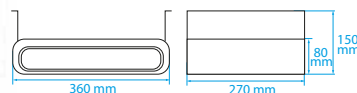
MOD 130H



MOD 160H



MOD 200H



	FRIDGE MAX VOL (L)	FRIDGE RPM	FRIDGE COMPRESSOR	FREEZER MAX VOL (L)	FREEZER RPM	FREEZER COMPRESSOR
Mod 130H	120	2500	BD35	50	3000	BD35
Mod 160H	160	3000	BD35	60	3000	BD35
Mod 200H	200	3000	BD35	80	3500	BD50



FRIDGE THERMOSTAT



FREEZER THERMOSTAT



DIGITAL THERMOSTAT



FULL RANGE THERMOSTAT



SPILL OVER FAN AND THERMOSTAT

THERMOSTATS

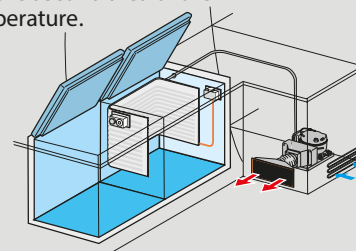
Our standard mechanical fridge or freezer thermostats allow precise temperature control. Alternatively a full range mechanical thermostat or a digital stat will allow you to set the temperature for either fridge or freezer in a correctly specified system.

Note:

We do not recommend economy devices as they cannot be used with freezers and cause large variations in temperature in your fridge affecting the life of your perishables. Instead focus on good insulation and selecting the best cooling unit you can, to make your refrigeration as power efficient as possible from the outset.

SPILL OVER

With the correct specification of evaporator and the design of your box you can build a spill over system. In this application one area is partitioned off with a barrier, and an evaporator installed that is controlled by a freezer thermostat. A hole is then cut into the barrier and a 'Spill-over Fan & Thermostat' installed that will keep the second area of the box at refrigerator temperature.



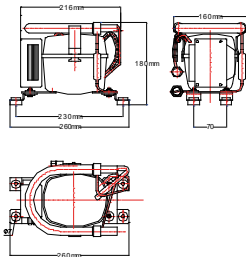
WATER COOLED COMPRESSORS



Pump water cooled compressors are ideal for steel or aluminium boats and for multiple refrigeration installations (see diagram below). 12/24v as standard with optional upgrade to run 12/24v 110/240v.



W35F / W50F



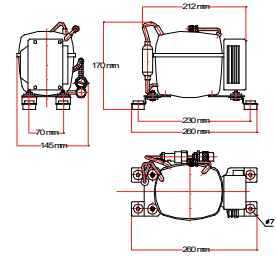
KEELCOOLED COMPRESSORS



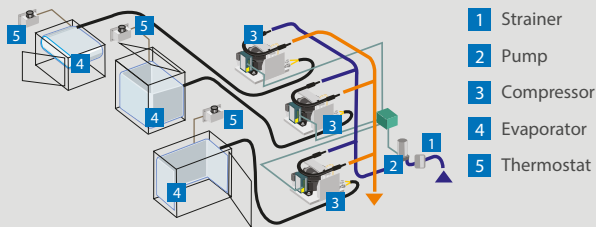
Using a Keelcooler is the most efficient method of water cooling your refrigeration because the condenser is fitted outside the boat removing the need for a water pump, making the only moving part in the system the compressor. This makes the Frigoboot keelcooled system the most efficient, reliable, & quietest of all.



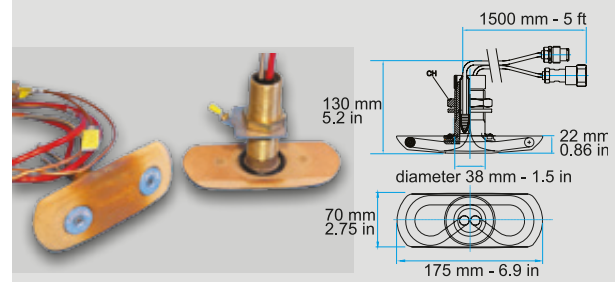
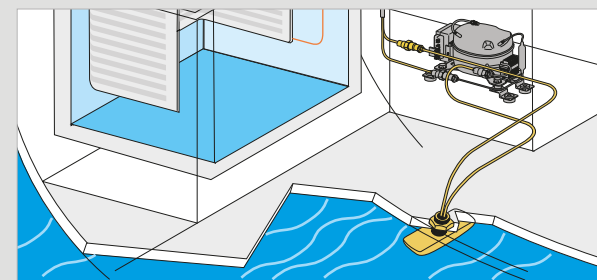
K35F / K50F



CONFIGURATION SHOWING MULTIPLE COMPRESSORS FROM A SINGLE PUMP



KEELCOOLER BONDED UNDERWATERLINE WITHIN 1.5M OF COMPRESSOR



	COMPRESSOR SPEED (RPM)	12V NOMINAL INPUT (A)	REFRIGERATOR MAX VOLUME (L)	FREEZER MAX VOLUME (L)	COMPRESSOR CAPACITY (BTU/H)	WEIGHT (KG)
W35F	2000	2.7	150	-	326	5.8
	2500	3.4	180	-	406	
	3000	3.8	250	80	471	
	3500	4.4	340	100	540	
W50F	2000	4.4	180	-	369	5.8
	2500	5.3	250	-	472	
	3000	6.2	340	80	560	
	3500	7.3	380	120	650	

	COMPRESSOR SPEED (RPM)	12V NOMINAL INPUT (A)	REFRIGERATOR MAX VOLUME (L)	FREEZER MAX VOLUME (L)	COMPRESSOR CAPACITY (BTU/H)	WEIGHT (KG)
K35F	2000	2.1	150	-	326	5.8
	2500	2.8	180	-	406	
	3000	3.2	250	80	471	
	3500	3.8	340	100	540	
K50F	2000	3.8	180	-	369	5.8
	2500	4.7	250	-	472	
	3000	5.6	340	80	560	
	3500	6.7	380	120	650	



HOLDING PLATES v EVAPORATORS

Holding plates contain re-freezeable fluid and are designed to be frozen down with a large, powerful compressor and condensing unit (originally engine driven) run just once or twice a day. Given the recent advances in DC compressors we no longer recommend holding plates over evaporator plates because holding plates are:

- Generally less efficient
- More expensive
- Heavier & bulkier - reducing volume
- Subject to more temperature variation
- Less effective with modern refrigerants

AIR COOLED COMPRESSORS

frigoboot®
MARINE REFRIGERATION

The Paris/Roma/Madrid are excellent cooling units with aluminium finned condensers cooled by a ducted fan. The clever duct design means that the fan size is reduced making the cooling unit both quieter and more power efficient. 12/24v as standard with optional upgrade to run 12/24v 110/240v.



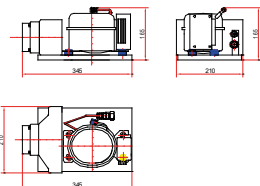
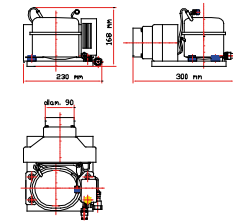
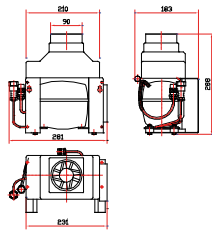
MADRID 35F



PARIS 35F



ROMA 35F

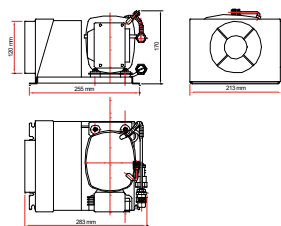


	COMPRESSOR SPEED (RPM)	12V NOMINAL INPUT (A)	REFRIGERATOR MAX VOLUME (L)	FREEZER MAX VOLUME (L)	COMPRESSOR CAPACITY (BTU/H)	WEIGHT (KG)
MADRID 35F	2000	2.3	100	-	225	6.0
PARIS 35F	2500	3.1	160	-	255	
ROMA 35F	3000	3.6	-	60	290	

The Capri is the most efficient air cooled unit on the market due to the large condenser and ducted fan. The Capri 35 is ideal for medium to large volume fridges, especially if exposed to high ambient temperatures (such as wet bar applications). The Capri 50 is the best choice air cooled unit for larger fridges and freezers from 30 to 120 litres. 12/24v as standard with optional upgrade to run 12/24v 110/240v.



CAPRI 35F / 50F



	COMPRESSOR SPEED (RPM)	12V NOMINAL INPUT (A)	REFRIGERATOR MAX VOLUME (L)	FREEZER MAX VOLUME (L)	COMPRESSOR CAPACITY (BTU/H)	WEIGHT (KG)
CAPRI 35F	2000	2.3	150	-	274	8.5
	2500	3.1	180	-	280	
	3000	3.6	250	60	325	
	3500	4.2	340	80	373	
CAPRI 50F	2000	4.0	180	-	326	8.5
	2500	4.9	250	-	410	
	3000	5.8	340	80	490	
	3500	6.9	380	120	565	

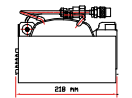
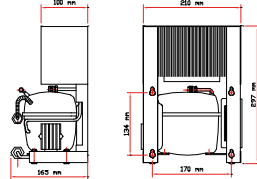
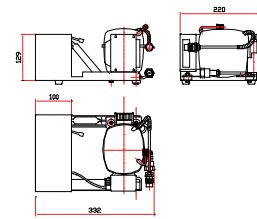
Standard fit on many production yachts including Jeanneau, Beneteau & Moody yachts, this range features larger condensers than the Paris/Roma/Madrid and is fitted with a Master Controller which automatically controls the compressor speed. 12/24v as standard with optional upgrade to run 12/24v 110/240v.



AH35F



AV35F

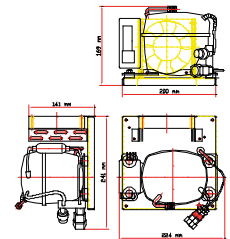


	COMPRESSOR SPEED (RPM)	12V NOMINAL INPUT (A)	REFRIGERATOR MAX VOLUME (L)	FREEZER MAX VOLUME (L)	COMPRESSOR CAPACITY (BTU/H)	WEIGHT (KG)
AH35F / AV35F	2000	2.3	150	-	274	6.3
	2500	3.1	180	-	311	
	3000	3.6	250	60	396	
	3500	4.2	340	80	454	

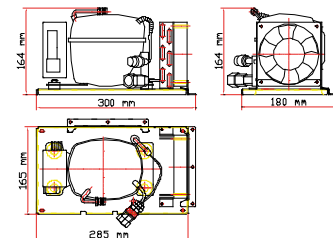
Base spec cooling units, the FM range has smaller, non ducted condensers. 12/24v as standard with optional upgrade to run 12/24v 110/240v.



FM100



FM200



	COMPRESSOR SPEED (RPM)	12V NOMINAL INPUT (A)	REFRIGERATOR MAX VOLUME (L)	FREEZER MAX VOLUME (L)	COMPRESSOR CAPACITY (BTU/H)	WEIGHT (KG)
FM100	2000	2.3	100	-	149	5.5
	2500	3.1	160	-	169	
FM200	2000	2.3	100	-	149	6.0
	2500	3.1	160	-	169	
	3000	3.6	200	60	211	
	3500	4.2	-	70	240	