

Technical data

Voltage	12 or 24 volt DC
Power consumption when compressor is running:	CR 42, 49 & 65: 2,5 - 2,7 A at 12 V (half at 24 V) CR 85 & 100: 3.8 - 4 A at 12 V CR 130: 4,7 - 5 A at 12 V CR 130 Drink: 5- 5,3 A at 12 V
Average consumption:	CR 42 & 49: 0,6 A at 12 V CR 65: 0,7 A at 12 V CR 85: 0,8 A at 12 V CR 100: 1,0 A at 12 V CR 130: 1,2 A at 12 V CR 130 Drink: 1,4 A at 12 V

Average consumption measured at +6°C/43°F in the refrigerator and 22°C/72°F ambient temperature. The average consumption is much dependent on the way the fridge is used and how well the ventilation is working.

Compressor:	Danfoss BD35F
Refrigerant:	R134a, filling amount is printed on the sticker inside the fridge.
Fuse:	15 A for 12 volt or 7,5 A for 24 volt respectively.



Isotherm refrigerators fulfil valid EMC directives and are CE-marked.

Fault finding

Fault	Possible cause	Action
Fridge not cold, compressor will not start.	No power supply. Battery in poor condition. Faulty thermostat. Faulty electronic unit.	Check that power is present at electronic unit. Check fuse. Check polarity on connectors and cables. Bridge the thermostat over T-C, see wiring diagram. If compressor starts, this indicates a faulty thermostat. If the compressor does not start, this indicates a faulty electronic unit or compressor. Contact an authorized service agent. A possible leak in the cooling system, contact an authorized service agent.
Compressor makes only short start attempts.	Bad power supply, too low voltage or voltage drop at start attempts. Discharged batteries.	Check cables, terminals and other connections, possible verdigris or corrosion, Clean. Charge batteries, run the engine or connect a battery charger. Voltage must be kept above 11.0 V at start attempts.
Compressor runs but no refrigeration generated.	Loss of refrigerant. Leakage in pipes or evaporator. Pipes blocked.	Pressure and leak test. Check for pipe damages. Repair possible leak, evacuate and re-fill refrigerant. (All this to be made by refrigeration specialist).
Compressor runs long time but not generating enough cold.	Bad ventilation. Condenser too warm. Cooling fan not working Too much frost on evaporator. Door not closing well. Condenser blocked by dust.	Improve ventilation for compressor. Re-place fan. Defrost. Check/adjust door position and door seal. Clean condenser.
Fuse blows.	Wrong fuse size. Faulty electronic unit.	Check fuse, 15 A-12 V / 7,5 A-24 V Exchange electronic unit.

If a complicated fault does occur, such as requiring specialist assistance, please contact Indel Webasto Marine S.r.l. Italy or your local marine distributor for advice.