

COOLING UNITS

Wall mounted "monoblock" units
for outdoor installations

Cold rooms

Process cooling

Distribution centers



Frigadon

Mini, Midi, Maxi & Megacool

Frigadon's "monoblock" selection encompasses high-quality, compact units which are manufactured in Sweden. The selection is standardised, but includes the possibility to add additional options in order to customise the units for special applications. The units are a perfect choice for restaurant kitchens, bakeries, distribution centres and more. Frigadon always pays special attention to the environment when choosing refrigerants and components. The units are equipped as standard with R-290, an environmentally friendly refrigerant

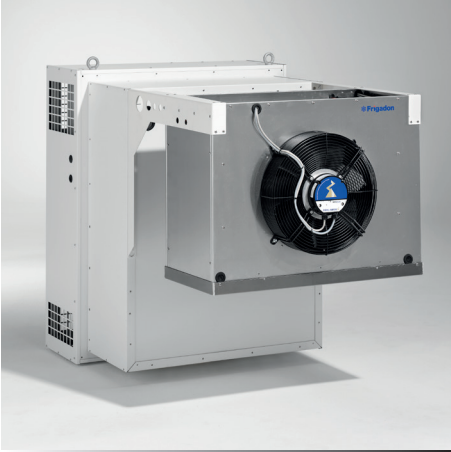
which meets all prospective environmental regulations. The units are available in the **Mini, Midi, Maxi** and **Mega** series options, with refrigerating capacities from 0.85 kW up to 13.3 kW. All units are tested prior to delivery at our test centre in order to ensure maximum energy efficiency and operational safety. The units can be fitted with numerous additional options prior to shipping such as the addition of a water chiller condenser, low temperature, split unit or with a special design for low noise emissions.

Mini-, Midi-, Maxi-, Megacool

Frigadon's compact refrigeration units consist of a machine part and an evaporator part which are interconnected forming a single compact unit. The units are completely operational upon delivery. It's just a matter of mounting them and connecting them to a power source. Simply choose the correct size based on the size of the room and temperature requirements. Note that when using the R-290 as a refrigerant, the minimum volume must be observed. See the relevant table concerning technical data.

Standard units are equipped with:

- Refrigerant, R-290
- Weatherproof and suitable for outdoor use in Nordic climates (ambient temperature -20°C to +32°C)
- Variable speed condenser fan (Minicool via pressure switch)
- Wall mounting
- Forced defrosting
- Automatic condensation evaporation
- Electronic thermostat
- External alarm device
- Thermostatically-regulated crankcase heater
- Complete with starting, operating and protection equipment
- Electrical cable for connection to an approved safety switch



Minicool

Midicool

Maxicool

Megacool

Choose a design to suit your needs:

Arctic design

Designation AR
Air-cooled condenser for operation in a surrounding air temperature of maximum -35°C.

Built-in electrical heating

Designation EV
For refrigeration units which need to maintain a constant room temperature, independent of the surrounding temperature. Output 1-15 kW.

Combo design

Designation KO
Refrigeration/freezing functions in the same unit.

Noise-reduction design

Designation LD
Reduces condenser noise emissions by circa 3 to 5 dB(A).

Tropical design

Designation T
Air-cooled condenser for operation in surrounding temperatures up to +45°C.

Water cooled condenser

Designation VK
Complete, mounted plate heat exchangers with pressure-controlled water-saving valve, alternatively adjustment valves.

Split unit

Used when several freezing units are connected to the same unit. Or in cases when the machine cannot be placed next to the freezing room.

Special unit

Other types of refrigerants / systems and other custom requirements are quoted individually upon request.

Technical data Ambient +30°C Ambient +32°C * At room temp + 2°C, forced defrost option requires
Room temp +2°C Room temp +4°C Room temp +2°C Room temp +4°C

Model	Cooling cap kW	Cooling cap kW	Cooling cap kW	Cooling cap kW	Voltage V	Fuse A	Power kW Max	Ref Charge gr	Hole Width mm	Hole Height mm	Max. Wall thickness mm	Weight kg	Suitable room volume at +4 m3	Min. room volume (evap. side) m3	Min. room volume (cond. side) m3
Minicool 5HC*	0,6	0,7	0,6	0,6	230	10	0,3	80	545	645	210	32	5		
Minicool 10HC*	1,4	1,5	1,3	1,4	230	10	0,6	100	545	645	210	45	8		
Minicool 20HC*	2,2	2,4	2,1	2,3	230	10	0,8	120	610	710	430	70	18		
Midicool 30HC	3,0	3,2	2,9	3,1	400	10	2,9	740	675	1020	300	135	46	32	93
Midicool 40HC	4,1	4,4	4,0	4,3	400	16	3,7	780	675	1020	300	140	70	34	98
Maxicool 50HC	5,0	5,4	4,9	5,3	400	16	3,8	1220	895	1110	400	230	100	53	153
Maxicool 70HC	7,4	8,0	7,2	7,8	400	16	5,8	1310	895	1110	400	240	120	57	164
Megacool 90HC	9,1	9,8	8,9	9,6	400	25	7,7	2180	1495	1210	400	380	230	95	273
Megacool 110HC	11,0	11,9	10,8	11,6	400	25	12,0	2390	1495	1210	400	390	330	104	299
Megacool 130HC	14,1	15,3	13,7	14,8	400	25	8,6	2500	1495	1210	400	400	430	109	313

Frigadon

Frigadon is a progressive company active in the development, construction and manufacturing of cooling systems for industrial and commercial use. We have thirty employees providing cooling expertise for various applications.

Frigadon has been on the market since 1977. The operation began with small "plug in" units for cold rooms. Today the most expansive market is water chillers and custom designed products supplied to the industry on an OEM-basis*. Since 2014 Frigadon has been a part of the Arneg Group.

Our customers are primarily refrigeration contractors and industries that purchase refrigeration for stores, industries, warehouses as well as OEM applications. Our customers are located in Scandinavia but also the rest of Europe, North America and Asia.

Our products are always manufactured for Swedish climates and meet all applicable governmental regulations.

*OEM stands for Original Equipment Manufacturer. It means that Frigadon manufactures other companies original products.

Read more at: www.frigadon.se



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