

FCO SERIE

WITH FREECOOLING A/C



Enclosure Cooler with Free-cooling

It controls the outside temperature and provides cooling by transferring air from out if it is cold. The A/C only works at high temperatures during the day. In this way, it offers a problem-free climate solution with minimum energy consumption.

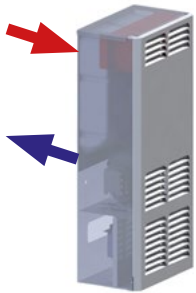
TECHNICAL DETAILS

	O-500-fco	O-1000-fco	O-3000-fco	O-4000-fco
Cooling Capacity (L35 / L35)	450 W	1000 W	2700 W	3700 W
Type Of Refrigerant	R134A R513A	R 134A R513A	R 134A R513A	R 134A R513A
Amount Of Refrigerant	290 gr 245 gr	380 gr 325 gr	670 gr 570 gr	950 gr 810 gr
Adjustability Range	15 °C...35 °C	15 °C...35 °C	15 °C...35 °C	15 °C...35 °C
Hysteresis	4 °C	4 °C	4 °C	4 °C
External Circuit	540 m³/h	540 m³/h	1175 m³/h	1425 m³/h
Internal Circuit	290 m³/h	540 m³/h	945 m³/h	945 m³/h
Rated Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Input Voltage	230 V	230 V	230 V	380 V - 415 V
Power Absorbed L35 L35	312 W	530 W	1300 W	1040 W
Current Cooling ON	1.6 A	2.4 A	5.7 A	2.6 A
Starting / High-Current (RLA / LRA)	2.3 A / 5.4 A	3.4 A / 13.5 A	6.2 A / 25.0 A	4.0 A / 13.0 A
Weight	20 kg	35 kg	56 kg	62 kg
Height x Width x Depth mm	535 x 325 x 205	750 X 350 X 230	1500 X 400 X 295	1500 X 450 X 295
Corrosion Protection (cover)	Painted Steel Ral-7035			
Orientation	Wall Mount	Wall Mount	Wall Mount	Wall Mount
System of Protection	IP 54	IP55 / IP65	IP55 / IP65	IP55 / IP65
Ambient Air Temperature	-20 °C ... +55 °C	-20 °C ... +55 °C	-20 °C ... +55	-20 °C ... +55 °C
Compressor	Secop	Danfoss-Secop	°C	Embraco
Fans	EbmPapst	EbmPapst	Embraco	EbmPapst
Communication Options	EtherNet/IP , ModBus TCP or RTU			
Mobile Control	GooglePlay - AppStore			

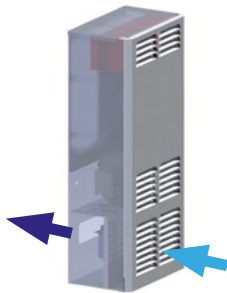
SAVING ENERGY

100% PERFORMANCE

- Internal Free-Cooling Fan
- Digital Smart Controller
- Low energy consumption
- Excellent results in all conditions



Status-1
Outside is hot, A/C is working..



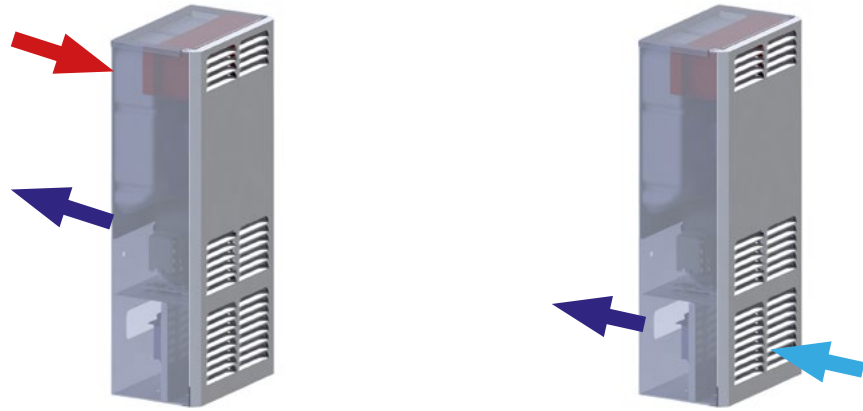
Status-2
Outside e is cold, Free Cooling fan is running.

FreeCooling

Featured Enclosure Cooler

Product Description

It controls the outdoor air temperature and provides cooling by transferring air if it is cold outside. The air conditioner only works at high temperatures during the day. In this way, it offers a problem-free air conditioning solution with minimum energy consumption.



Position-1
Ambient temperature is hot,
A/C is working.

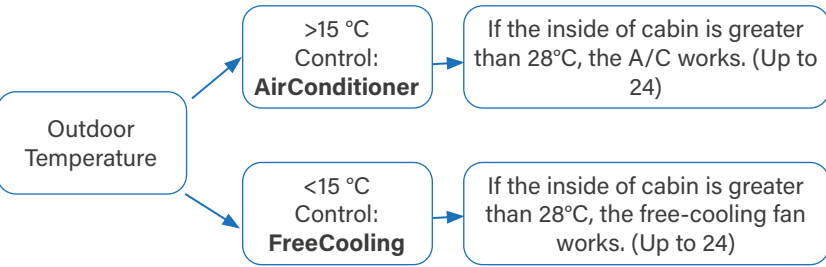
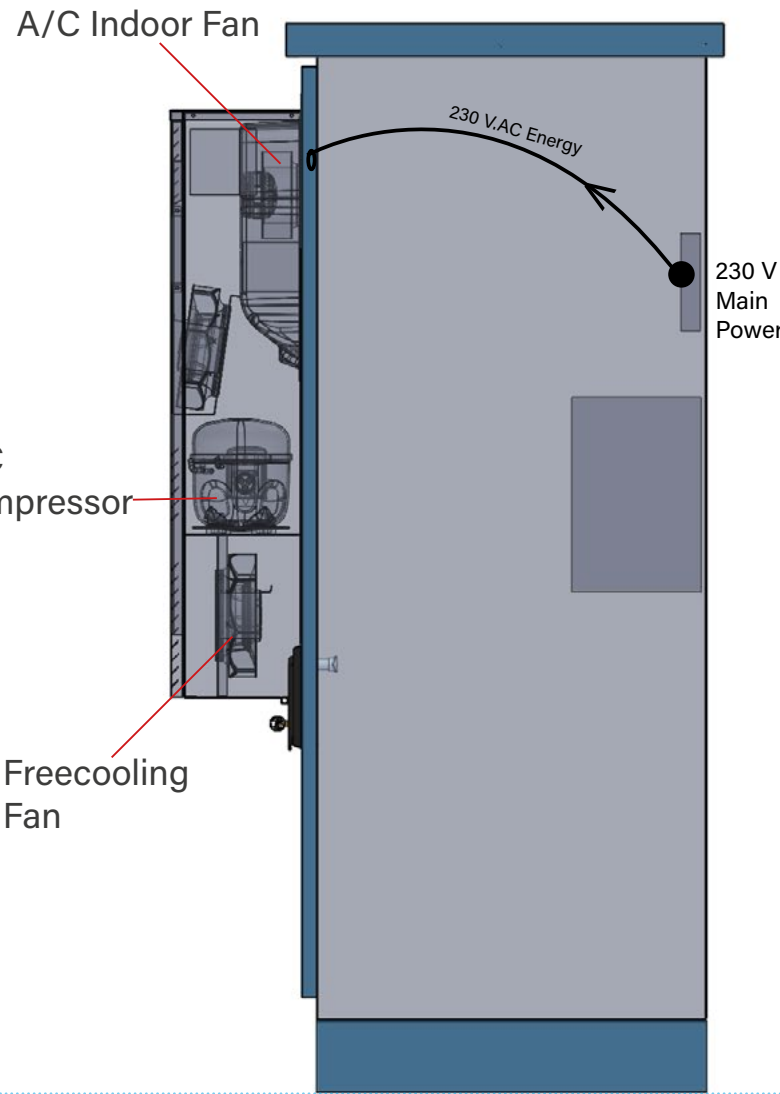
Position-2
Ambient temperature is cold,
Free Cooling fan is running.

Product Details

1. The unit will be powered by 220 V.AC.
2. The unit measures both the inside and outside temperature of the panel.
3. The freecooling fan operates when the outside temperature is lower than 18 °C and the inside temperature is higher than 27 °C. (Freecooling mode, up to 26 °C)
4. If the outside temperature is less than 18 °C but the inside temp is higher than 34 °C, the freecooling fan stops and the air conditioner starts. (Cooling mode)
5. If the outside temperature is higher than 18 °C and the inside temperature is lower than 26 °C, the freecooling fan and the A/C compressor will not run, only the A/C indoor fan will run.
6. If the external temperature is higher than 18 °C and the internal temperature is higher than 30 °C, the air conditioner compressor starts. (Cooling mode, up to 26 °C)

Display Settings

Working Mode : FreeCooling Mode (at Menu-2)
FC Set Value: 15 (at Menu-2)
A/C Set Value : 24 (at the main screen)



Note: If the cabinet continues to heat up and exceeds 32 °C while Free-cooling is on, the Free-Cooling Fan stops and the A/C starts.