
IA2 ES F & IL2 ES DEHUMIDIFIERS FOR PERMINANT INSTALLATION

ENERGY-EFFICIENT AND FLEXIBLE
ADSORPTION DEHUMIDIFIERS FOR
DEMANDING ENVIRONMENTS



ENERGY-EFFICIENT AND CONTROLLABLE DEHUMIDIFIERS

With the launch of the newly developed dehumidifiers IA2 ES F and IL2 ES, we have expanded our popular range of fixed installation equipment. These have been developed with flexible functions to control the humidity and climate in fixed dehumidification installations in an energy-efficient way. The dehumidifiers are manufactured in Bankeryd, Sweden, with a robust and smart design that gives a long service life, even in demanding environments.

DEVELOPED FOR DIFFERENT APPLICATIONS

Corroventa's products are based on almost 40 years of experience and are designed to work effectively and energy-efficiently for many years. Our range of dehumidifiers is adapted for both large and small tasks. IA2 ES F and IL2 ES are designed for dehumidification in fixed installation environments and can energy-efficiently control the humidity and climate in dry air warehouses, industrial premises and several other applications.

EASY SERVICING AND MAINTENANCE

Developing user-friendly products that are easy to service and maintain is something we always strive for at Corroventa. The IA2 ES F and IL2 ES are fitted with a service hatch that facilitates access to the electronics and the different components of the dehumidifiers, which allows onsite servicing. This feature saves the user both time and trouble. The dehumidifiers' filters are easily accessible and can be changed via filter hatches, without any tools.

IA2 ES F – SEPARATE AIR FLOWS

The IA2 ES F is a flexible and powerful adsorption dehumidifier with two separate air flows in the dehumidification process. This provides the flexibility to create different pressure conditions in the dehumidified space; for best performance and meet the requirements such as negative pressure, zero pressure or over pressure.

IL2 ES / IL2 ES P – FLEXIBLE INSTALLATION

Two different versions of the IL2 have been developed for environments where there is a need to evacuate moisture in the form of condensation. One version of the dehumidifier includes a pump (IL2 ES P) to pump away condensation to a rising height of up to 5 metres, alternatively there is another version without a pump where a hose is connected to the machine to route the condensation to a drain (IL2 ES). Approx. 350W of heat energy is given off during the condensing process at 20°C; 60% RH in the IL2 models and is an extra heat boost for the dehumidified room, which saves both energy and running costs for the property owner.

SAVE TIME, MONEY AND THE ENVIRONMENT WITH ES FUNCTIONS

The IA2 ES F and IL2 ES are designed with our valued ES functionality*, which provides generous opportunities to optimise the dehumidifier's operation, for example by controlling the desired Relative Humidity (RH), dew point temperature or water content (g/kg). The dehumidifiers are compatible with Digital Gateway for connection to building systems or with Corroventa's SuperVision® 2.0, which is used to control, measure and monitor dehumidification remotely from a computer, tablet or mobile phone. In this way, both the reliability and energy consumption can be optimised, resulting in a longer service life and reduced running costs for the property owner.



User-friendly service hatch that facilitates access to the dehumidifier's electronics and various components.



The IA2 ES F and IL2 ES are compatible with Corroventa's SuperVision® 2.0 control system.

*ES stands for Energy Saving. To optimise the drying effect, all machines in the ES series can co-operate with each other through SuperVision® 2.0.



POSSIBLE TO
CONNECT TO SUPER-
VISION 2.0 OR
DIGITAL GATEWAY



EASY TO SERVICE
AND MAINTAIN



CHASSIS MADE OF HIGH-
STRENGTH ALUMINUM
STEEL PLATE

REMOTE CONTROL

The user can control, measure and monitor the dehumidifier remotely using Super-Vision® 2.0. Also compatible with Digital Gateway for connection to building systems.

RUST PROTECTION

Equipped with a robust housing made of powder-coated Aluzinc, the dehumidifiers have good resistance to rust and can therefore withstand demanding environments. Corrosivity class 4.

ACCESS VIA HATCH

Facilitates access to the electronics and the various components of the dehumidifiers, which means that servicing and maintenance is easy to perform.

DUCT CONNECTION

Equipped with rubber sealed spigots for quick and tight duct connection.

OVERHEAT PROTECTION

Equipped with wet air overheat protection.

INTEGRATED RHT-SENSOR

Used to control dehumidification towards the desired climate and low energy consumption.

EXTERNAL SENSOR

Option to connect an external sensor to control dehumidification.

MID-APPROVED DIGITAL DISPLAY (ES-MODEL)

Menu for setting-up the machine and reading off the status of the drying process.



TECHNICAL DATA

Product name	IA2 ES F	IL2 ES	IL2 ES P
Capacity 20°C, 60% RH, l/day	16.8	13	13
ΔX-mode, 20°C, 60% RH, at 110/50*, g/kg	4.4	-	-
Nominal Dry air flow rate, m3/h	170	160	160
Available static pressure, Dry air flow, Pa	200	200	200
Maximum dry air flow, m3/h	250	230	230
Nominal wet air flow rate, m3/h	50	-	-
Available static pressure, Wet air flow rate, PA	150	-	-
Maximum wet air flow rate, m3/h	80	-	-
Heat output, W	1200	1200	1200
Power consumption, W	1400	1400	1400
Process air connector, mm	Ø 100	Ø 100	Ø 100
Dry air connector, mm	Ø 100	Ø 100	Ø 100
Wet air connector, mm	Ø 80	-	-
Regeneration connector, mm	Ø 80	-	-
Noise level (3 m) dB(A)**	45	60	60
Integrated RHT sensor	Yes	Yes	Yes
Temperature range	-20° - 40°C	0-30°C	0-30°C
Weight, kg	25.6	35.5	36
Size (L x W x H) mm	531x300x507	531x300x665	531x300x665
Article number	1005485	1005855	1003514

ACCESSORIES

ARTICLE NUMBER

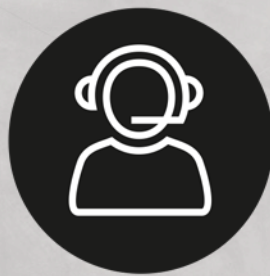
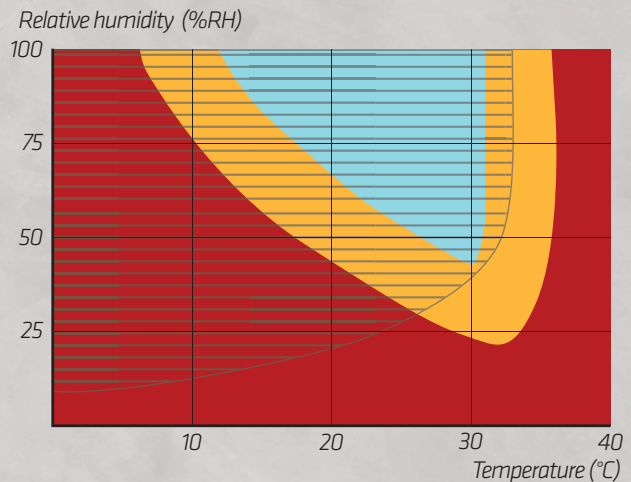
ACCESSORIES	ARTICLE NUMBER
External RHT-sensor	1003395
Digital Gateway	1003406
System cable, 0.5 m	1002749
System cable, 5 m	1002748
System cable fixed mounting 20 m	1005847
System cable fixed mounting 50 m	1005848
Wall mount	1005801
External control panel kit	1005812
Mounting kit IA2 ES F	1005844
Mounting kit IL2 ES	1005845
Mounting kit for control air intake from outside	1005846
Sensor tube external RHT sensor kit	1003476

*Dry air/wet air flow

**Varies depending on installation

CHOOSE THE RIGHT DEHUMIDIFIER

- **Adsorption dehumidifier** – superior performance in the red area. Also works in the yellow and blue area.
- **Adsorption dehumidifier with condenser** – dehumidifier combined with condenser. Works in the hatched area.
- **Condensing dehumidifier** – superior technology in the blue area. Does not work in the red area.
- **Transition zone**



DO YOU HAVE ANY QUESTIONS OR DO YOU NEED OUR SUPPORT?

Please visit www.corroventa.com or call us on +44 (0) 161-244 95 23 and speak to an expert. We have the knowledge and the equipment to find a solution as efficiently as possible.

Corroventa develops, manufactures, sells and hires out high quality products for dealing with water damage, moisture, odours and radon. We are one of the market leaders and specialise in innovation within the industry. Our products are compact, effective, ergonomic and energy efficient. In emergency situations and during flooding, Corroventa's customers have access to one of the largest rental parks in Europe. We have sales offices and machine depots in several locations throughout Europe. All our manufacturing takes place in Bankeryd, Sweden.

www.corroventa.com



Corroventa®

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