

WATER DAMAGE ADSORPTION DEHUMIDIFIERS

Our adsorption dehumidifiers have been the industry benchmark for drying results, energy efficiency and quality for a long time. With the ES series we also set new standards for intelligent control, user friendliness and flexibility.



ADSORPTION DEHUMIDIFIER A2 ES

Adsorption dehumidifier A2 ES has digital controls and is dimensioned for small and medium drying assignments. It has a dry air volume of up to 220 m³/h and a drying capacity of 17 l/day at 60% RH and 20°C.



Read more about the ES series and SuperVision® on pages 12-15.

As a member of the ES family, the A2 ES has a large number of integrated operating and control modes, which allows the drying effect to be optimised for the relevant drying assignment, at the same time as the machine retains a lower energy consumption than traditional adsorption dehumidifiers.

The machine is robust, stackable, compact and ergonomically designed, which facilitates the work for the moisture control technician and makes it easy to move between dehumidifying assignments. It is extremely quiet, which is a great advantage when used in residential environments for example.

Adsorption dehumidifier A2 ES works with all other ES machines and is prepared so that it can be monitored remotely with SuperVision®.

TECHNICAL DATA

Capacity 20°C, 60% RH	Up to 17 l/day
Built-in hygrostat	Yes
ΔX	Up to 5 g/kg
Dry air volume	Up to 220 m ³ /h
Dry air distribution	2 x ø50 + 1 x ø100 mm
Wet air	1 x ø80 mm
Noise level (3 m)	44-54 dB(A) ¹⁾
Connection	230 V / 50 Hz
Rated power	1 200 W
Real consumption at 20°C / 60% RH	1 000 W ²⁾
Weight	16 kg
Size (L x W x H)	415 x 295 x 430 mm
Article number	1002281

¹⁾ Depending on selected operating mode and installation.

²⁾ Operating mode Max Mode

ERGONOMIC DESIGN



The machines have an easy-grip handle and a narrow design in order to be carried closer to the body and only put minimal load on the back. Low weight makes it easier to carry them upstairs and rounded, soft rubber corners do not rub against legs.



SuperVision® is used to control, measure and monitor the drying process via a computer, mobile phone or tablet. Each SuperVision® module can monitor up to eight ES machines.

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ADSORPTION DEHUMIDIFIER A4 ES

Adsorption dehumidifier A4 ES has digital controls and is dimensioned for small and large drying assignments. It has a dry air volume of up to 350 m³/h and a drying capacity of 27 l/day at 60% RH and 20°C.



Read more about the ES series and SuperVision® on pages 12-15.

As a member of the ES family, the A4 ES has a large number of integrated operating and control modes, which allows the drying effect to be optimised for the relevant drying assignment, at the same time as the machine retains a lower energy consumption than traditional adsorption dehumidifiers.

The machine is robust, stackable, compact and ergonomically designed, which facilitates the work for the moisture control technician and makes it easy to move between dehumidifying assignments. It is extremely quiet, which is a great advantage when used in residential environments for example.

Adsorption dehumidifier A4 ES works with all other ES machines and is prepared so that it can be monitored remotely with SuperVision®.

TECHNICAL DATA

Capacity 20°C, 60% RH	Up to 27 l/day
Built-in hygostat	Yes
ΔX	Up to 5 g/kg
Dry air volume	Up to 350 m ³ /h
Dry air distribution	2 x ø50 + 2 x ø100 mm
Wet air	1 x ø80 mm
Noise level (3 m)	44-54 dB(A) ¹⁾
Connection	230V / 50 Hz
Rated power	1 500 W
Real consumption at 20°C / 60% RH	1 300 W ²⁾
Weight	18 kg
Size (L x W x H)	475 x 295 x 430 mm
Article number	1002760

¹⁾ Depending on selected operating mode and installation.

²⁾ Operating mode Max Mode

ERGONOMIC DESIGN



The machines have an easy-grip handle and a narrow design in order to be carried closer to the body and only put minimal load on the back. Low weight makes it easier to carry them upstairs and rounded, soft rubber corners do not rub against legs.



SuperVision® is used to control, measure and monitor the drying process via a computer, mobile phone or tablet. Each SuperVision® module can monitor up to eight ES machines.

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ADSORPTION DEHUMIDIFIER A4 ES X

Adsorption dehumidifier A4 X, is the largest model in the ES range. It has digital controls and is equipped with an additional heater. It is dimensioned to be able to be used for both large and small dehumidifying tasks. It has a dry air volume of up to 350 m³/h and a drying capacity of 27 l/day at 60% RH and 20°C.



Read more about the ES series and SuperVision® on pages 12-15.

As a member of the ES family, the A4 ES X has a large number of integrated operating and control modes, which allows the drying effect to be optimised at the same time as the machine retains a lower energy consumption than traditional adsorption dehumidifiers.

The machine is robust, stackable, compact and ergonomically designed, which facilitates the work for the moisture control technician and makes it easy to move between dehumidifying assignments. It is extremely quiet, which is a great advantage when used in residential environments for example.

Adsorption dehumidifier A4 ES X works with all other ES machines and is prepared so that it can be monitored remotely with SuperVision®.

TECHNICAL DATA

Capacity 20°C, 60% RH	Up to 27 l/day
Built-in hygrostat	Yes
ΔX	Up to 5 g/kg
Dry air volume	Up to 350 m ³ /h
Dry air distribution	2 x Ø50 + 2 x Ø100 mm
Wet air	1 x Ø80 mm
Noise level (3 m)	44-54 dB(A) ¹⁾
Connection	230V / 50 Hz
Rated power	1500 W
Rated power w. additional heater	2,500 W
Real consumption at 20°C / 60% RH	1 300 W ²⁾
Weight	18 kg
Size (L x W x H)	475 x 295 x 430 mm
Article number	1002186

¹⁾ Depending on selected operating mode and installation.

²⁾ Operating mode Max Mode

ERGONOMIC DESIGN



The machines have an easy-grip handle and a narrow design in order to be carried closer to the body and only put minimal load on the back. Low weight makes it easier to carry them upstairs and rounded, soft rubber corners do not rub against legs.



SuperVision® is used to control, measure and monitor the drying process via a computer, mobile phone or tablet. Each SuperVision® module can monitor up to eight ES machines.

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ANALOGUE OR DIGITAL

CORROVENTA'S ADSORPTION DEHUMIDIFIERS ARE AVAILABLE IN BOTH DIGITAL AND ANALOGUE VERSIONS WITH STRONG ADVANTAGES IN COMMON; THEY ARE POWERFUL AND ROBUST, COMPACT AND USER-FRIENDLY, AND OFFER TOP CLASS PERFORMANCE. QUITE SIMPLY, THEY ARE BUILT FOR PROFESSIONALS.

ADSORPTION DEHUMIDIFIER A1

A1 is Corroventa's smallest adsorption dehumidifier. It has a dry air volume of up to 140 m³/h and a drying capacity of 9 l/day at 60% RH and 20°C.



A1 is, like all Corroventa machines, a robust dehumidifier that can withstand tough environments. It is a simpler, compact and lightweight option that makes it easy to transport and handle. It is equipped with a multi-speed fan for optimal distribution of dry air. The dehumidifier is also equipped with hygrostat for energy efficient use, as well as an MID approved kWh meter.

TECHNICAL DATA

Capacity 20°C, 60% RH	Up to 9/6 l/day ²⁾
Dry air volume	Up to 140/100 m ³ /h ²⁾
Dry air distribution	1 x ø100 mm
Wet air	1 x ø50 mm
Noise level (3 m)	48/42 dB(A) ¹⁾
Connection	230 V / 50 Hz
Rated power	600 W
Real consumption at 20°C / 60% RH	550/400 W ²⁾
Weight	8.5 kg
Size (LxWxH)	310 x 253 x 287 mm
Article number	1003969

¹⁾ Depending on selected operating mode and installation.

²⁾ High/low speed

EASY MAINTENANCE



The dehumidifier is designed for easy cleaning and maintenance. The majority of the electronics are in the cover, which can be easily removed.



Shoulder straps are available as accessories to make transportation easier.

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Dry air hose Ø 102mm (9910141)	page 87
Shoulder strap, black, 2m (1004503)	see above
Hygrostat HR1-5 (9901100)	page 80
Hose Ø 51 mm (9910721)	page 86
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ADSORPTION DEHUMIDIFIER A2

Adsorption dehumidifier A2 has analogue controls and is dimensioned for small and medium drying assignments. It has a dry air volume of up to 220 m³/h and a drying capacity of 16 l/day at 60% RH and 20°C.



Adsorption dehumidifier A2 has analogue controls and is the optimum choice when manual control is necessary. The machine is robust, stackable, compact and ergonomically designed, which facilitates the work for the moisture control technician and makes it easy to move between dehumidifying assignments. It is extremely quiet, which is a great advantage when used in residential environments for example.

TECHNICAL DATA

Capacity 20°C, 60% RH	Up to 16/12 l/day ²⁾
Dry air volume	Up to 220/170 m ³ /h ²⁾
Dry air distribution	2 x ø50 + 1 x ø100 mm
Wet air	1 x ø80 mm
Noise level (3 m)	50-55 dB(A) ¹⁾
Connection	230 V / 50 Hz
Rated power	1,250 W
Real consumption at 20°C / 60% RH	850/1 100 W ²⁾
Weight	16 kg
Size (L x W x H)	415 x 295 x 430 mm
Article number	1003676

¹⁾ Depending on selected operating mode and installation.

²⁾ High/low speed

ERGONOMIC DESIGN



The machines have an easy-grip handle and a narrow design in order to be carried closer to the body and only put minimal load on the back. Low weight makes it easier to carry them upstairs and rounded, soft rubber corners do not rub against legs.

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ADSORPTION DEHUMIDIFIER A4

Adsorption dehumidifier A4 has analogue controls and is dimensioned for small and large drying assignments. It has a dry air volume of up to 330 m³/h and a drying capacity of 25 l/day at 60% RH and 20°C.



Adsorption dehumidifier A4 has analogue controls and is the optimum choice when manual control is necessary. The machine is robust, stackable, compact and ergonomically designed, which facilitates the work for the moisture control technician and makes it easy to move between dehumidifying assignments. It is extremely quiet, which is a great advantage when used in residential environments for example.

TECHNICAL DATA

Capacity 20°C, 60% RH	Up to 25/17 l/day ²⁾
Dry air volume	Up to 330/210 m ³ /h ²⁾
Dry air distribution	2 x ø50 + 2 x ø100 mm
Wet air	1 x ø80 mm
Noise level (3 m)	50-55 dB(A) ¹⁾
Connection	230 V / 50 Hz
Rated power	1,550 W
Real consumption at 20°C / 60% RH	1 100/1 350 W ²⁾
Weight	18 kg
Size (L x W x H)	475 x 295 x 430 mm
Article number	1003677

¹⁾ Depending on selected operating mode and installation.

²⁾ High/low speed

ERGONOMIC DESIGN



The machines have an easy-grip handle and a narrow design in order to be carried closer to the body and only put minimal load on the back. Low weight makes it easier to carry them upstairs and rounded, soft rubber corners do not rub against legs.

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ADSORPTION DEHUMIDIFIER A50 TD2

Highly efficient mobile adsorption dehumidifier for large and demanding work. Ideal for the dehumidification of large new builds, as well as renovations or emergency action in connection with fires and floods.



A50 TD2 has a dry air flow of up to 4300 m³/h and is equipped with additional heater. It is very user-friendly and contains all the necessary equipment for large drying jobs. The machine can be located both indoors and outdoors.

- ▶ Ideal for large, demanding drying jobs and building dehumidification.
- ▶ Can be lifted by a forklift truck or crane.
- ▶ Simple start-up, operation and monitoring. Controlled and maintained via touch panel.
- ▶ Energy efficient: Recovers 85 percent of the heat through patented technology.
- ▶ High capacity – up to 450 l/day.
- ▶ A B-class driving licence is required to transport the machine.

TECHNICAL DATA

Connection 3-phase drying	400 V 32 A
Connection 3-phase additional heater (if necessary)	400 V 32 A
Rated power	17.5 kW
Rated power additional heater (if necessary)	12.0 kW
Maximum airflow	4,300 m ³ /h
Capacity (20°C, 80% RH)	450 l/day
Dimensions (L x W x H)	410 x 200 x 190 cm
Weight	1,090 kg
Article number	9905555

HIGH EFFICIENCY AND FULLY EQUIPPED



Adsorption dehumidifier A50 TD2 is suitable for large new buildings or major water damage. It is very user-friendly and contains all the necessary equipment for large drying jobs.

DRYING TECHNIQUES



A50 TD2 recovers 85 percent of the heat, thanks to the patented technology. The machine can be located both indoors and outdoors.

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ADSORPTION DEHUMIDIFIER CTR 10 000

Highly efficient mobile adsorption dehumidifier for large and demanding work. On a trailer, this CTR dryer is always ready for rapid deployment wherever the catastrophe has occurred.



- ▶ Ideal for large, demanding drying jobs and building dehumidification.
- ▶ 10,000 m³/h dry air, capacity 875 l/day.
- ▶ The dryer can be lifted by a forklift truck or crane.

TECHNICAL DATA

Connection	3 ~ 400 V 63 A
Rated power	36.2 kW
Dry air - one fan	5,000 m³/h 2.2 kW
Dry air - two fans	10,000 m³/h 4.4 kW
Reg-air	1,800 m³/h 0.75 kW
Reg-output - 1 heater	15.5 kW
Reg-output - 2 heaters	31.0 kW
Capacity +20°C, 80% RH	875 l/day
Weight	1,080 kg
Weight with trailer	1,560 kg
Size with trailer (L x W x H)	485 x 233 x 220 cm
Size (L x W x H)	300 x 170 x 180 cm
Article number	9905000

HIGH EFFICIENCY AND FULLY EQUIPPED



Major costs can be avoided if the drying process is started quickly and in an effective way. Adsorption dehumidifier CTR 10000 is suitable for large new buildings or major water damage. On a trailer it is always ready for rapid deployment.

DRYING TECHNIQUES



CTR 10000 is extremely user-friendly and contains all the necessary equipment for large drying jobs. The machine can be located both indoors and outdoors. (The image shows A50 TD2)

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WATER DAMAGE **ADSORPTION DEHUMIDIFIER WITH BUILT-IN CONDENSER**

Corroventa's series L4 is the new generation of adsorption dehumidifier with condenser technology. Dehumidification takes place in the same way as in a normal adsorption dehumidifier, but instead of the wet air being evacuated, it is cooled down so that it condenses and the water can be pumped out.



ADSORPTION DEHUMIDIFIER L4 ES HP

L4 ES HP has digital control. The machine automatically pumps out the condensation water, to a maximum pump height of 5 metres. It also dehumidifies at low temperatures and supplies additional heat during operation, despite a low energy consumption of only 1.3 kW. L4 ES HP has a capacity of 12 l/day at 20°C and 60% RH.



Read more about the ES series and SuperVision® on pages 12-15.

As a member of the ES family, the L4 ES HP has a large number of integrated operating and control modes, which allows the drying effect to be optimised for the relevant drying assignment. The machine is robust, stackable, compact and ergonomically designed, which facilitates the work for the moisture control technician and makes it easy to move between dehumidifying assignments. It is extremely quiet, which is a great advantage when used in residential environments for example. Adsorption dehumidifier L4 ES HP works with all other ES machines and is prepared so that it can be monitored remotely with SuperVision®. L4 is equipped with a cooling air connector that can be used to create a negative pressure in the dried space, if this is desirable to reduce the spread of dust and dirt to other parts of the building. Using the cooling air, which is also filtered in the machine, for this purpose is both easy and energy efficient.

TECHNICAL DATA

Capacity 20°C, 60% RH	12 l/day
Built-in hygrostat	Yes
Air Volume	480m³/h
Cooled air	100 m³/h
Dry air volume	Up to 380 m³/h
Dry air distribution	2 x ø50 + 2 x ø100 mm
Noise level Max/ECO dB (A) (3m)	approx. 50-58 dB(A) ¹⁾
Connection	230V / 50 Hz
Rated power	1,300 W
Temperature range	0°C - 30°C
Weight	23.5 kg
Size (L x W x H)	550 x 295 x 495 mm
Article number	1004188

¹⁾ Depending on selected operating mode and installation.

ERGONOMIC DESIGN



The machines have an easy-grip handle and a narrow design in order to be carried closer to the body and only put minimal load on the back. Low weight makes it easier to carry them upstairs and rounded, soft rubber corners do not rub against legs.



SuperVision® is used to control, measure and monitor the drying process via a computer, mobile phone or tablet. Each SuperVision® module can monitor up to eight ES machines.

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ADSORPTION DEHUMIDIFIER L4 ES HPW

L4 ES HPW has digital control. The machine automatically pumps out the condensation water, to a maximum pump height of 5 metres. It also dehumidifies at low temperatures and supplies additional heat during operation, despite a low energy consumption of only 1.3 kW. L4 ES HPW has a capacity of 12 l/day.



Read more about the ES series and SuperVision® on pages 12-15.

As a member of the ES family, the L4 ES HPW has a large number of integrated operating and control modes, which allows the drying effect to be optimised for the relevant drying assignment. The machine is robust, stackable, compact and ergonomically designed. It is also equipped with wheels and a pull handle, which facilitates the work for the moisture control technician and makes it easy to move between dehumidifying assignments. It is extremely quiet, which is a great advantage when used in residential environments for example. Adsorption dehumidifier L4 ES HPW works with all other ES machines and is prepared so that it can be monitored remotely with SuperVision®. L4 is equipped with a cooling air connector that can be used to create a negative pressure in the dried space, if this is desirable to reduce the spread of dust and dirt to other parts of the building. Using the cooling air, which is also filtered in the machine, for this purpose is both easy and energy efficient.

TECHNICAL DATA

Capacity 20°C, 60% RH	12 l/day
Built-in hygrostat	Yes
Air Volume	480m³/h
Dry air volume	Up to 380 m³/h
Dry air distribution	2 x Ø50 + 2 x Ø100 mm
Wheels	Ø 200 mm
Noise level Max/ECO dB (A) (3m)	approx. 50-58 dB(A) ¹⁾
Connection	230V / 50 Hz
Rated power	1,300 W
Temperature range	0°C - 30°C
Weight	30 kg
Size (L x W x H)	620 x 440 x 495 mm
Article number	1004161

¹⁾ Depending on selected operating mode and installation.

ERGONOMIC DESIGN



The machines have an easy-grip handle and a narrow design in order to be carried closer to the body and only put minimal load on the back. Rounded, soft rubber corners that do not rub against your legs as you carry the machine.



SuperVision® is used to control, measure and monitor the drying process via a computer, mobile phone or tablet. Each SuperVision® module can monitor up to eight ES machines.

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ADSORPTION DEHUMIDIFIER L4 HP

Adsorption dehumidifier L4 HP has analogue control. The machine automatically pumps out the condensation water, to a maximum pump height of 5 metres. It also dehumidifies at low temperatures and supplies additional heat during operation, despite a low energy consumption of only 1.3 kW. L4 HP has a capacity of 12 l/day.



Adsorption dehumidifier L4 HP has analogue controls and is the optimum choice when manual control is necessary. The machine is robust, stackable, compact and ergonomically designed, which facilitates the work for the moisture control technician and makes it easy to move between dehumidifying assignments.

ADVANTAGES OF L4 HP

- Water is removed via condensation and pumped out – no evacuation of the wet air is required
- Ideal for creating negative pressure during pressure drying when the negative pressure capacity is approx. 100 m³/h and connector diameter is 2 x ø50 + 2 x ø100 mm.
- Dry and hot air as well as extra additional heat from the condensation process

TECHNICAL DATA

Capacity 20°C, 60% RH	12 l/day
Air Volume	480m ³ /h
Dry air volume	Up to 380 m ³ /h
Dry air distribution	2 x ø50 + 2 x ø100 mm
Noise level Max/ECO dB (A) (3m)	approx. 50-58 dB(A) ¹⁾
Connection	230V / 50 Hz
Rated power	1,300 W
Temperature range	0°C - 30°C
Weight	23.5 kg
Size (L x W x H)	550x295x495 mm
Article number	1004161

¹⁾ Depending on selected operating mode and installation.

ERGONOMIC DESIGN



The machines have an easy-grip handle and a narrow design in order to be carried closer to the body and only put minimal load on the back. Low weight makes it easier to carry them upstairs and rounded, soft rubber corners do not rub against legs.

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ADSORPTION DEHUMIDIFIER L4 HPW

Adsorption dehumidifier L4 HPW has analogue control. The machine automatically pumps out the condensation water, to a maximum pump height of 5 metres. It also dehumidifies at low temperatures and supplies additional heat during operation, despite a low energy consumption of only 1.3 kW. L4 HPW has a capacity of 12 l/day.



Adsorption dehumidifier L4 HPW has analogue controls and is the optimum choice when manual control is necessary. The machine is robust, stackable, compact and ergonomically designed. It is also equipped with wheels and a pull handle, which facilitates the work for the moisture control technician and makes it easy to move between dehumidifying assignments.

ADVANTAGES OF L4 HPW

- Water is removed via condensation and pumped out – no evacuation of the wet air is required
- Ideal for creating negative pressure during pressure drying when the negative pressure capacity is approx. 100 m³/h and connector diameter is 2 x Ø50 + 2 x Ø100 mm.
- Dry and hot air as well as extra additional heat from the condensation process

TECHNICAL DATA

Capacity 20°C, 60% RH	12 l/day
Air Volume	480m ³ /h
Dry air volume	Up to 380 m ³ /h
Dry air distribution	2 x Ø50 + 2 x Ø100 mm
Wheels	Ø200
Noise level Max/ECO dB (A) (3m)	approx. 50-58 dB(A) ¹⁾
Connection	230V / 50 Hz
Rated power	1,300 W
Temperature range	0°C - 30°C
Weight	30 kg
Size (L x W x H)	620 x 440 x 495 mm
Article number	1004179

¹⁾ Depending on selected operating mode and installation.

ERGONOMIC DESIGN



The machines have an easy-grip handle and a narrow design in order to be carried closer to the body and only put minimal load on the back. Rounded, soft rubber corners that do not rub against your legs as you carry the machine.



The folding handle on L4 HPW and L4 ES HPW makes it possible for two people to carry the machine easily and also acts as protection for the display and gauge.

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CAN BE COMBINED WITH

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A2	page 26
A4	page 27
T2	page 46
AX3000	page 56
HP 2000XT	page 57



CLEVER DETAILS #1

EASY-GRIP HANDLE AND A NARROW DESIGN IN ORDER BE CARRIED CLOSER TO THE BODY AND ONLY PUT MINIMAL LOAD ON THE BACK.