MUNTERS PRODUCT INFORMATION

ML Series Desiccant Dehumidifier

Complete Dehumidification Package

ML1100

High Efficiency and Reliability

- Desiccant dehumidification – high efficiency, even below 0° C
- Advanced rotor technology – high capacity with economic operating costs
- Internally sealed rotor unit – dehumidifies to low dewpoints
- Hard plastic rotor casing – corrosion resistant construction
- Efficiently designed electrical system – enhanced reliability

Easy Installation and Operation

- Advanced control panel – diagnostic fault display eases maintenance
- Remote display and automatic control – increases installation flexibility
- Humidistat control – optional control of complete unit or reactivation heater only
- Easily removed access panels – fast installation and service
- Replaceable EU3 filter – enhances air quality
- Unit requires minimal floor area – allows installation in confined spaces
- Duct connections conform to ISO 7807 standards – simplifies air duct installation
- Interchangeable front and back panels – optional dry air installation

Product Description

The ML1100 desiccant dehumidifier is designed to efficiently dehumidify in low moisture applications. It is equipped with an internally sealed rotor unit. The rotor casing is constructed of durable thermoset plastic and contains isolated sections that provide a precise balance for dehumidification, reactivation, and heat recovery airflows. Its rugged formed metal frame and access panels are produced from corrosion resistant ALUZINK®.

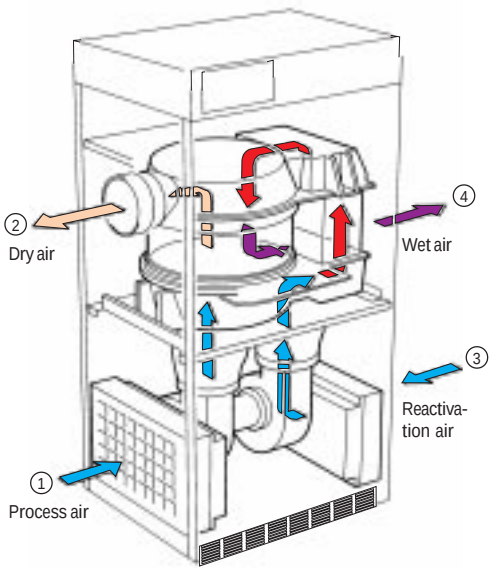
The electrical control system conforms to EN 60204 (IEC204) standards. The electrical components are mounted on busbars and are constructed of halogen-free plastic. The electrical system is designed for up to 690V and 60° C.

ML Series dehumidifiers conform to both armonised European Standards and to CE marking specifications.

Munters Rotor Technology

The desiccant rotor is manufactured from a corrugated composite material that is highly effective at attracting and holding water vapour. Every Munters dehumidifier applies a unique rotor technology. Airflows, air conditions, rotor sections, and rotor rotation speeds are optimised for specific applications. An innovative control system maximises the units energy efficiency.

A characteristic of the ML Series rotor technology is an extra rotor sector which provides high capacity, while simultaneously recovering heat, thereby effectively reducing the electrical power requirement.

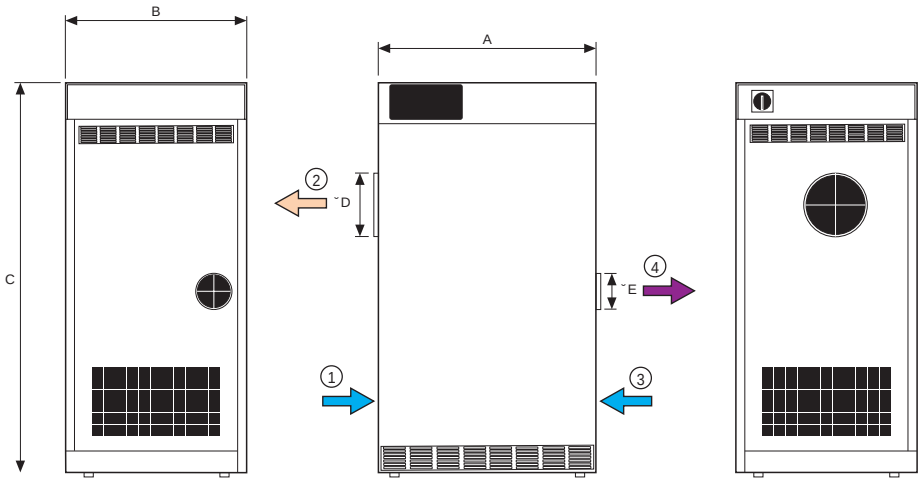


Munters

Model ML1100

Diagram measurements are for reference only.

Scaled and dimensioned AutoCAD drawings are available in Munters' DryCap program.

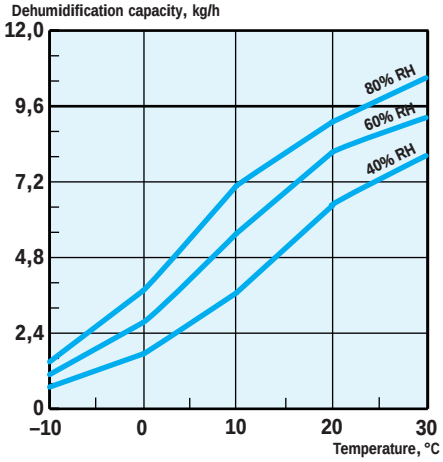


Width (A)	Depth (B)	Height (C)	Diam. (D)	Diam. (E)	Weight
715 mm	590 mm	1452 mm	250 mm	160 mm	153 kg

Dehumidification capacity

Approximate capacity in kg/h.
For more detailed information, please contact your nearest Munters location or refer to Munters' DryCap program.

1. Process air temperature, ºC
2. Process air relative humidity, % RH
3. Dehumidification capacity, kg/h moisture removal kg/hour)



Technical Specifications

Process air[1]

Rated airflow (m³/s)	0,305
Rated airflow (m³/h)	1100
Available static pressure (Pa)	300
Fan motor power (kW)	1,1

Reactivation air[1]

Rated airflow (m³/s)	0,113
Nominal airflow (m³/h)	408
Available static pressure (Pa)	300
Fan motor power (kW)	0,55

Total power, voltage and current (amps/phase)

Total power (kW)	12,75
200V 3~50Hz (A)	39,5
200V 3~60Hz (A)	–
220V 3~50Hz (A)	–
230V 3~50Hz (A)	34,4
380V 3~50Hz (A)	20,8
400V 3~50Hz (A)	19,8
415V 3~50Hz (A)	19,1
440V 3~60Hz (A)	18,0

Reactivation air heater

Heater power (kW)	11,1
Temperature increase across heater(ºC)	95

Miscellaneous data

Operating temperature (ºC)	–20/+40
Drive motor power (W)	10
Max noise level unducted (dBA)	80
Air filter, standard	EU3
IEC protective class	
unit	IP44
electrical panel	IP54
Winding insulation grade	
Fan motor	Class F
Drive motor	Class F
High temperature cut-out (ºC)	160±5
Amperage rating	
remote on relay	2A, 250VAC (max)
alarm contact	2A, 250VAC (max)
Control voltage	24VAC

Options

- Hours run counter (monitors the number of hours the system is operational)
- Blocked filter alarm
- Rotor stopped alarm
- Humidity control system with alarm and display

  Refer to the RH98 product data sheet
- Stainless steel sheet metal casing

[1] Stated performance based on 20ºC and air density of 1,2kg/m³

Munters

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DH/MEA/PGBint-0023-08/98

MUNTERS PRODUCT INFORMATION

ML Series Desiccant Dehumidifier

Complete Dehumidification Package

ML1350

High Efficiency and Reliability

- Desiccant dehumidification – high efficiency, even below 0° C
- Advanced rotor technology – high capacity with economic operating costs
- Internally sealed rotor unit – dehumidifies to low dewpoints
- Hard plastic rotor casing – corrosion resistant construction
- Efficiently designed electrical system – enhanced reliability

Easy Installation and Operation

- Advanced control panel – diagnostic fault display eases maintenance
- Remote display and automatic control – increases installation flexibility
- Humidistat control – optional control of complete unit or reactivation heater only
- Easily removed access panels – fast installation and service
- Replaceable EU3 filter – enhances air quality
- Unit requires minimal floor area – allows installation in confined spaces
- Duct connections conform to ISO 7807 standards – simplifies air duct installation
- Interchangeable front and back panels – optional dry air installation

Product Description

The ML1350 desiccant dehumidifier is designed to efficiently dehumidify in low moisture applications. It is equipped with an internally sealed rotor unit. The rotor casing is constructed of durable thermoset plastic and contains isolated sections that provide a precise balance for dehumidification, reactivation, and heat recovery airflows. Its rugged formed metal frame and access panels are produced from corrosion resistant ALUZINK®.

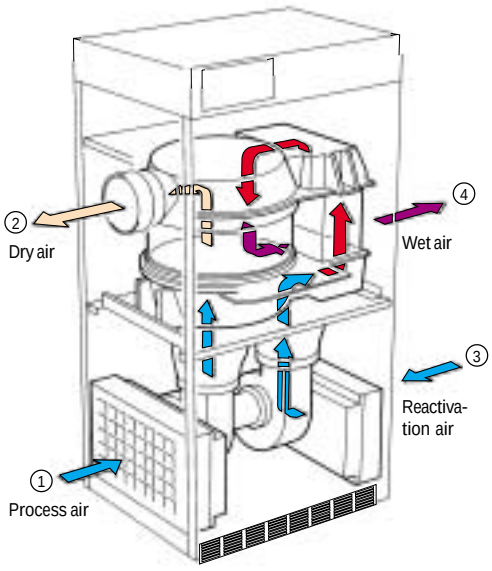
The electrical control system conforms to EN 60204 (IEC204) standards. The electrical components are mounted on busbars and are constructed of halogen-free plastic. The electrical system is designed for up to 690V and 60° C.

ML Series dehumidifiers conform to both harmonised European Standards and to CE marking specifications.

Munters Rotor Technology

The desiccant rotor is manufactured from a corrugated composite material that is highly effective at attracting and holding water vapour. Every Munters dehumidifier applies a unique rotor technology. Airflows, air conditions, rotor sections, and rotor rotation speeds are optimised for specific applications. An innovative control system maximises the units energy efficiency.

A characteristic of the ML Series rotor technology is an extra rotor sector which provides high capacity, while simultaneously recovering heat, thereby effectively reducing the electrical power requirement.

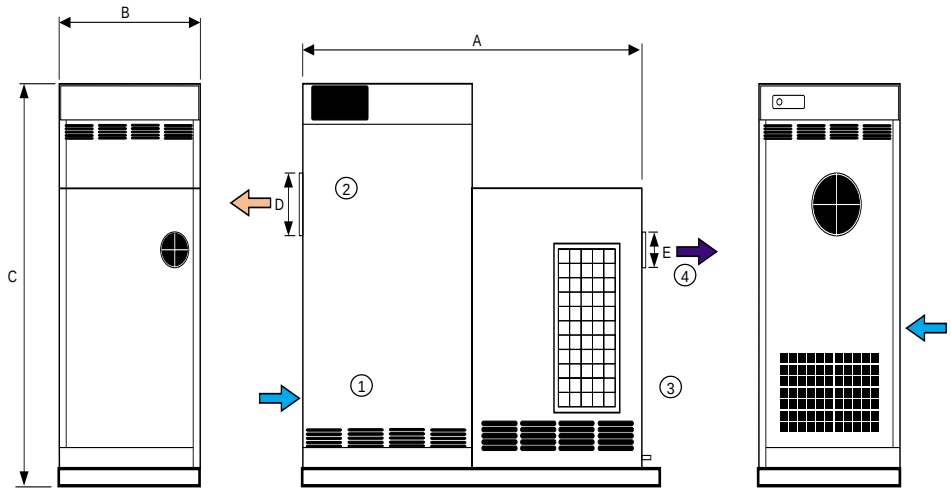


Munters

Model ML1350

Diagram measurements are for reference only.

Scaled and dimensioned AutoCAD drawings are available in Munters' DryCap program.

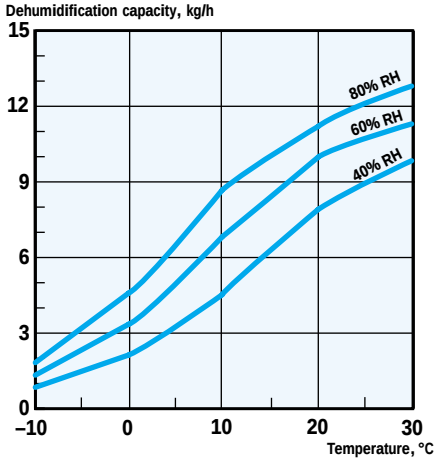


Width (A)	Depth (B)	Height (C)	Diam. (D)	Diam. (E)	Weight
715 mm	590 mm	1452 mm	250 mm	160 mm	160 kg

Dehumidification capacity

Approximate capacity in kg/h.
For more detailed information, please contact your nearest Munters location or refer to Munters' DryCap program.

1. Process air temperature, ºC
2. Process air relative humidity, % RH
3. Dehumidification capacity, kg/h moisture removal kg/hour)



Technical Specifications

Process air[1]

Rated airflow (m³/s)	0,375
Rated airflow (m³/h)	1350
Available static pressure (Pa)	300
Fan motor power (kW)	1,1

Reactivation air[1]

Rated airflow (m³/s)	0,136
Rated airflow (m³/h)	490
Available static pressure (Pa)	300
Fan motor power (kW)	0,55

Total power, voltage and current (amps/phase)

Total power (kW)	15,16
200V 3~50Hz (A)	91,2
200V 3~60Hz (A)	–
380V 3~50Hz (A)	22,5
400V 3~50Hz (A)	23,5
415V 3~50Hz (A)	22,8
440V 3~60Hz (A)	21,7

Reactivation air heater

Heater power (kW)	13,5
Temperature increase across heater(ºC)	95

Miscellaneous data

Operating temperature (ºC)	–20/+40
Drive motor power (W)	10
Max noise level unducted (dBA)	83
Air filter, standard	EU3
IEC protective class	
unit	IP44
electrical panel	IP54
Winding insulation grade	
Fan motor	Class F
Drive motor	Class F
High temperature cut-out (ºC)	160±5
Amperage rating	
remote on relay	2A, 250VAC (max)
alarm contact	2A, 250VAC (max)
Control voltage	24VAC

Options

- Hours run counter (monitors the number of hours the system is operational)
- Blocked filter alarm
- Rotor stopped alarm
- Humidity control system with alarm and display

  Refer to the RH98 product data sheet
- Stainless steel sheet metal casing

[1] Stated performance based on 20ºC and air density of 1,2kg/m³

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DH/MEA/PGBint-0024-10/01

ML Series
Desiccant Dehumidifier

PRODUCT INFORMATION

ML17

Features

- Advanced control panel - diagnostic fault display.
- Unique plastic rotor casing 100 % corrosion resistance.
- Efficient dehumidification to -20°C.
- Dehumidifies to low dewpoint.
- Stainless steel construction

Product Description

ML17 is a new flexible desiccant dehumidifier offering a lot of features that normally are options.
As for other ML-units ML17 is designed to efficiently dehumidify in low moisture applications.
The ML-series has a unique design. The air treatment is done in a closed durable thermoset plastic rotor casing to secure the high dehumidification efficiency.
As standard the unit is supplied with a PLC-system with multifunctional display offering different control options.
A number of larm indicators is also standard as well as uptime counter.
Another new feature is the service indicator on the control panel.
The metal frame and access panels are produced from stainless steel.
ML17 can be supplied with three different reactivation alternatives – electric, steam or gas
The electric system is designed for up to 500V and 60 °C. ML series dehumidifiers conform to both harmonised European Standards and to CE marking specifications.

Munters Rotor Technology

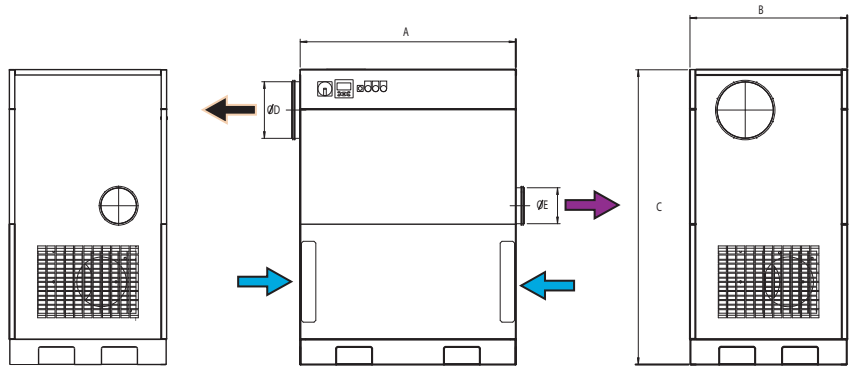
The desiccant rotor is manufactured from a corrugated composite material that is highly effective at attracting and holding water vapour.
An innovative control system maximises the units energy efficiency.
A characteristic of the ML Series rotor technology is an extra rotor sector which provides high capacity, while simultaneously recovering heat, thereby effectively reducing the electrical power requirement.

Munters
The Humidity Expert

Model ML17

Diagram measurements are for reference only.

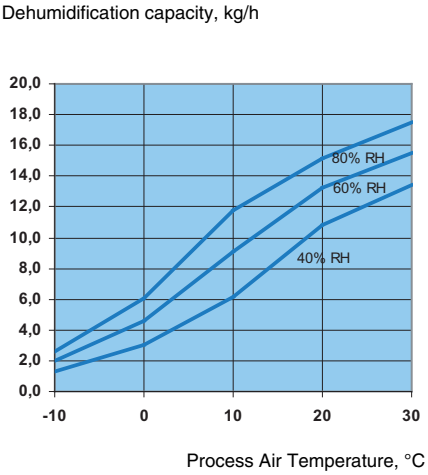
Scaled and dimensioned drawings are available in Munters DryCap program.



Width (A)	Depth (B)	Height (C)	Diam. (D)	Diam. (E)	Weight
1200 mm	870 mm	1640 mm	315 mm	200 mm	280 kg

Dehumidification Capacity

Approximate capacity in kg/h at different inlet process air relative humidity, % RH.



Technical Specification

Process air

Rated airflow (m³/h)	1700
Available static pressure (Pa)	300

Reactivation air

Rated airflow (m³/h)	630
Available static pressure (Pa)	300

Total power, voltage and current (amps/phase).

Total power (kW) Electrical	21,2
Total power (kW) Steam/Gas	3,2
230V 3-50/60Hz (A) El.	59,9
230V 3-50/60Hz (A) St/Gas	15,6
380V 3-50/60Hz (A) El.	35,8
380V 3-50/60Hz (A) St/Gas	9,4
400V 3-50Hz (A) El.	34,5
400V 3-50Hz (A) St/Gas	9,1
415V 3-50Hz (A) El.	33,6
415V 3-50Hz (A) St/Gas	9,6
440V 3-60Hz (A) El.	31,5
440V 3-60Hz (A) St/Gas	8,8
460V 3-60Hz (A) El.	30,7
460V 3-60Hz (A) St/Gas	9,0
480V 3-60Hz (A) El.	30,0
480V 3-60Hz (A) St/Gas	9,3
500V 3-50Hz (A) El.	27,7
500V 3-50Hz (A) St/Gas	7,8

Steam consumption (g/s)	9
Max steam working pressure (bar g)	5
Gas consumption (Nm3/h)	1,6
Natural gas pressure (mbar)	20-100
Max sulphur content (ppm) HPS Rotor	30

Miscellaneous data

Operating temperature (°C)	-20/+40
Max noise level unducted (dBA)	76
Air filter standard	G3
IEC protective class (unit)	IP54
IEC protective class (electrical panel)	IP54

.

MUNTERS PRODUCT INFORMATION

ML Series Desiccant Dehumidifier

Complete Dehumidification Package

ML180

High Efficiency and Reliability

- Desiccant dehumidification – high efficiency, even below 0º C
- Advanced rotor technology – high capacity with economic operating costs
- Internally sealed rotor unit – dehumidifies to low dewpoints
- Hard plastic rotor casing – corrosion resistant construction
- Efficiently designed electrical system – enhanced reliability

Easy Installation and Operation

- Basic control panel – monitors the systems operation status
- Humidistat control – optional control of complete unit or reactivation heater only
- Easily removed access panels – fast installation and service
- Replaceable EU3 filter – enhances air quality
- Unit requires minimal floor area – allows installation in confined spaces
- Duct connections conform to ISO 7807 standards – simplifies air duct installation
- Interchangeable front and back panels – optional dry air installation

Product Description

The ML180 desiccant dehumidifier is designed to efficiently dehumidify in low moisture applications. It is equipped with an internally sealed rotor unit. The rotor casing is constructed of durable thermoset plastic and contains isolated sections that provide a precise balance for dehumidification, reactivation, and heat recovery airflows. Its rugged formed metal frame and access panels are produced from corrosion resistant ALUZINK®.

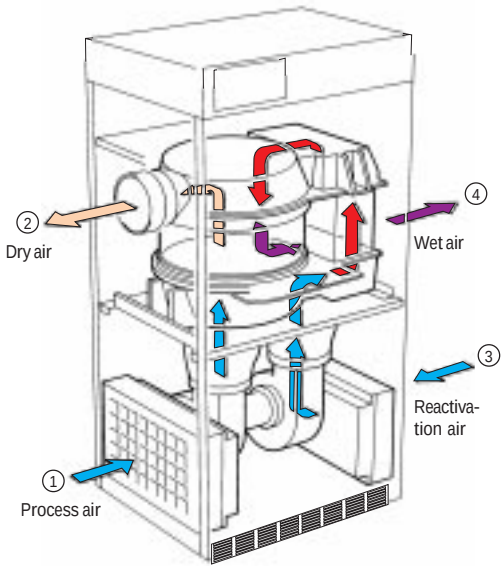
The electrical control system conforms to EN 60204 (IEC204) standards. The electrical components are mounted on busbars and are constructed of halogen-free plastic. The electrical system is designed for up to 690V and 60º C.

ML Series dehumidifiers conform to both harmonised European Standards and to CE marking specifications.

Munters Rotor Technology

The desiccant rotor is manufactured from a corrugated composite material that is highly effective at attracting and holding water vapour. Every Munters dehumidifier applies a unique rotor technology. Airflows, air conditions, rotor sections, and rotor rotation speeds are optimised for specific applications. An innovative control system maximises the units energy efficiency.

A characteristic of the ML Series rotor technology is an extra rotor sector which provides high capacity, while simultaneously recovering heat, thereby effectively reducing the electrical power requirement.

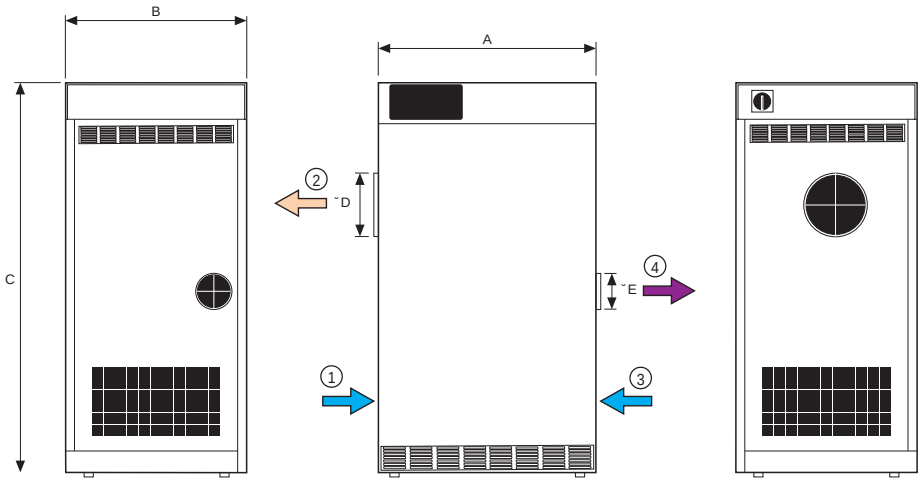


Munters

Model ML180

Diagram measurements are for reference only.

Scaled and dimensioned AutoCAD drawings are available in Munters' DryCap program.

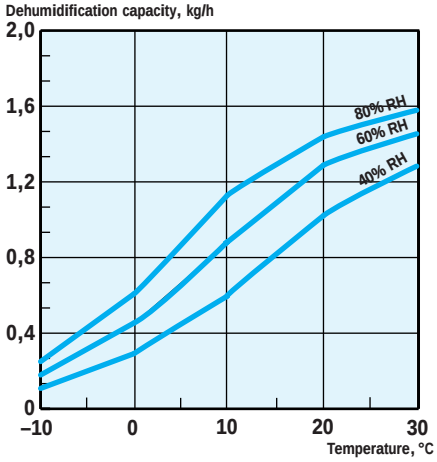


Width (A)	Depth (B)	Height (C)	Diam. (D)	Diam. (E)	Weight
513 mm	410 mm	910 mm	125 mm	80 mm	53 kg

Dehumidification capacity

Approximate capacity in kg/h.
For more detailed information, please contact your nearest Munters location or refer to Munters' DryCap program.

1. Process air temperature, ºC
2. Process air relative humidity, % RH
3. Dehumidification capacity, kg/h moisture removal kg/hour)



Technical Specifications

Process air[1]
Rated airflow (m³/s) 0,050
Rated airflow (m³/h) 180
Available static pressure (Pa) 200
Fan motor power (kW) 0,25

Reactivation air[1]
Rated airflow (m³/s) 0,019
Rated airflow (m³/h) 67
Available static pressure (Pa) 200
Fan motor power (kW)[2] –

Total power, voltage and current (amps/phase)
Total power (kW) 2,05
115V 1~50Hz (A) 19,5
115V 1~60Hz (A) 19,5
200V 1~50Hz (A) 11,2
200V 1~60Hz (A) 11,2
220V 1~50Hz (A) 10,2
230V 1~50Hz (A) 9,9
240V 1~50Hz (A) 8,5

Reactivation air heater
Heater power (kW) 1,8
Temperature increase across heater(ºC) 95

Miscellaneous data
Operating temperature (ºC) –20/+40
Drive motor power (W) 5
Max noise level unducted (dBA) 75
Air filter, standard EU3
IEC protective class
unit IP44
electrical panel IP54
Winding insulation grade
Fan motor Class F
Drive motor Class F
High temperature cut-out (ºC) 160±5
Amperage rating
remote on relay 2A, 250VAC (max)
alarm contact 2A, 250VAC (max)
Control voltage 24VAC

Options

- Hours run counter (monitors the number of hours the system is operational)
- Humidity control system with alarm and display

  Refer to the RH98 product data sheet
- Air cooled condenser

  Refer to the ML180L product data sheet
- Stainless steel sheet metal casing

[1] Stated performance based on 20ºC and air density of 1,2kg/m³
[2] Common motor for process and reactivation fans

Munters

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DH/MEA/PGBint-0017-08/98

ML Series
Desiccant Dehumidifier

PRODUCT INFORMATION

ML23

Features

- Advanced control panel - diagnostic fault display.
- Unique plastic rotor casing - 100 % corrosion resistance.
- Efficient dehumidification to -20°C.
- Dehumidifies to low dewpoint.
- Stainless steel construction.

Product Description

ML23 is a new flexible desiccant dehumidifier offering a lot of features that normally are options.
As for other ML-units ML23 is designed to efficiently dehumidify in low moisture applications.
The ML-series has a unique design. The air treatment is done in a closed durable thermoset plastic rotor casing to secure the high dehumidification efficiency.
As standard the unit is supplied with a PLC-system with multifunctional display offering different control options.
A number of larm indicators is also standard as well as uptime counter.
Another new feature is the service indicator on the control panel.
The metal frame and access panels are produced from stainless steel.
ML23 can be supplied with three different reactivation alternatives – electric, steam or gas
The electric system is designed for up to 500V and 60 °C. ML series dehumidifiers conform to both harmonised European Standards and to CE marking specifications.

Munters Rotor Technoloy

The desiccant rotor is manufactured from a corrugated composite material that is highly effective at attracting and holding water vapour.
An innovative control system maximises the units energy efficiency.
A characteristic of the ML Series rotor technology is an extra rotor sector which provides high capacity, while simultaneously recovering heat, thereby effectively reducing the electrical power requirement.

Munters
The Humidity Expert

Model ML23

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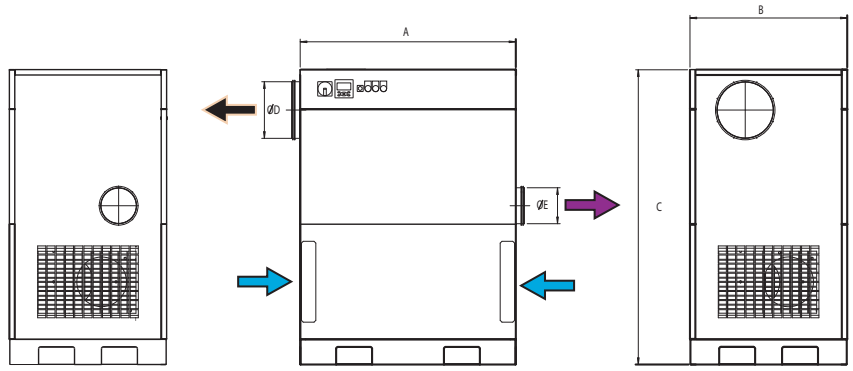
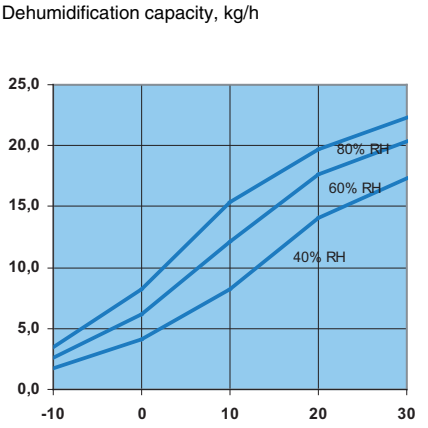


Width (A)	Depth (B)	Height (C)	Diam. (D)	Diam. (E)
1200 mm	870 mm	1640 mm	315 mm	200 mm

Dehumidification Capacity

Approximate capacity in kg/h at different inlet process air relative humidity, % RH.



Technical Specification

Process air

Rated airflow (m³/h)	2300
Available static pressure (Pa)	300

Reactivation air

Rated airflow (m³/h)	850
Available static pressure (Pa)	300

Total power, voltage and current (amps/phase).

Total power (kW) Electrical	29,6
Total power (kW) Steam/Gas	5,0
230V 3-50/60Hz (A) El.	83,7
230V 3-50/60Hz (A) St/Gas	23,0
380V 3-50/60Hz (A) El.	49,9
380V 3-50/60Hz (A) St/Gas	13,5
400V 3-50Hz (A) El.	48,2
400V 3-50Hz (A) St/Gas	13,6
415V 3-50Hz (A) El.	47,1
415V 3-50Hz (A) St/Gas	13,8
440V 3-60Hz (A) El.	43,5
440V 3-60Hz (A) St/Gas	12,2
460V 3-60Hz (A) El.	42,5
460V 3-60Hz (A) St/Gas	12,5
480V 3-60Hz (A) El.	41,9
480V 3-60Hz (A) St/Gas	13,2
500V 3-50Hz (A) El.	41,0
500V 3-50Hz (A) St/Gas	13,5

Steam consumption (g/s)	12
Max steam working pressure (bar g)	5
Gas consumption (Nm3/h)	2,2
Natural gas pressure (mbar)	20-100
Max sulphur content (ppm) HPS Rotor	30

Miscellaneous data

Operating temperature (°C)	-20/+40
Max noise level unducted (dBA)	76
Air filter standard	G3
IEC protective class (unit)	IP54
IEC protective class (electrical panel)	IP54

.

MUNTERS PRODUCT INFORMATION

ML Series Desiccant Dehumidifier

Complete Dehumidification Package

ML270

High Efficiency and Reliability

- Desiccant dehumidification – high efficiency, even below 0° C
- Advanced rotor technology – high capacity with economic operating costs
- Internally sealed rotor unit – dehumidifies to low dewpoints
- Hard plastic rotor casing – corrosion resistant construction
- Efficiently designed electrical system – enhanced reliability

Easy installation and Operation

- Basic control panel – monitors the systems operation status
- Humidistat control – optional control of complete unit or reactivation heater only
- Easily removed access panels – fast installation and service
- Replaceable EU3 filter – enhances air quality
- Unit requires minimal floor area – allows installation in confined spaces
- Duct connections conform to ISO 7807 standards – simplifies air duct installation
- Interchangeable front and back panels – optional dry air installation

Product Description

The ML270 desiccant dehumidifier is designed to efficiently dehumidify in low moisture applications. It is equipped with an internally sealed rotor unit. The rotor casing is constructed of durable thermoset plastic and contains isolated sections that provide a precise balance for dehumidification, reactivation, and heat recovery airflows. Its rugged formed metal frame and access panels are produced from corrosion resistant ALUZINK®.

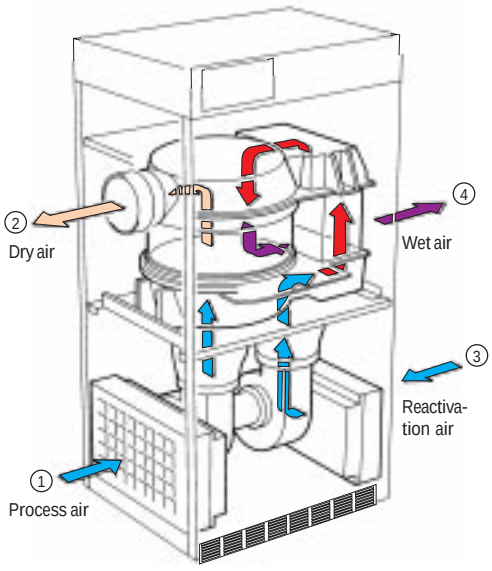
The electrical control system conforms to EN 60204 (IEC204) standards. The electrical components are mounted on busbars and are constructed of halogen-free plastic. The electrical system is designed for up to 690V and 60° C.

ML Series dehumidifiers conform to both harmonised European Standards and to CE marking specifications.

Munters Rotor Technology

The desiccant rotor is manufactured from a corrugated composite material that is highly effective at attracting and holding water vapour. Every Munters dehumidifier applies a unique rotor technology. Airflows, air conditions, rotor sections, and rotor rotation speeds are optimised for specific applications. An innovative control system maximises the units energy efficiency.

A characteristic of the ML Series rotor technology is an extra rotor sector which provides high capacity, while simultaneously recovering heat, thereby effectively reducing the electrical power requirement.

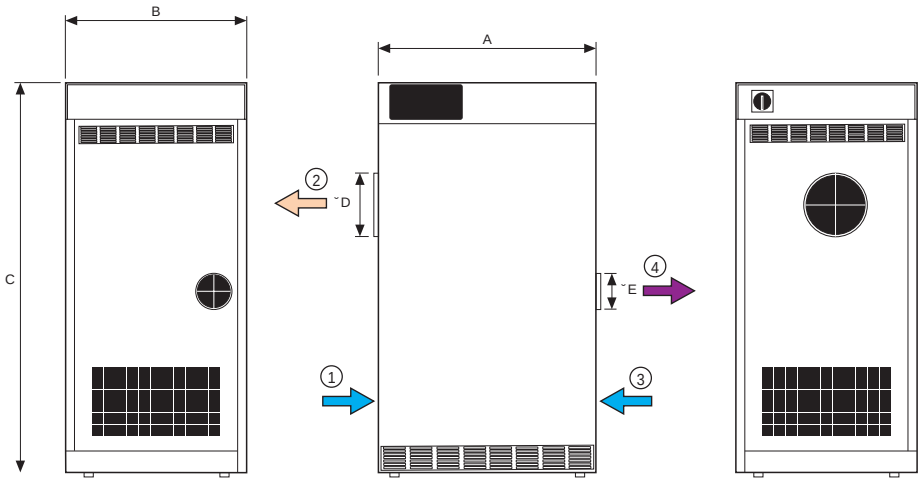


Munters

Model ML270

Diagram measurements are for reference only.

Scaled and dimensioned AutoCAD drawings are available in Munters' DryCap program.

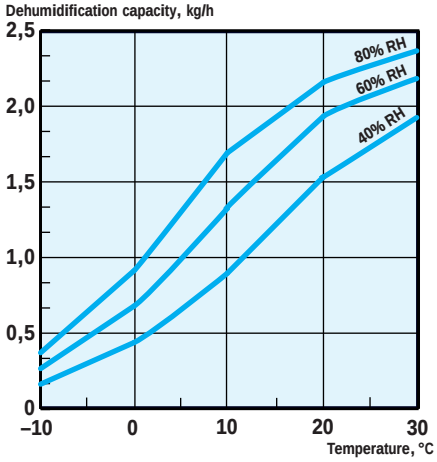


Width (A)	Depth (B)	Height (C)	Diam. (D)	Diam. (E)	Weight
513 mm	410 mm	1010 mm	160 mm	100 mm	58 kg

Dehumidification capacity

Approximate capacity in kg/h.
For more detailed information, please contact your nearest Munters location or refer to Munters' DryCap program.

1. Process air temperature, ºC
2. Process air relative humidity, % RH
3. Dehumidification capacity, kg/h moisture removal kg/hour)



Technical Specifications

Process air[1]

Rated airflow (m³/s)	0,075
Rated airflow (m³/h)	270
Available static pressure (Pa)	200
Fan motor power (kW)	0,36

Reactivation air[1]

Rated airflow(m³/s)	0,027
Rated airflow(m³/h)	99
Available static pressure(Pa)	200
Fan motor power(kW)[2]	–

Total power, voltage and current (amps/phase)

Total power (kW)	3,06
200V 3~50Hz (A)	9,6
200V 3~60Hz (A)	9,6
220V 3~50Hz (A)	8,7
230V 3~50Hz (A)	8,4
380V 3~50Hz (A)	5,1
400V 3~50Hz (A)	4,8
415V 3~50Hz (A)	4,6
440V 3~60Hz (A)	4,4

Reactivation air heater

Heater power (kW)	2,7
Temperature increase across heater(ºC)	95

Miscellaneous data

Operating temperature (ºC)	–20/+40
Drive motor power (W)	5
Max noise level unducted (dBA)	79
Air filter, standard	EU3
IEC protective class	
unit	IP44
electrical panel	IP54
Winding insulation grade	
Fan motor	Class F
Drive motor	Class F
High temperature cut-out (ºC)	160±5
Amperage rating	
remote on relay	2A, 250VAC (max)
alarm contact	2A, 250VAC (max)
Control voltage	24VAC

Options

- Hours run counter (monitors the number of hours the system is operational)
- Humidity control system with alarm and display
  Refer to the RH98 product data sheet
- Air cooled condenser
  Refer to the ML270L product data sheet
- Stainless steel sheet metal casing

[1] Stated performance based on 20ºC and air density of 1,2kg/m³
[2] Common motor for process and reactivation fans

Distributor

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DH/MEA/PGBint-0018-08/98

MUNTERS PRODUCT INFORMATION

ML Series Desiccant Dehumidifier

Complete Dehumidification Package

ML420

High Efficiency and Reliability

- Desiccant dehumidification – high efficiency, even below 0° C
- Advanced rotor technology – high capacity with economic operating costs
- Internally sealed rotor unit – dehumidifies to low dewpoints
- Hard plastic rotor casing – corrosion resistant construction
- Efficiently designed electrical system – enhanced reliability

Easy Installation and Operation

- Advanced control panel – diagnostic fault display eases maintenance
- Remote display and automatic control – increases installation flexibility
- Humidistat control – optional control of complete unit or reactivation heater only
- Easily removed access panels – fast installation and service
- Replaceable EU3 filter – enhances air quality
- Unit requires minimal floor area – allows installation in confined spaces
- Duct connections conform to ISO 7807 standards – simplifies air duct installation
- Interchangeable front and back panels – optional dry air installation

Product Description

The ML420 desiccant dehumidifier is designed to efficiently dehumidify in low moisture applications. It is equipped with an internally sealed rotor unit. The rotor casing is constructed of durable thermoset plastic and contains isolated sections that provide a precise balance for dehumidification, reactivation, and heat recovery airflows. Its rugged formed metal frame and access panels are produced from corrosion resistant ALUZINK®.

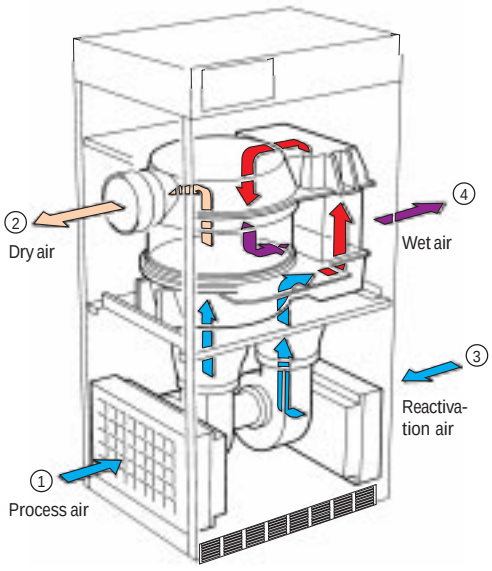
The electrical control system conforms to EN 60204 (IEC204) standards. The electrical components are mounted on busbars and are constructed of halogen-free plastic. The electrical system is designed for up to 690V and 60° C.

ML Series dehumidifiers conform to both harmonised European Standards and to CE marking specifications.

Munters Rotor Technology

The desiccant rotor is manufactured from a corrugated composite material that is highly effective at attracting and holding water vapour. Every Munters dehumidifier applies a unique rotor technology. Airflows, air conditions, rotor sections, and rotor rotation speeds are optimised for specific applications. An innovative control system maximises the units energy efficiency.

A characteristic of the ML Series rotor technology is an extra rotor sector which provides high capacity, while simultaneously recovering heat, thereby effectively reducing the electrical power requirement.

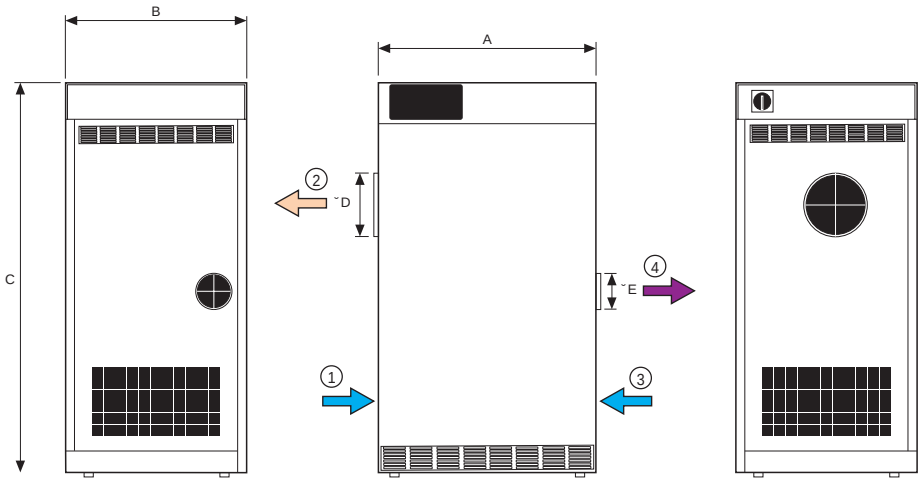


Munters

Model ML420

Diagram measurements are for reference only.

Scaled and dimensioned AutoCAD drawings are available in Munters' DryCap program.

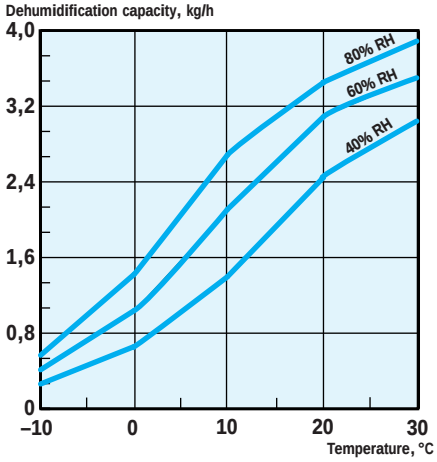


Width (A)	Depth (B)	Height (C)	Diam. (D)	Diam. (E)	Weight
715 mm	590 mm	1252 mm	160 mm	100 mm	125 kg

Dehumidification capacity

Approximate capacity in kg/h.
For more detailed information, please contact your nearest Munters location or refer to Munters' DryCap program.

1. Process air temperature, ºC
2. Process air relative humidity, % RH
3. Dehumidification capacity, kg/h moisture removal kg/hour)



Technical Specifications

Process air[1]

Rated airflow (m³/s)	0,116
Rated airflow (m³/h)	420
Available static pressure (Pa)	200
Fan motor power (kW)	0,37

Reactivation air[1]

Rated airflow (m³/s)	0,043
Rated airflow (m³/h)	155
Available static pressure (Pa)	200
Fan motor power (kW)[2]	–

Total power, voltage and current (amps/phase)

Total power (kW)	4,57
200V 3~50Hz (A)	13,8
200V 3~60Hz (A)	–
220V 3~50Hz (A)	–
230V 3~50Hz (A)	12,0
380V 3~50Hz (A)	7,3
400V 3~50Hz (A)	6,9
415V 3~50Hz (A)	5,7
440V 3~60Hz (A)	6,3

Reactivation air heater

Heater power (kW)	4,2
Temperature increase across heater(ºC)	95

Miscellaneous data

Operating temperature (ºC)	–20/+40
Drive motor power (W)	10
Max noise level unducted (dBA)	66
Air filter, standard	EU3
IEC protective class	
unit	IP44
electrical panel	IP54
Winding insulation grade	
Fan motor	Class F
Drive motor	Class F
High temperature cut-out (ºC)	160±5
Amperage rating	
remote on relay	2A, 250VAC (max)
alarm contact	2A, 250VAC (max)
Control voltage	24VAC

Options

- Hours run counter (monitors the number of hours the system is operational)
- Blocked filter alarm
- Rotor stopped alarm
- Humidity control system with alarm and display

  Refer to the RH98 product data sheet
- Air cooled condenser

  Refer to the ML420L product data sheet
- Stainless steel sheet metal casing

[1] Stated performance based on 20ºC and air density of 1,2kg/m³
[2] Common motor for process and reactivation fans

Distributor

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DH/MEA/PSGBint-0020-08/98

MUNTERS PRODUCT INFORMATION

ML Series Desiccant Dehumidifier

Complete Dehumidification Package

ML690

High Efficiency and Reliability

- Desiccant dehumidification – high efficiency, even below 0° C
- Advanced rotor technology – high capacity with economic operating costs
- Internally sealed rotor unit – dehumidifies to low dewpoints
- Hard plastic rotor casing – corrosion resistant construction
- Efficiently designed electrical system – enhanced reliability

Easy Installation and Operation

- Advanced control panel – diagnostic fault display eases maintenance
- Remote display and automatic control – increases installation flexibility
- Humidistat control – optional control of complete unit or reactivation heater only
- Easily removed access panels – fast installation and service
- Replaceable EU3 filter – enhances air quality
- Unit requires minimal floor area – allows installation in confined spaces
- Duct connections conform to ISO 7807 standards – simplifies air duct installation
- Interchangeable front and back panels – optional dry air installation

Product Description

The ML690 desiccant dehumidifier is designed to efficiently dehumidify in low moisture applications. It is equipped with an internally sealed rotor unit. The rotor casing is constructed of durable thermoset plastic and contains isolated sections that provide a precise balance for dehumidification, reactivation, and heat recovery airflows. Its rugged formed metal frame and access panels are produced from corrosion resistant ALUZINK®.

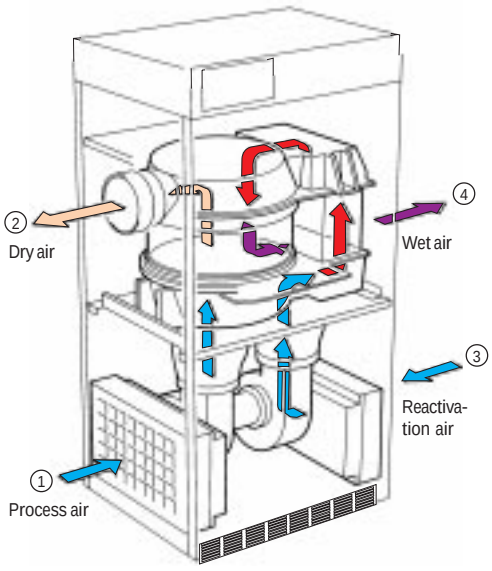
The electrical control system conforms to EN 60204 (IEC204) standards. The electrical components are mounted on busbars and are constructed of halogen-free plastic. The electrical system is designed for up to 690V and 60° C.

ML Series dehumidifiers conform to both harmonised European Standards and to CE marking specifications.

Munters Rotor Technology

The desiccant rotor is manufactured from a corrugated composite material that is highly effective at attracting and holding water vapour. Every Munters dehumidifier applies a unique rotor technology. Airflows, air conditions, rotor sections, and rotor rotation speeds are optimised for specific applications. An innovative control system maximises the units energy efficiency.

A characteristic of the ML Series rotor technology is an extra rotor sector which provides high capacity, while simultaneously recovering heat, thereby effectively reducing the electrical power requirement.

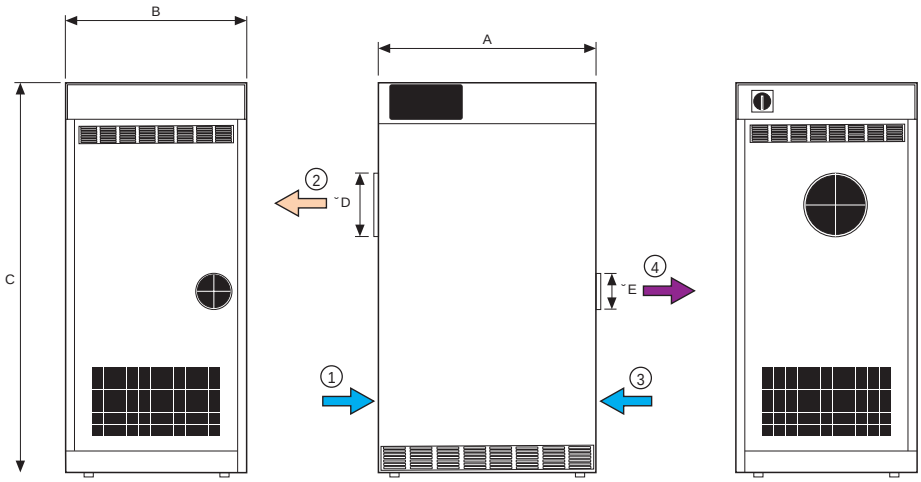


Munters

Model ML690

Diagram measurements are for reference only.

Scaled and dimensioned AutoCAD drawings are available in Munters' DryCap program.

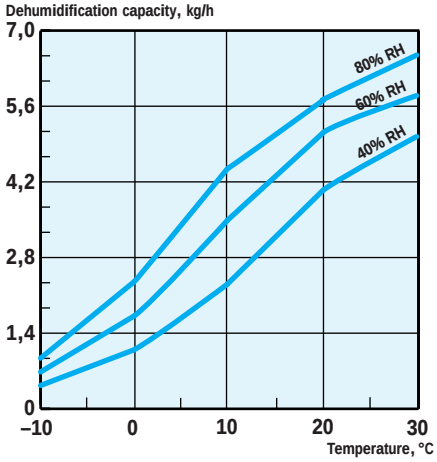


Width (A)	Depth (B)	Height (C)	Diam. (D)	Diam. (E)	Weight
715 mm	590 mm	1352 mm	200 mm	125 mm	143 kg

Dehumidification capacity

Approximate capacity in kg/h.
For more detailed information, please contact your nearest Munters location or refer to Munters' DryCap program.

1. Process air temperature, ºC
2. Process air relative humidity, % RH
3. Dehumidification capacity, kg/h moisture removal kg/hour)



Technical Specifications

Rated airflow (m³/s) 0,192
Rated airflow (m³/h) 690
Available static pressure (Pa) 300
Fan motor power (kW) 0.55

Reactivation air[1]
Rated airflow (m³/s) 0,071
Rated airflow (m³/h) 254
Available static pressure (Pa) 300
Fan motor power (kW) 0,37

Total power, voltage and current (amps/phase)
Total power (kW) 7,82
200V 3~50Hz (A) 24,1
200V 3~60Hz (A) –
220V 3~50Hz (A) –
230V 3~50Hz (A) 21,0
380V 3~50Hz (A) 12,7
400V 3~50Hz (A) 12,1
415V 3~50Hz (A) 11,6
440V 3~60Hz (A) 11,0

Reactivation air heater
Heater power (kW) 6,9
Temperature increase across heater(ºC) 95

Miscellaneous data
Operating temperature (ºC) –20/+40
Drive motor power (W) 10
Max noise level unducted (dBA) 74
Air filter, standard EU3
IEC protective class
unit IP44
electrical panel IP54
Winding insulation grade
Fan motor Class F
Drive motor Class F
High temperature cut-out (ºC) 160±5
Amperage rating
remote on relay 2A, 250VAC (max)
alarm contact 2A, 250VAC (max)
Control voltage 24VAC

Options

- Hours run counter (monitors the number of hours the system is operational)
- Blocked filter alarm
- Rotor stopped alarm
- Humidity control system with alarm and display

  Refer to the RH98 product data sheet
- Air cooled condenser

  Refer to the ML690L product data sheet
- Stainless steel sheet metal casing

[1] Stated performance based on 20ºC and air density of 1,2kg/m³

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DH/MEA/PGBint-0021-08/98

MLT Series Desiccant Dehumidifier

Complete Dehumidification Package

MLT1400

Product Description

The MLT1400 desiccant dehumidifier is designed to effectively dehumidify high airflow applications using minimal energy. It is equipped with an internally sealed rotor unit. The rotor casing is constructed of durable thermoset plastic and contains isolated sections that provide a precise balance for dehumidification, reactivation, and heat recovery airflows. Its rugged formed metal frame and access panels are produced from corrosion resistant ALUZINK®.

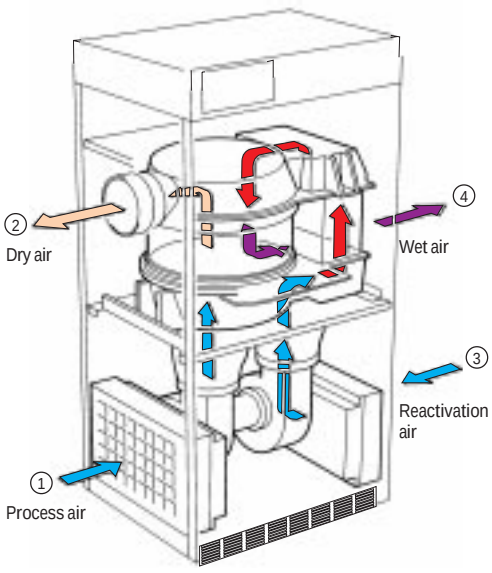
The electrical control system conforms to EN 60204 (IEC204) standards. The electrical components are mounted on busbars and are constructed of halogen-free plastic. The electrical system is designed for up to 690V and 60° C.

MLT Series dehumidifiers conform to both harmonised European Standards and to CE marking specifications.

Munters Rotor Technology

The desiccant rotor is manufactured from a corrugated composite material that is highly effective at attracting and holding water vapour. Every Munters dehumidifier applies a unique rotor technology. Airflows, air conditions, rotor sections, and rotor rotation speeds are optimised for specific applications. An innovative control system maximises the units energy efficiency.

A characteristic of the MLT Series rotor technology is an extra rotor sector which provides high capacity, while simultaneously recovering heat, thereby effectively reducing the electrical power requirement.



High Efficiency and Reliability

- Desiccant dehumidification – high efficiency, even below 0° C
- Advanced rotor technology – high capacity with economic operating costs
- Hard plastic rotor casing – corrosion resistant construction
- Efficiently designed electrical system – enhanced reliability

Easy Installation and Operation

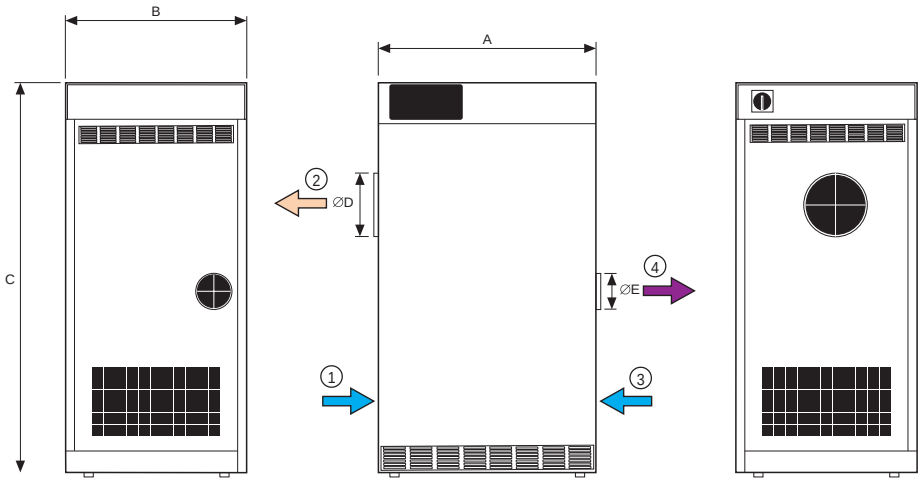
- Advanced control panel – diagnostic fault display eases maintenance
- Remote display and automatic control – increases installation flexibility
- Humidistat control – optional control of complete unit or reactivation heater only
- Easily removed access panels – fast installation and service
- Replaceable EU3 filter – enhances air quality
- Unit requires minimal floor area – allows installation in confined spaces
- Duct connections conform to ISO 7807 standards – simplifies air duct installation
- Interchangeable front and back panels – optional dry air installation

Munters

Model MLT1400

Diagram measurements are for reference only.

Scaled and dimensioned AutoCAD drawings are available in Munters' DryCap program.

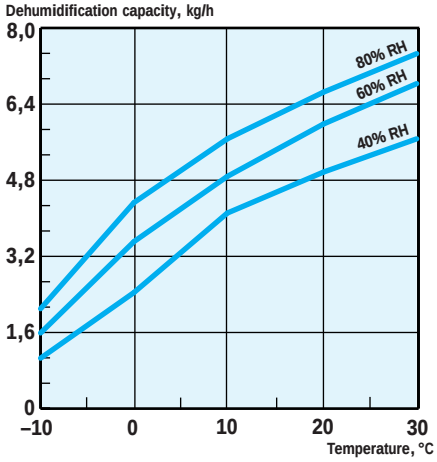


Width (A)	Depth (B)	Height (C)	Diam. (D)	Diam. (E)	Weight
715 mm	590 mm	1352 mm	200 mm	125 mm	143 kg

Dehumidification capacity

Approximate capacity in kg/h.
For more detailed information, please contact your nearest Munters location or refer to Munters' DryCap program.

1. Process air temperature, ºC
2. Process air relative humidity, % RH
3. Dehumidification capacity, kg/h (moisture removal kg/hour)



Technical Specifications

Process air[1]

Rated airflow (m³/s)	0,388
Rated airflow (m³/h)	1400
Available static pressure (Pa)	300
Fan motor power (kW)	1,1

Reactivation air[1]

Rated airflow (m³/s)	0,071
Rated airflow (m³/h)	254
Available static pressure (Pa)	300
Fan motor power (kW)	0,37

Total power, voltage and current (amps/phase)

Total power (kW)	8,37
200V 3~50 Hz (A)	26,3
200V 3~60 Hz (A)	–
220V 3~50 Hz (A)	–
230V 3~50 Hz (A)	22,8
380V 3~50 Hz (A)	13,8
400V 3~50 Hz (A)	13,2
415V 3~50 Hz (A)	12,8
440V 3~60 Hz (A)	–

Reactivation air heater

Heater power (kW)	6,9
Temperature increase across heater (ºC)	95

Miscellaneous data

Operating temperature (ºC)	–20 / +40
Drive motor power (W)	10
Max noise level unducted (dBA)	80
Air filter, standard	EU3
IEC protective class (unit)	IP44
IEC protective class (electrical panel)	IP54
Fan motor winding insulation grade	Class F
Drive motor winding insulation grade	Class F
High temperature cut-out (ºC)	160±5
Amperage rating remote on relay	2 A, 250 VAC(max)
alarm contact	2 A, 250 VAC(max)
Control voltage	24 VAC

[1] Stated performance based on 20ºC and air density 1,2 kg/m³

Options

- Hours run counter (monitors the number of hours the system is operational)
- Blocked filter alarm
- Rotor stopped alarm
- Humidity control system with alarm and display

  Refer to the RH98 product data sheet
- Air cooled condenser

  Refer to the MLT1400L product data sheet
- Stainless steel sheet metal casing

Distributor

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MLT Series
Desiccant Dehumidifier

PRODUCT INFORMATION

MLT30

Features

- Advanced control panel - diagnostic fault display.
- High airflow capacity.
- Minimal energy consumption.
- Unique plastic rotor casing 100 % corrosion resistance.
- Efficient dehumidification to -20ºC.
- Stainless steel construction.

Product Description

The MLT30 desiccant dehumidifier is designed to effectively dehumidify high airflow applications using minimal energy. It is equipped with an internally sealed rotor unit. The rotor casing is made of durable thermoset plastic and contains isolated sections that provide a precise balance for dehumidification, reactivation, and heat recovery airflows. Its rugged formed metal frame and access panels are produced from stainless steel.

The electrical control system conforms to EN 60204 (IEC204) standards. The electrical components are mounted on busbars and are constructed of halogenfree plastic. The electrical system is designed for up to 500V and 60º C. MLT Series dehumidifiers conform to both harmonised European Standards and to CE marking specifications.

Munters Rotor Technology

The desiccant rotor is manufactured from a corrugated composite material that is highly effective at attracting and holding water vapour. Every Munters dehumidifier applies a unique rotor technology. Airflows, air conditions, rotor sections, and rotor rotation speeds are optimised for specific applications. An innovative control system maximises the units energy efficiency. A characteristic of the MLT Series rotor technology is an extra rotor sector which provides high capacity, while simultaneously recovering heat, thereby effectively reducing the electrical power requirement.

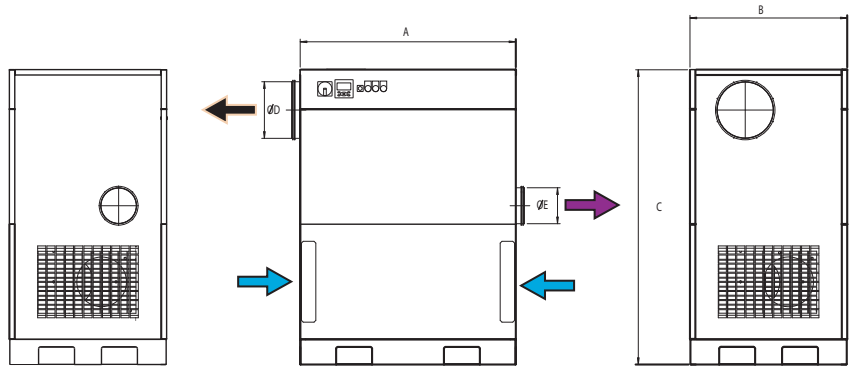
Munters

The Humidity Expert

Model MLT30

Diagram measurements are for reference only.

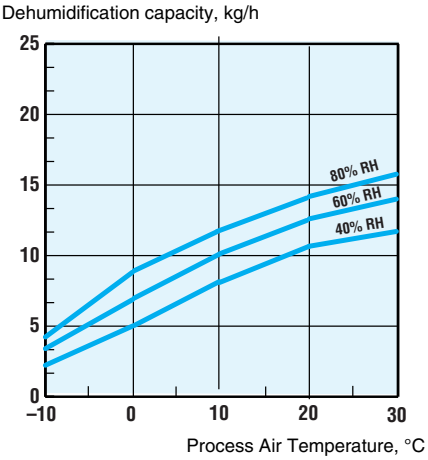
Scaled and dimensioned drawings are available in Munters DryCap program.



Width (A)	Depth (B)	Height (C)	Diam. (D)	Diam. (E)	Weight
1200 mm	870 mm	1640 mm	315 mm	200 mm	270 kg

Dehumidification Capacity

Approximate capacity in kg/h at different inlet process air relative humidity, % RH.



Technical Specification

Process air

Rated airflow (m³/h)	3000
Available static pressure (Pa)	300

Reactivation air

Rated airflow (m³/h)	630
Available static pressure (Pa)	300

Total power, voltage and current (amps/phase)

Total power(kW)	23,01
230V 3-50Hz (A)	66,5
230V 3-60Hz (A)	64,9
380V 3-50Hz (A)	39,4
380V 3-60Hz (A)	39,2
400V 3-50Hz (A)	38,2
415V 3-50Hz (A)	37,4
440V 3-60Hz (A)	34,5
460V 3-60Hz (A)	33,7
480V 3-60Hz (A)	33,5
500V 3-50Hz (A)	33,1

Miscellaneous data

Operating temperature (°C)	-20/+40
Max noise level unducted (dBA)	76
Air filter standard	G3
IEC protective class (unit)	IP44
IEC protective class (electrical panel)	IP54

MLT Series Desiccant Dehumidifier

Complete Dehumidification Package

MLT350

High Efficiency and Reliability

- Desiccant dehumidification – high efficiency, even below 0° C
- Advanced rotor technology – high capacity with economic operating costs
- Hard plastic rotor casing – corrosion resistant construction
- Efficiently designed electrical system – enhanced reliability

Easy Installation and Operation

- Basic control panel – monitors the systems operation status
- Humidistat control – optional control of complete unit or reactivation heater only
- Easily removed access panels – fast installation and service
- Replaceable EU3 filter – enhances air quality
- Unit requires minimal floor area – allows installation in confined spaces
- Duct connections conform to ISO 7807 standards – simplifies air duct installation
- Interchangeable front and back panels – optional dry air installation

Product Description

The MLT350 desiccant dehumidifier is designed to effectively dehumidify high airflow applications using minimal energy. It is equipped with an internally sealed rotor unit. The rotor casing is constructed of durable thermoset plastic and contains isolated sections that provide a precise balance for dehumidification, reactivation, and heat recovery airflows. Its rugged formed metal frame and access panels are produced from corrosion resistant ALUZINK®.

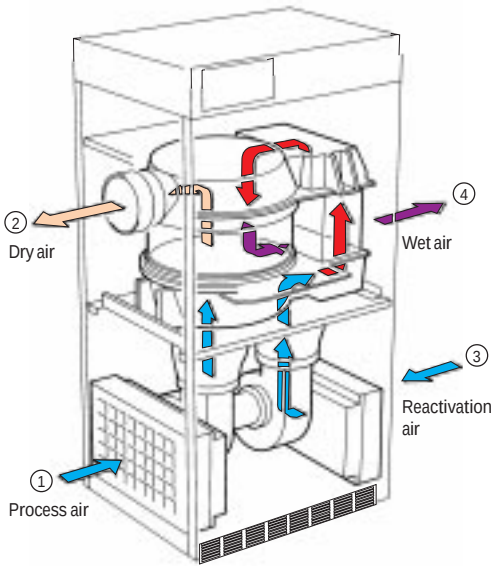
The electrical control system conforms to EN 60204 (IEC204) standards. The electrical components are mounted on busbars and are constructed of halogen-free plastic. The electrical system is designed for up to 690V and 60° C.

MLT Series dehumidifiers conform to both harmonised European Standards and to CE marking specifications.

Munters Rotor Technology

The desiccant rotor is manufactured from a corrugated composite material that is highly effective at attracting and holding water vapour. Every Munters dehumidifier applies a unique rotor technology. Airflows, air conditions, rotor sections, and rotor rotation speeds are optimised for specific applications. An innovative control system maximises the units energy efficiency.

A characteristic of the MLT Series rotor technology is an extra rotor sector which provides high capacity, while simultaneously recovering heat, thereby effectively reducing the electrical power requirement.

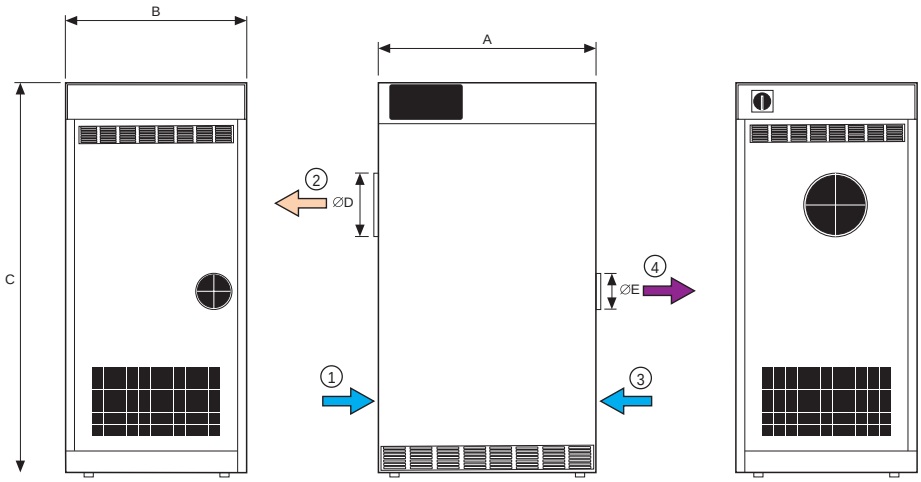


Munters

Model MLT350

Diagram measurements are for reference only.

Scaled and dimensioned AutoCAD drawings are available in Munters' DryCap program.

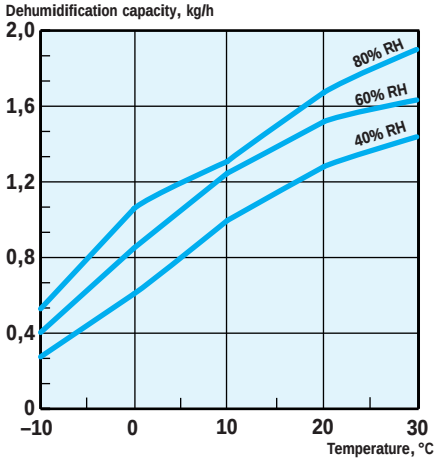


Width (A)	Depth (B)	Height (C)	Diam. (D)	Diam. (E)	Weight
513 mm	410 mm	910 mm	125 mm	80 mm	53 kg

Dehumidification capacity

Approximate capacity in kg/h.
For more detailed information, please contact your nearest Munters location or refer to Munters' DryCap program.

1. Process air temperature, °C
2. Process air relative humidity, % RH
3. Dehumidification capacity, kg/h (moisture removal kg/hour)



Technical Specifications

Process air[1]
Rated airflow (m³/s) 0,097
Rated airflow (m³/h) 350
Available static pressure (Pa) 200
Fan motor power (kW) 0,25

Reactivation air[1]
Rated airflow (m³/s) 0,019
Rated airflow (m³/h) 67
Available static pressure (Pa) 200
Fan motor power (kW)[2] –

Total power, voltage and current (amps/phase)
Total power (kW) 2,05
115V 1~50 Hz (A) 19,5
115V 1~60 Hz (A) –
200V 1~50 Hz (A) 11,2
200V 1~60 Hz (A) –
220V 1~50 Hz (A) 10,2
230V 1~50 Hz (A) 9,9
240V 1~50 Hz (A) 8,5

Reactivation air heater
Heater power (kW) 1,8
Temperature increase across heater (°C) 95

Miscellaneous data
Operating temperature (°C) –20 / +40
Drive motor power (W) 5
Max noise level unducted (dBA) 80
Air filter, standard EU3
IEC protective class (unit) IP44
IEC protective class (electrical panel) IP54
Fan motor winding insulation grade Class F
Drive motor winding insulation grade Class F
High temperature cut-out (°C) 160±5
Amperage rating
remote on relay 2 A, 250 VAC(max)
alarm contact 2 A, 250 VAC(max)
Control voltage 24 VAC

Options

- Hours run counter (monitors the number of hours the system is operational)
- Humidity control system with alarm and display

  Refer to the RH98 product data sheet
- Air cooled condenser

  Refer to the MLT350L product data sheet
- Stainless steel sheet metal casing

[1] Stated performance based on 20°C and air density of 1,2 kg/m³
[2] Common motor for process and reactivation fans

Distributor

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DH/MEA/PGBint-0019-08/98

MLT Series Desiccant Dehumidifier

Complete Dehumidification Package

MLT800

High Efficiency and Reliability

- Desiccant dehumidification – high efficiency, even below 0° C
- Advanced rotor technology – high capacity with economic operating costs
- Hard plastic rotor casing – corrosion resistant construction
- Efficiently designed electrical system – enhanced reliability

Easy Installation and Operation

- Advanced control panel – diagnostic fault display eases maintenance
- Remote display and automatic control – increases installation flexibility
- Humidistat control – optional control of complete unit or reactivation heater only
- Easily removed access panels – fast installation and service
- Replaceable EU3 filter – enhances air quality
- Unit requires minimal floor area – allows installation in confined spaces
- Duct connections conform to ISO 7807 standards – simplifies air duct installation
- Interchangeable front and back panels – optional dry air installation

Product Description

The MLT800 desiccant dehumidifier is designed to effectively dehumidify high airflow applications using minimal energy. It is equipped with an internally sealed rotor unit. The rotor casing is constructed of durable thermoset plastic and contains isolated sections that provide a precise balance for dehumidification, reactivation, and heat recovery airflows. Its rugged formed metal frame and access panels are produced from corrosion resistant ALUZINK®.

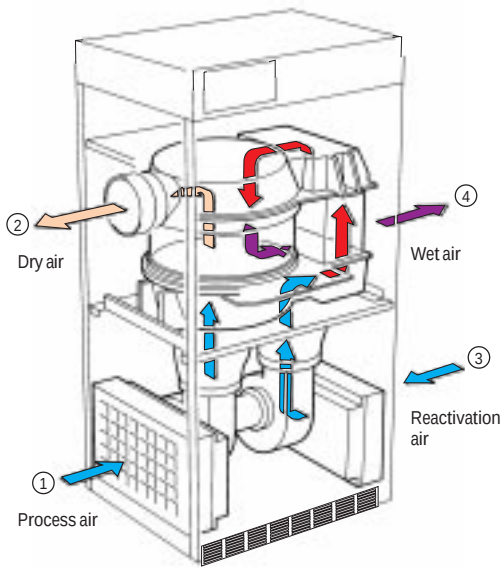
The electrical control system conforms to EN 60204 (IEC204) standards. The electrical components are mounted on busbars and are constructed of halogen-free plastic. The electrical system is designed for up to 690V and 60° C.

MLT Series dehumidifiers conform to both harmonised European Standards and to CE marking specifications.

Munters Rotor Technology

The desiccant rotor is manufactured from a corrugated composite material that is highly effective at attracting and holding water vapour. Every Munters dehumidifier applies a unique rotor technology. Airflows, air conditions, rotor sections, and rotor rotation speeds are optimised for specific applications. An innovative control system maximises the units energy efficiency.

A characteristic of the MLT Series rotor technology is an extra rotor sector which provides high capacity, while simultaneously recovering heat, thereby effectively reducing the electrical power requirement.

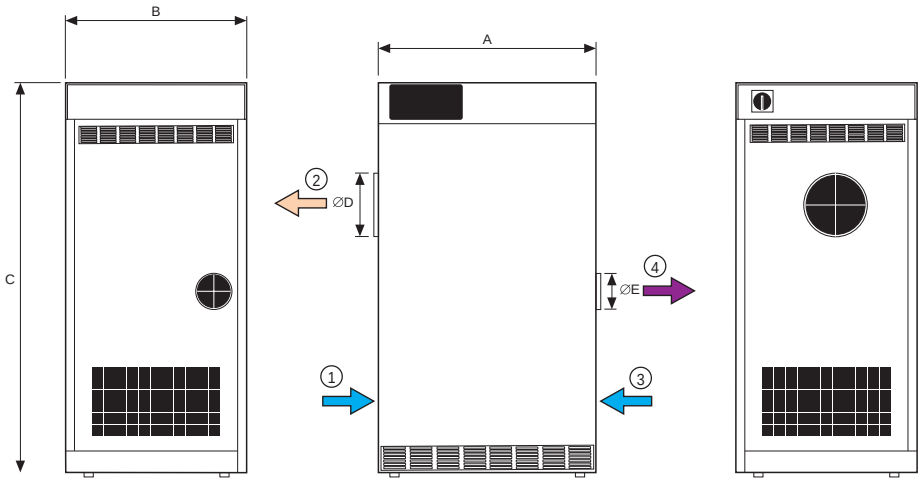


Munters

Model MLT800

Diagram measurements are for reference only.

Scaled and dimensioned AutoCAD drawings are available in Munters' DryCap program.

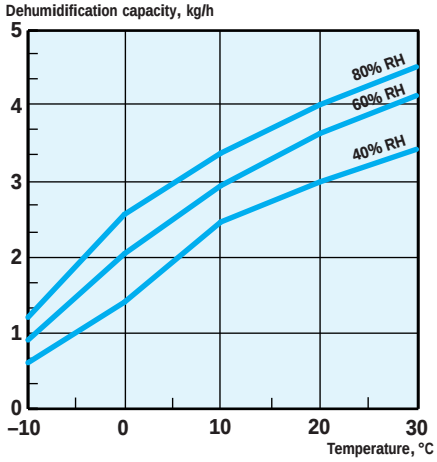


Width (A)	Depth (B)	Height (C)	Diam. (D)	Diam. (E)	Weight
715 mm	590 mm	1252 mm	160 mm	100 mm	125 kg

Dehumidification capacity

Approximate capacity in kg/h.
For more detailed information, please contact your nearest Munters location or refer to Munters' DryCap program.

1. Process air temperature, ºC
2. Process air relative humidity, % RH
3. Dehumidification capacity, kg/h (moisture removal kg/hour)



Technical Specifications

Process air[1]

Rated airflow (m³/s)	0,222
Rated airflow (m³/h)	800
Available static pressure (Pa)	200
Fan motor power (kW)	0,55

Reactivation air[1]

Rated airflow (m³/s)	0,043
Rated airflow (m³/h)	155
Available static pressure (Pa)	200
Fan motor power (kW)	0,37

Total power, voltage and current (amps/phase)

Total power (kW)	5,12
200V 3~50 Hz (A)	16,1
200V 3~60 Hz (A)	–
220V 3~50 Hz (A)	–
230V 3~50 Hz (A)	14,1
380V 3~50 Hz (A)	8,5
400V 3~50 Hz (A)	8,1
415V 3~50 Hz (A)	7,8
440V 3~60 Hz (A)	–

Reactivation air heater

Heater power (kW)	4,2
Temperature increase across heater (ºC)	95

Miscellaneous data

Operating temperature (ºC)	–20 / +40
Drive motor power (W)	10
Max noise level unducted (dBA)	74
Air filter, standard	EU3
IEC protective class (unit)	IP44
IEC protective class (electrical panel)	IP54
Fan motor winding insulation grade	Class F
Drive motor winding insulation grade	Class F
High temperature cut-out (ºC)	160±5
Amperage rating remote on relay	2 A, 250 VAC(max)
Amperage rating alarm contact	2 A, 250 VAC(max)
Control voltage	24 VAC

Options

- Hours run counter (monitors the number of hours the system is operational)
- Blocked filter alarm
- Rotor stopped alarm
- Humidity control system with alarm and display

  Refer to the RH98 product data sheet
- Air cooled condenser

  Refer to the MLT800L product data sheet
- Stainless steel sheet metal casing

[1] Stated performance based on 20ºC and air density of 1,2 kg/m³

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DH/MEA/PGBint-0022-08/98

MUNTERS PRODUCT INFORMATION

MX Series Desiccant Dehumidifier

Complete Dehumidification Package

MX1500

Performance and Reliability

- Desiccant dehumidification – high efficiency, even below 0° C
- Rotor configuration option – high capacity with very low dewpoints
- Reactivation heater choice – economical operating costs
- Rugged ALUZINK® frame and panels – corrosion resistant construction
- Efficiently designed electrical system – enhanced reliability

Installation and Operation

- Microprocessor based control – system functions and operation status display
- Base control – start / stop / humidistat and diagnostic fault display
- Remote automatic control and display – adaptable to the application
- Pressure and airflow test points – built-in confidence
- Easily removed access panels – fast installation and service
- Replaceable EU3 filter – enhances air quality
- Reinforced frame for fork-lifts and cranes – eases installation and service
- Unit requires minimal floor area – allows installation in confined spaces
- Duct connections conform to ISO 7807 standards – simplifies air duct installation

Product Description

The MX1500 desiccant dehumidifier is designed to efficiently dehumidify in low moisture applications. Its airtight construction delivers accurate conditions and optional features provide versatility to adapt the system for specific applications. Its rugged formed metal frame and access panels are produced from corrosion resistant ALUZINK®. Standard equipment includes either a base control package or an optional microprocessor-based controller.

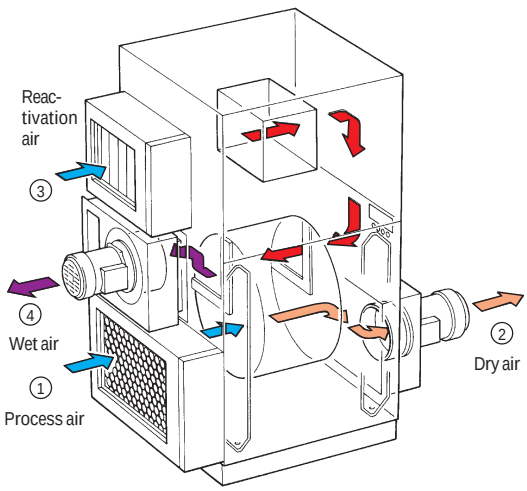
The electrical control system conforms to EN 60204 (IEC204) standards. The electrical components are mounted on busbars and are constructed of halogen-free plastic. The electrical system is designed for up to 690V and 60° C.

MX Series dehumidifiers conform to both harmonised European Standards and to CE marking specifications.

Munters Rotor Technology

The desiccant rotor is manufactured from a corrugated composite material that is highly effective at attracting and holding water vapour. Every Munters dehumidifier applies a unique rotor technology. Airflows, air conditions, rotor sections, and rotor rotation speeds are optimised for specific applications. An innovative control system maximises the units energy efficiency.

A characteristic of the MX Series rotor technology is the precision seals which divide the air distribution chamber. These provide a precise airflow balance for dehumidification and reactivation while allowing for alternative fan placement and rotor sectioning. Additional sectors for low dewpoints and heat recovery are optional.

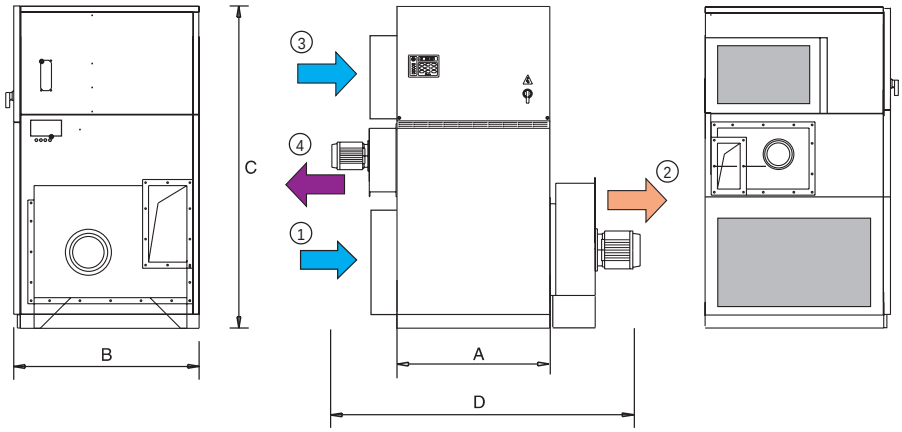


Munters

Model MX1500

Diagram measurements are for reference only.

Scaled and dimensioned AutoCAD drawings are available in Munters' DryCap program.



Width (A)	Width (D)	Depth (B)	Height (C)	Dry air	Wet air	Weight
800 mm	1629 mm	800 mm	1585 mm	200×300 mm	100×300 mm	364 kg

Technical Specifications

Process air[1]

Rated airflow (m³/s)	0,42
Rated airflow (m³/h)	1500
Available static pressure (Pa)	300
Fan motor power (kW)	1,5

Reactivation air[1]

Rated airflow (m³/s)	0,14
Rated airflow (m³/h)	500
Available static pressure (Pa)	300
Fan motor power (kW)	1,1

Total power, voltage and current (amphs/phase)	Reactivation Elec-trical	Steam/ Gas
Total power (kW)	18,18	2,88
200V 3~50/60Hz (A)	55,7	11,5
220V 3~50/60Hz (A)	51,6	11,4
230V 3~50/60Hz (A)	49,7	11,3
380V 3~50/60Hz (A)	29,6	6,5
400V 3~50Hz (A)	28,7	6,5
415V 3~50Hz (A)	27,8	6,5
440V 3~60Hz (A)	26,5	6,4
500V 3~50Hz (A)	22,9	5,2
Steam consumption[2] (g/s)		7,2
Max steam working pressure (bar)		7
Gas consumption[3] (m³/h)		1,56
Natural gas pressure (mbar)		12–99

Max sulphur content (ppm)	
HPS Rotor	30
Standard gas line fitting (BSP)	3/4"

Reactivation air heater

Heater power (kW)	15,3
Temperature increase across heater (°C)	92

Miscellaneous data

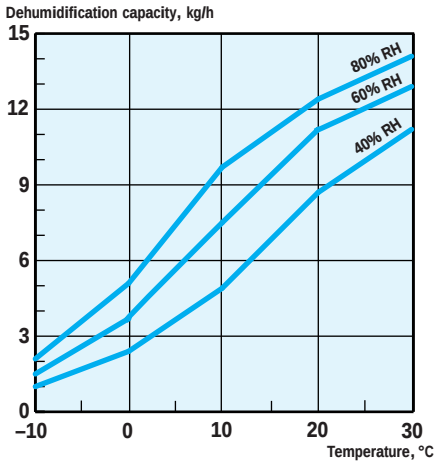
Operating temperature (°C)	–20 / +40
Drive motor power (W)	10
Max noise level unducted (dBA)	75
Air filter, standard	EU3
IEC protective class	
(unit)	IP44
(electrical panel)	IP54
Fan motor winding insulation grade	Class F
Drive motor winding insulation grade	Class F
High temperature cut-out (°C)	160±5
MX(B),MXT(B) Electrical equipment	
Connection plug, remote automatic control	Standard
Connection plug, total alarm	Standard

[1] Stated performance based on 20°C and air density of 1,2kg/m³
[2] Steam consumption calculated at 2106,6 kJ/kg at 500kPa (g)
[3] Gas consumption calculated at 30,88 MJ/m³

Dehumidification capacity

Approximate capacity in kg/h.
For more detailed information, please contact your nearest Munters location or refer to Munters' DryCap program.

1. Process air temperature, °C
2. Process air relative humidity, % RH
3. Dehumidification capacity, kg/h (moisture removal kg/hour)



Options

Standard equipment includes choice of internal reactivation heater (electric, steam, or gas) and choice of control panel (microprocessor-based control or base control).

- Blocked filter alarm
- Rotor stopped alarm
- Remote control with separate control relay
- Humidity control system with alarm and display
  Refer to the RH98 product data sheet
- Isolated process air inlet (at precooling)
- Pushing process air fan
- High capacity EU7 filter (process and reactivation air inlets)
- By-pass channel with damper and actuator
- Additional rotor section for low dewpoints and/or heat recovery
- Reversible assembly for optional left or right hand process air and reactivation air connection
- Stainless steel sheet metal casing

Distributor

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MUNTERS PRODUCT INFORMATION

MX Series Desiccant Dehumidifier

Complete Dehumidification Package

MX2100

Performance and Reliability

- Desiccant dehumidification – high efficiency, even below 0° C
- Rotor configuration option – high capacity with very low dewpoints
- Reactivation heater choice – economical operating costs
- Rugged ALUZINK® frame and panels – corrosion resistant construction
- Efficiently designed electrical system – enhanced reliability

Installation and Operation

- Microprocessor based control – system functions and operation status display
- Base control – start / stop / humidistat and diagnostic fault display
- Remote automatic control and display – adaptable to the application
- Pressure and airflow test points – built-in confidence
- Easily removed access panels – fast installation and service
- Replaceable EU3 filter – enhances air quality
- Reinforced frame for fork-lifts and cranes – eases installation and service
- Unit requires minimal floor area – allows installation in confined spaces
- Duct connections conform to ISO 7807 standards – simplifies air duct installation

Product Description

The MX2100 desiccant dehumidifier is designed to efficiently dehumidify in low moisture applications. Its airtight construction delivers accurate conditions and optional features provide versatility to adapt the system for specific applications. Its rugged formed metal frame and access panels are produced from corrosion resistant ALUZINK®. Standard equipment includes either a base control package or an optional microprocessor-based controller.

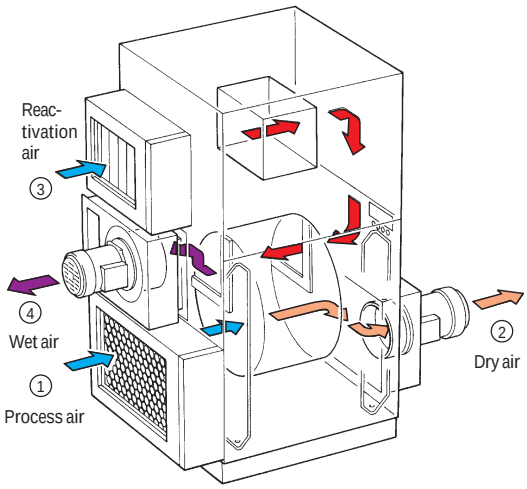
The electrical control system conforms to EN 60204 (IEC204) standards. The electrical components are mounted on busbars and are constructed of halogen-free plastic. The electrical system is designed for up to 690V and 60° C.

MX Series dehumidifiers conform to both harmonised European Standards and to CE marking specifications.

Munters Rotor Technology

The desiccant rotor is manufactured from a corrugated composite material that is highly effective at attracting and holding water vapour. Every Munters dehumidifier applies a unique rotor technology. Airflows, air conditions, rotor sections, and rotor rotation speeds are optimised for specific applications. An innovative control system maximises the units energy efficiency.

A characteristic of the MX Series rotor technology is the precision seals which divide the air distribution chamber. These provide a precise airflow balance for dehumidification and reactivation while allowing for alternative fan placement and rotor sectioning. Additional sectors for low dewpoints and heat recovery are optional.

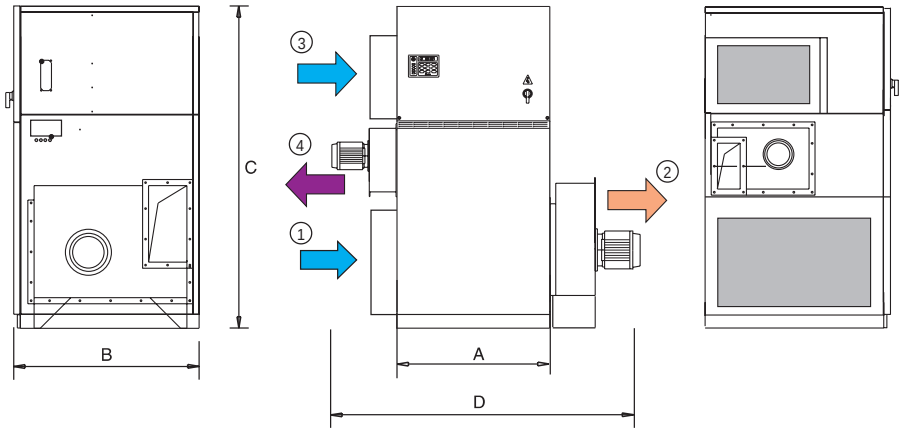


Munters

Model MX2100

Diagram measurements are for reference only.

Scaled and dimensioned AutoCAD drawings are available in Munters' DryCap program.



Width (A)	Width (D)	Depth (B)	Height (C)	Dry air	Wet air	Weight
800 mm	1670 mm	800 mm	1585 mm	200×300 mm	100×300 mm	372 kg

Technical Specifications

Process air[1]

Rated airflow (m³/s)	0,58
Rated airflow (m³/h)	2100
Available static pressure (Pa)	300
Fan motor power (kW)	2,2

Reactivation air[1]

Rated airflow (m³/s)	0,19
Rated airflow (m³/h)	680
Available static pressure (Pa)	300
Fan motor power (kW)	1,5

Total power, voltage and current (amphs/phase)	Reactivation Elec-trical	Steam/ Gas
Total power (kW)	26,48	3,98
200V 3~50/60Hz (A)	80,4	15,3
220V 3~50/60Hz (A)	74,3	15,2
230V 3~50/60Hz (A)	71,4	15,0
380V 3~50/60Hz (A)	42,9	8,7
400V 3~50Hz (A)	41,1	8,7
415V 3~50Hz (A)	39,9	8,7
440V 3~60Hz (A)	37,8	8,4
500V 3~50Hz (A)	33,0	6,9

Steam consumption[2] (g/s) 10,66
Max steam working pressure (bar) 7
Gas consumption[3] (m³/h) 2,29
Natural gas pressure (mbar) 12–99
Max sulphur content (ppm)
HPS Rotor 30
Standard gas line fitting (BSP) 3/4"

Reactivation air

Heater power (kW) 22,5
Temperature increase across heater (°C) 96

Miscellaneous data

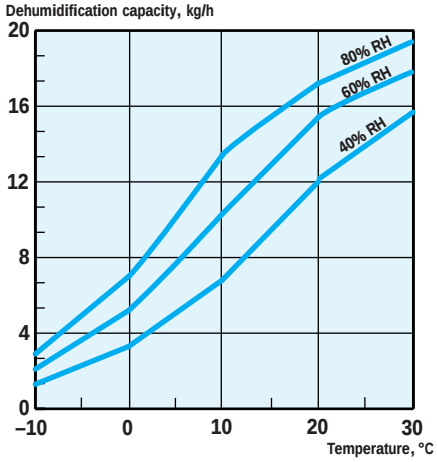
Operating temperature (°C) –20/+40
Drive motor power (W) 10
Max noise level unducted (dBA) 75
Air filter, standard EU3
IEC protective class
(unit) IP44
(electrical panel) IP54
Fan motor winding insulation grade Class F
Drive motor winding insulation grade Class F
High temperature cut-out (°C) 160±5
MX(B),MXT(B) Electrical equipment
Connection plug, remote automatic control Standard
Connection plug, total alarm Standard

[1] Stated performance based on 20°C and air density of 1,2kg/m³
[2] Steam consumption calculated at 2106,6 kJ/kg at 500kPa (g)
[3] Gas consumption calculated at 30,88 MJ/m³

Dehumidification capacity

Approximate capacity in kg/h.
For more detailed information, please contact your nearest Munters location or refer to Munters' DryCap program.

1. Process air temperature, °C
2. Process air relative humidity, % RH
3. Dehumidification capacity, kg/h (moisture removal kg/hour)



Options

Standard equipment includes choice of internal reactivation heater (electric, steam, or gas) and choice of control panel (microprocessor-based control or base control).

- Blocked filter alarm
- Rotor stopped alarm
- Remote control with separate control relay
- Humidity control system with alarm and display
  Refer to the RH98 product data sheet
- Isolated process air inlet (at precooling)
- Pushing process air fan
- High capacity EU7 filter (process and reactivation air inlets)
- By-pass channel with damper and actuator
- Additional rotor section for low dewpoints and/or heat recovery
- Reversible assembly for optional left or right hand process air and reactivation air connection
- Stainless steel sheet metal casing

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MX Series Desiccant Dehumidifier

Complete Dehumidification Package

MX2700

Performance and Reliability

- Desiccant dehumidification – high efficiency, even below 0° C
- Rotor configuration option – high capacity with very low dewpoints
- Reactivation heater choice – economical operating costs
- Rugged ALUZINK® frame and panels – corrosion resistant construction
- Efficiently designed electrical system – enhanced reliability

Installation and Operation

- Microprocessor based control – system functions and operation status display
- Base control – start / stop / humidistat and diagnostic fault display
- Remote automatic control and display – adaptable to the application
- Pressure and airflow test points – built-in confidence
- Easily removed access panels – fast installation and service
- Replaceable EU3 filter – enhances air quality
- Reinforced frame for fork-lifts and cranes – eases installation and service
- Unit requires minimal floor area – allows installation in confined spaces
- Duct connections conform to ISO 7807 standards – simplifies air duct installation

Product Description

The MX2700 desiccant dehumidifier is designed to efficiently dehumidify in low moisture applications. Its airtight construction delivers accurate conditions and optional features provide versatility to adapt the system for specific applications. Its rugged formed metal frame and access panels are produced from corrosion resistant ALUZINK®. Standard equipment includes either a base control package or an optional microprocessor-based controller.

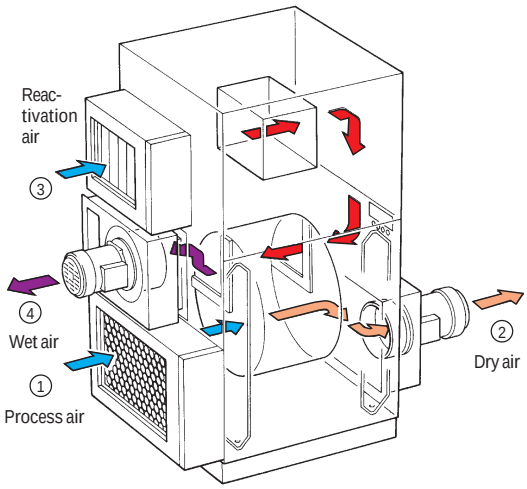
The electrical control system conforms to EN 60204 (IEC204) standards. The electrical components are mounted on busbars and are constructed of halogen-free plastic. The electrical system is designed for up to 690V and 60° C.

MX Series dehumidifiers conform to both harmonised European Standards and to CE marking specifications.

Munters Rotor Technology

The desiccant rotor is manufactured from a corrugated composite material that is highly effective at attracting and holding water vapour. Every Munters dehumidifier applies a unique rotor technology. Airflows, air conditions, rotor sections, and rotor rotation speeds are optimised for specific applications. An innovative control system maximises the units energy efficiency.

A characteristic of the MX Series rotor technology is the precision seals which divide the air distribution chamber. These provide a precise airflow balance for dehumidification and reactivation while allowing for alternative fan placement and rotor sectioning. Additional sectors for low dewpoints and heat recovery are optional.

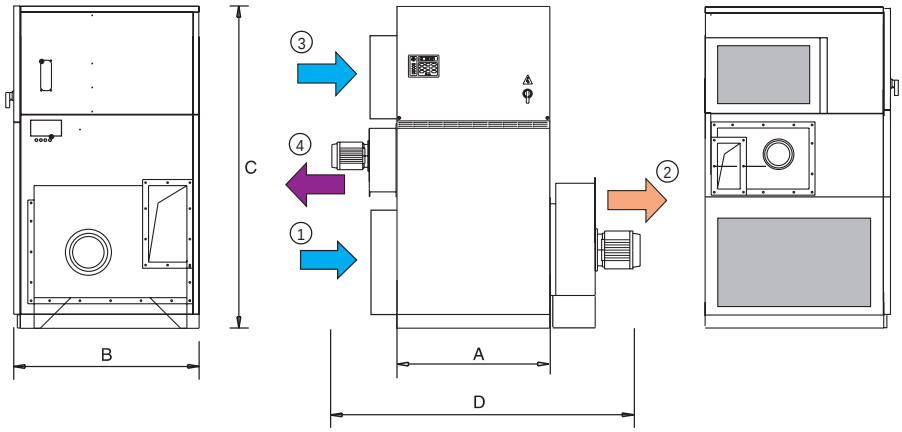


Munters

Model MX2700

Diagram measurements are for reference only.

Scaled and dimensioned AutoCAD drawings are available in Munters' DryCap program.



Width (A)	Width (D)	Depth (B)	Height (C)	Dry air	Wet air	Weight
800 mm	1695 mm	800 mm	1585 mm	200×300 mm	100×300 mm	380 kg

Technical Specifications

Process air[1]

Rated airflow (m³/s) 0,75
Rated airflow (m³/h) 2700
Available static pressure (Pa) 300
Fan motor power (kW) 3,0

Reactivation air[1]

Rated airflow (m³/s) 0,25
Rated airflow (m³/h) 900
Available static pressure (Pa) 300
Fan motor power (kW) 1,5

Total power, voltage and current (amphs/phase)	Reactivation Elec-trical	Steam/ Gas
Total power (kW)	35,38	4,78
200V 3~50/60Hz (A)	106,1	17,9
220V 3~50/60Hz (A)	98,3	17,9
230V 3~50/60Hz (A)	94,6	17,8
380V 3~50/60Hz (A)	56,7	10,2
400V 3~50Hz (A)	54,4	10,3
415V 3~50Hz (A)	52,8	10,2
440V 3~60Hz (A)	50,3	10,1
500V 3~50Hz (A)	43,6	8,2

Steam consumption[2] (g/s) 14,51
Max steam working pressure (bar) 7
Gas consumption[3] (m³/h) 3,12
Natural gas pressure (mbar) 12–99
Max sulphur content (ppm)
HPS Rotor 30
Standard gas line fitting (BSP) 3/4"

Reactivation air heater

Heater power (kW) 30,6
Temperature increase across heater (°C) 102

Miscellaneous data

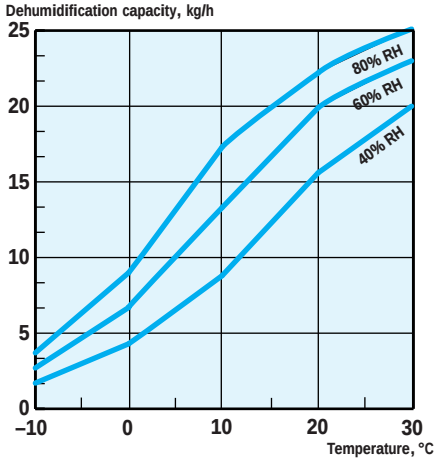
Operating temperature (°C) –20 / +40
Drive motor power (W) 10
Max noise level unducted (dBA) 78
Air filter, standard EU3
IEC protective class
(unit) IP44
(electrical panel) IP54
Fan motor winding insulation grade Class F
Drive motor winding insulation grade Class F
High temperature cut-out (°C) 160±5
MX(B),MXT(B) Electrical equipment
Connection plug, remote automatic control Standard
Connection plug, total alarm Standard

[1] Stated performance based on 20°C and air density of 1,2kg/m³
[2] Steam consumption calculated at 2106,6 kJ/kg at 500kPa (g)
[3] Gas consumption calculated at 30,88 MJ/m³

Dehumidification capacity

Approximate capacity in kg/h.
For more detailed information, please contact your nearest Munters location or refer to Munters' DryCap program.

1. Process air temperature, °C
2. Process air relative humidity, % RH
3. Dehumidification capacity, kg/h (moisture removal kg/hour)



Options

Standard equipment includes choice of internal reactivation heater (electric, steam, or gas) and choice of control panel (microprocessor-based control or base control).

- Blocked filter alarm
- Rotor stopped alarm
- Remote control with separate control relay
- Humidity control system with alarm and display
  Refer to the RH98 product data sheet
- Isolated process air inlet (at precooling)
- Pushing process air fan
- High capacity EU7 filter (process and reactivation air inlets)
- By-pass channel with damper and actuator
- Additional rotor section for low dewpoints and/or heat recovery
- Reversible assembly for optional left or right hand process air and reactivation air connection
- Stainless steel sheet metal casing

Distributor

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DH/MEA/PGBint-0028-08/98

MX Series Desiccant Dehumidifier

Complete Dehumidification Package

MX3700

Performance and Reliability

- Desiccant dehumidification – high efficiency, even below 0° C
- Rotor configuration option – high capacity with very low dewpoints
- Reactivation heater choice – economical operating costs
- Rugged ALUZINK® frame and panels – corrosion resistant construction
- Efficiently designed electrical system – enhanced reliability

Installation and Operation

- Microprocessor based control – system functions and operation status display
- Base control – start / stop / humidistat and diagnostic fault display
- Remote automatic control and display – adaptable to the application
- Pressure and airflow test points – built-in confidence
- Easily removed access panels – fast installation and service
- Replaceable EU3 filter – enhances air quality
- Reinforced frame for fork-lifts and cranes – eases installation and service
- Unit requires minimal floor area – allows installation in confined spaces
- Duct connections conform to ISO 7807 standards – simplifies air duct installation

Product Description

The MX3700 desiccant dehumidifier is designed to efficiently dehumidify in low moisture applications. Its airtight construction delivers accurate conditions and optional features provide versatility to adapt the system for specific applications. Its rugged formed metal frame and access panels are produced from corrosion resistant ALUZINK®. Standard equipment includes either a base control package or an optional microprocessor-based controller.

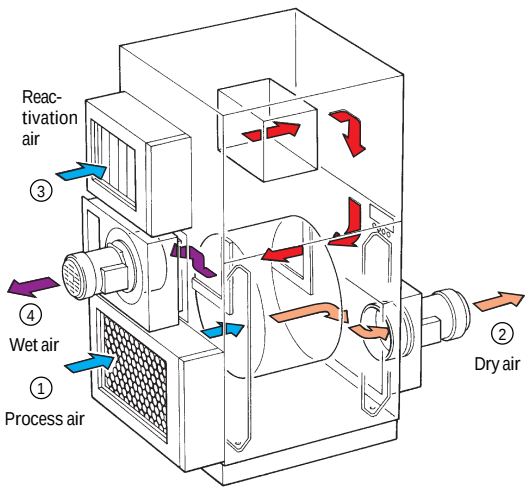
The electrical control system conforms to EN 60204 (IEC204) standards. The electrical components are mounted on busbars and are constructed of halogen-free plastic. The electrical system is designed for up to 690V and 60° C.

MX Series dehumidifiers conform to both harmonised European Standards and to CE marking specifications.

Munters Rotor Technology

The desiccant rotor is manufactured from a corrugated composite material that is highly effective at attracting and holding water vapour. Every Munters dehumidifier applies a unique rotor technology. Airflows, air conditions, rotor sections, and rotor rotation speeds are optimised for specific applications. An innovative control system maximises the units energy efficiency.

A characteristic of the MX Series rotor technology is the precision seals which divide the air distribution chamber. These provide a precise airflow balance for dehumidification and reactivation while allowing for alternative fan placement and rotor sectioning. Additional sectors for low dewpoints and heat recovery are optional.

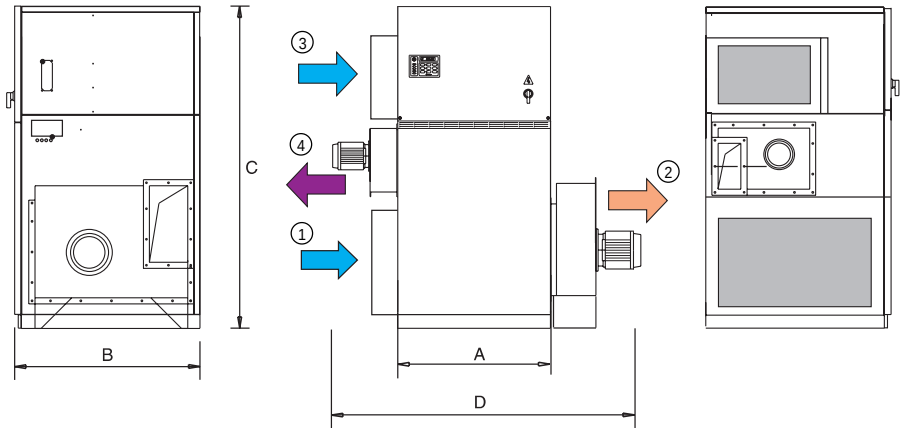


Munters

Model MX3700

Diagram measurements are for reference only.

Scaled and dimensioned AutoCAD drawings are available in Munters' DryCap program.



Width (A)	Width (D)	Depth (B)	Height (C)	Dry air	Wet air	Weight
1000 mm	2020 mm	1213 mm	2172 mm	250×500 mm	200×300 mm	687 kg

Technical Specifications

Process air[1]

Rated airflow (m³/s)	1,03
Rated airflow (m³/h)	3700
Available static pressure (Pa)	300
Fan motor power (kW)	3,0

Reactivation air[1]

Rated airflow (m³/s)	0,34
Rated airflow (m³/h)	1220
Available static pressure (Pa)	300
Fan motor power (kW)	1,5

Total power, voltage and current (amphs/phase)	Reactivation Electrical	Steam/Gas
Total power (kW)	41,78	3,98
200V 3~50/60Hz (A)	124,5	15,3
220V 3~50/60Hz (A)	114,5	15,2
230V 3~50/60Hz (A)	109,8	15,0
380V 3~50/60Hz (A)	66,0	8,7
400V 3~50Hz (A)	63,3	8,7
415V 3~50Hz (A)	61,2	8,7
440V 3~60Hz (A)	57,9	8,4
500V 3~50Hz (A)	50,4	6,9
Steam consumption[2] (g/s)		17,92
Max steam working pressure (bar)		7
Gas consumption[3] (m³/h)		3,84
Natural gas pressure (mbar)		12–99

Max sulphur content (ppm)	
HPS Rotor	30
Standard gas line fitting (BSP)	3/4"

Reactivation air heater

Heater power (kW)	37,8
Temperature increase across heater (°C)	92

Miscellaneous data

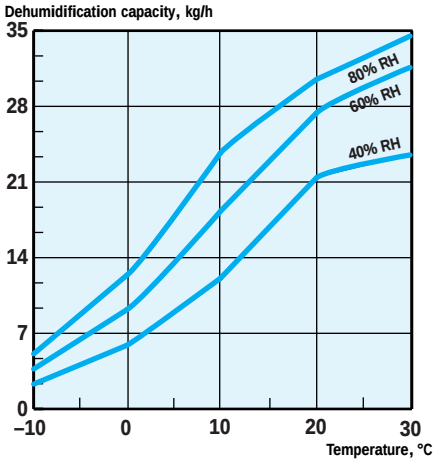
Operating temperature (°C)	–20 / +40
Drive motor power (W)	10
Max noise level unducted (dBA)	87
Air filter, standard	EU3
IEC protective class	
(unit)	IP44
(electrical panel)	IP54
Fan motor winding insulation grade	Class F
Drive motor winding insulation grade	Class F
High temperature cut-out (°C)	160±5
MX(B),MXT(B) Electrical equipment	
Connection plug, remote automatic control	Standard
Connection plug, total alarm	Standard

[1] Stated performance based on 20°C and air density of 1,2kg/m³
[2] Steam consumption calculated at 2106,6 kJ/kg at 500kPa (g)
[3] Gas consumption calculated at 30,88 MJ/m³

Dehumidification capacity

Approximate capacity in kg/h.
For more detailed information, please contact your nearest Munters location or refer to Munters' DryCap program.

1. Process air temperature, °C
2. Process air relative humidity, % RH
3. Dehumidification capacity, kg/h (moisture removal kg/hour)



Options

Standard equipment includes choice of internal reactivation heater (electric, steam, or gas) and choice of control panel (microprocessor-based control or base control).

- Blocked filter alarm
- Rotor stopped alarm
- Remote control with separate control relay
- Humidity control system with alarm and display
  Refer to the RH98 product data sheet
- Isolated process air inlet (at precooling)
- Pushing process air fan
- High capacity EU7 filter (process and reactivation air inlets)
- By-pass channel with damper and actuator
- Additional rotor section for low dewpoints and/or heat recovery
- Reversible assembly for optional left or right hand process air and reactivation air connection
- Stainless steel sheet metal casing

Subject to change without notice.

Distributor

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MUNTERS PRODUCT INFORMATION

MX Series Desiccant Dehumidifier

Complete Dehumidification Package

MX5000

Performance and Reliability

- Desiccant dehumidification – high efficiency, even below 0° C
- Rotor configuration option – high capacity with very low dewpoints
- Reactivation heater choice – economical operating costs
- Rugged ALUZINK® frame and panels – corrosion resistant construction
- Efficiently designed electrical system – enhanced reliability

Installation and Operation

- Microprocessor based control – system functions and operation status display
- Base control – start / stop / humidistat and diagnostic fault display
- Remote automatic control and display – adaptable to the application
- Pressure and airflow test points – built-in confidence
- Easily removed access panels – fast installation and service
- Replaceable EU3 filter – enhances air quality
- Reinforced frame for fork-lifts and cranes – eases installation and service
- Unit requires minimal floor area – allows installation in confined spaces
- Duct connections conform to ISO 7807 standards – simplifies air duct installation

Product Description

The MX5000 desiccant dehumidifier is designed to efficiently dehumidify in low moisture applications. Its airtight construction delivers accurate conditions and optional features provide versatility to adapt the system for specific applications. Its rugged formed metal frame and access panels are produced from corrosion resistant ALUZINK®. Standard equipment includes either a base control package or an optional microprocessor-based controller.

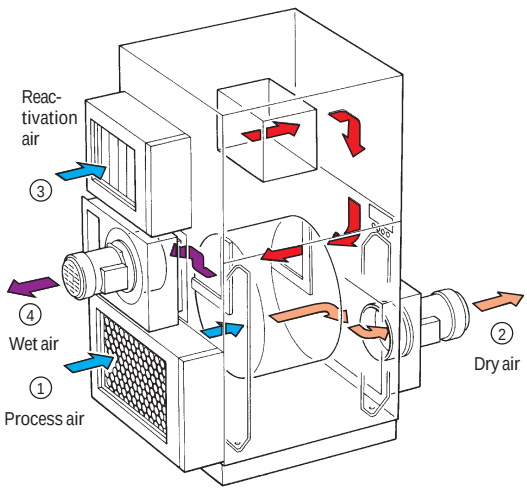
The electrical control system conforms to EN 60204 (IEC204) standards. The electrical components are mounted on busbars and are constructed of halogen-free plastic. The electrical system is designed for up to 690V and 60° C.

MX Series dehumidifiers conform to both harmonised European Standards and to CE marking specifications.

Munters Rotor Technology

The desiccant rotor is manufactured from a corrugated composite material that is highly effective at attracting and holding water vapour. Every Munters dehumidifier applies a unique rotor technology. Airflows, air conditions, rotor sections, and rotor rotation speeds are optimised for specific applications. An innovative control system maximises the units energy efficiency.

A characteristic of the MX Series rotor technology is the precision seals which divide the air distribution chamber. These provide a precise airflow balance for dehumidification and reactivation while allowing for alternative fan placement and rotor sectioning. Additional sectors for low dewpoints and heat recovery are optional.

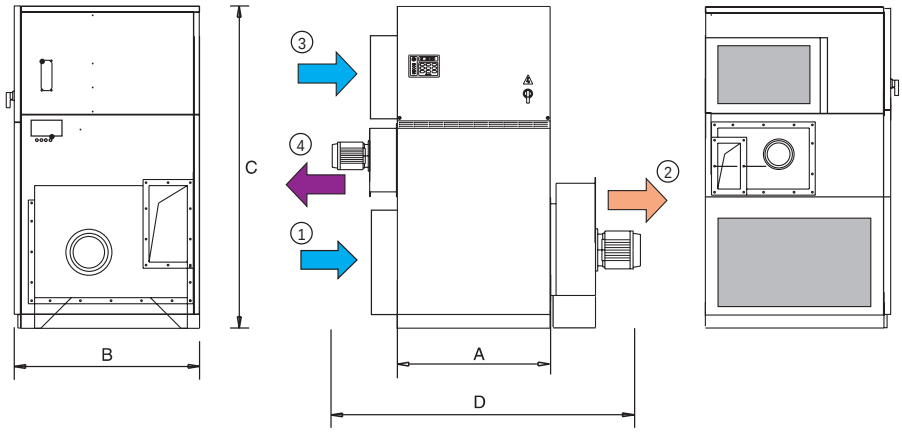


Munters

Model MX5000

Diagram measurements are for reference only.

Scaled and dimensioned AutoCAD drawings are available in Munters' DryCap program.



Width (A)	Width (D)	Depth (B)	Height (C)	Dry air	Wet air	Weight
1000 mm	2048 mm	1213 mm	2172 mm	250×500 mm	150×300 mm	724 kg

Technical Specifications

Process air[1]

Rated airflow (m³/s)	1,39
Rated airflow (m³/h)	5000
Available static pressure (Pa)	300
Fan motor power (kW)	4,0

Reactivation air[1]

Rated airflow (m³/s)	0,46
Rated airflow (m³/h)	1660
Available static pressure (Pa)	300
Fan motor power (kW)	2,2

Total power, voltage and current (amphs/phase)	Reactivation Electrical	Reactivation Steam/Gas
Total power (kW)	59,58	6,48
200V 3~50/60Hz (A)	178,0	24,7
220V 3~50/60Hz (A)	163,0	23,5
230V 3~50/60Hz (A)	156,0	22,8
380V 3~50/60Hz (A)	94,2	13,5
400V 3~50Hz (A)	89,7	13,2
415V 3~50Hz (A)	86,8	13,0
440V 3~60Hz (A)	82,6	13,0
500V 3~50Hz (A)	71,6	10,4
Steam consumption[2] (g/s)		25,18
Max steam working pressure (bar)		7
Gas consumption[3] (m³/h)		5,40
Natural gas pressure (mbar)		12–99
Max sulphur content (ppm) HPS Rotor		30
Standard gas line fitting (BSP)		3/4"

Reactivation air heater

Heater power (kW)	53,1
Temperature increase across heater (ºC)	96

Miscellaneous data

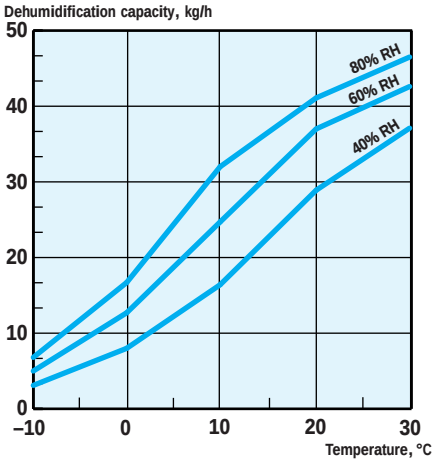
Operating temperature (ºC)	–20 / +40
Drive motor power (W)	10
Max noise level unducted (dBA)	90
Air filter, standard	EU3
IEC protective class (unit)	IP44
(electrical panel)	IP54
Fan motor winding insulation grade	Class F
Drive motor winding insulation grade	Class F
High temperature cut-out (ºC)	160±5
MX(B),MXT(B) Electrical equipment	
Connection plug, remote automatic control	Standard
Connection plug, total alarm	Standard

[1] Stated performance based on 20ºC and air density of 1,2kg/m³
[2] Steam consumption calculated at 2106,6 kJ/kg at 500kPa (g)
[3] Gas consumption calculated at 30,88 MJ/m³

Dehumidification capacity

Approximate capacity in kg/h.
For more detailed information, please contact your nearest Munters location or refer to Munters' DryCap program.

1. Process air temperature, ºC
2. Process air relative humidity, % RH
3. Dehumidification capacity, kg/h (moisture removal kg/hour)



Options

Standard equipment includes choice of internal reactivation heater (electric, steam, or gas) and choice of control panel (microprocessor-based control or base control).

- Blocked filter alarm
- Rotor stopped alarm
- Remote control with separate control relay
- Humidity control system with alarm and display
  Refer to the RH98 product data sheet
- Isolated process air inlet (at precooling)
- Pushing process air fan
- High capacity EU7 filter (process and reactivation air inlets)
- By-pass channel with damper and actuator
- Additional rotor section for low dewpoints and/or heat recovery
- Reversible assembly for optional left or right hand process air and reactivation air connection
- Stainless steel sheet metal casing

Subject to change without notice.

Distributor

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MX Series Desiccant Dehumidifier

Complete Dehumidification Package

MX6200

Performance and Reliability

- Desiccant dehumidification – high efficiency, even below 0° C
- Rotor configuration option – high capacity with very low dewpoints
- Reactivation heater choice – economical operating costs
- Rugged ALUZINK® frame and panels – corrosion resistant construction
- Efficiently designed electrical system – enhanced reliability

Installation and Operation

- Microprocessor based control – system functions and operation status display
- Base control – start / stop / humidistat and diagnostic fault display
- Remote automatic control and display – adaptable to the application
- Pressure and airflow test points – built-in confidence
- Easily removed access panels – fast installation and service
- Replaceable EU3 filter – enhances air quality
- Reinforced frame for fork-lifts and cranes – eases installation and service
- Unit requires minimal floor area – allows installation in confined spaces
- Duct connections conform to ISO 7807 standards – simplifies air duct installation

Product Description

The MX6200 desiccant dehumidifier is designed to efficiently dehumidify in low moisture applications. Its airtight construction delivers accurate conditions and optional features provide versatility to adapt the system for specific applications. Its rugged formed metal frame and access panels are produced from corrosion resistant ALUZINK®. Standard equipment includes either a base control package or an optional microprocessor-based controller.

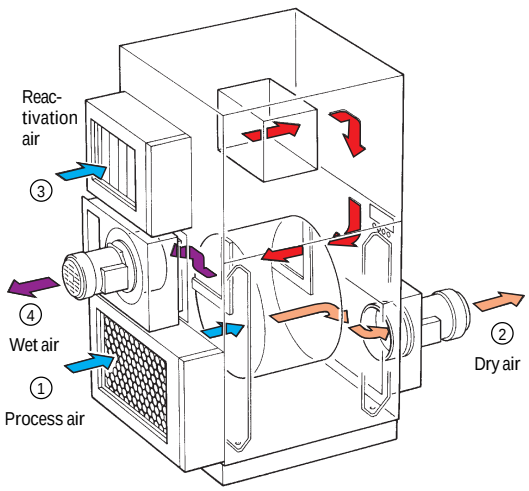
The electrical control system conforms to EN 60204 (IEC204) standards. The electrical components are mounted on busbars and are constructed of halogen-free plastic. The electrical system is designed for up to 690V and 60° C.

MX Series dehumidifiers conform to both harmonised European Standards and to CE marking specifications.

Munters Rotor Technology

The desiccant rotor is manufactured from a corrugated composite material that is highly effective at attracting and holding water vapour. Every Munters dehumidifier applies a unique rotor technology. Airflows, air conditions, rotor sections, and rotor rotation speeds are optimised for specific applications. An innovative control system maximises the units energy efficiency.

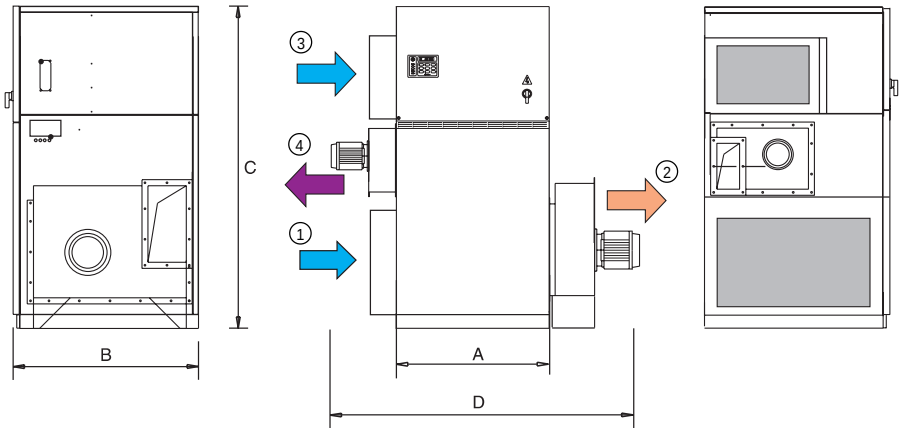
A characteristic of the MX Series rotor technology is the precision seals which divide the air distribution chamber. These provide a precise airflow balance for dehumidification and reactivation while allowing for alternative fan placement and rotor sectioning. Additional sectors for low dewpoints and heat recovery are optional.



Model MX6200

Diagram measurements are for reference only.

Scaled and dimensioned AutoCAD drawings are available in Munters' DryCap program.



Width (A)	Width (D)	Depth (B)	Height (C)	Dry air	Wet air	Weight
1000 mm	2111 mm	1213 mm	2172 mm	300×400 mm	150×300 mm	764 kg

Technical Specifications

Process air[1]

Rated airflow (m³/s)	1,72
Rated airflow (m³/h)	6200
Available static pressure (Pa)	300
Fan motor power (kW)	4,0

Reactivation air[1]

Rated airflow (m³/s)	0,57
Rated airflow (m³/h)	2050
Available static pressure (Pa)	300
Fan motor power (kW)	2,2

Total power, voltage and current (amphs/phase)	Reactivation Elec-trical	Steam/ Gas
Total power (kW)	73,98	6,48
200V 3~50/60Hz (A)	219,7	24,7
220V 3~50/60Hz (A)	200,5	23,5
230V 3~50/60Hz (A)	192,3	22,8
380V 3~50/60Hz (A)	116,1	13,5
400V 3~50Hz (A)	110,7	13,2
415V 3~50Hz (A)	106,9	13,0
440V 3~60Hz (A)	101,5	13,0
500V 3~50Hz (A)	88,4	10,4

Steam consumption[2] (g/s)	32,01
Max steam working pressure (bar)	7
Gas consumption[3] (m³/h)	6,86
Natural gas pressure (mbar)	12–99
Max sulphur content (ppm) HPS Rotor	30
Standard gas line fitting (BSP)	3/4"

Reactivation air heater

Heater power (kW)	67,50
Temperature increase across heater (°C)	98

Miscellaneous data

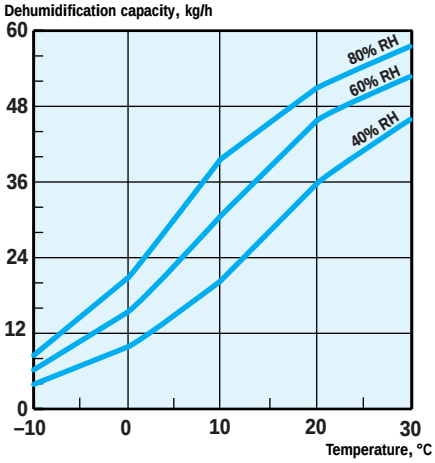
Operating temperature (°C)	–20 / +40
Drive motor power (W)	10
Max noise level unducted (dBA)	97
Air filter, standard	EU3
IEC protective class (unit)	IP44
(electrical panel)	IP54
Fan motor winding insulation grade	Class F
Drive motor winding insulation grade	Class F
High temperature cut-out (°C)	160±5
MX(B),MXT(B) Electrical equipment	
Connection plug, remote automatic control	Standard
Connection plug, total alarm	Standard

[1] Stated performance based on 20°C and air density of 1,2kg/m³
[2] Steam consumption calculated at 2106,6 kJ/kg at 500kPa (g)
[3] Gas consumption calculated at 30,88 MJ/m³

Dehumidification capacity

Approximate capacity in kg/h.
For more detailed information, please contact your nearest Munters location or refer to Munters' DryCap program.

1. Process air temperature, °C
2. Process air relative humidity, % RH
3. Dehumidification capacity, kg/h (moisture removal kg/hour)



Options

Standard equipment includes choice of internal reactivation heater (electric, steam, or gas) and choice of control panel (microprocessor-based control or base control).

- Blocked filter alarm
- Rotor stopped alarm
- Remote control with separate control relay
- Humidity control system with alarm and display
  Refer to the RH98 product data sheet
- Isolated process air inlet (at precooling)
- Pushing process air fan
- High capacity EU7 filter (process and reactivation air inlets)
- By-pass channel with damper and actuator
- Additional rotor section for low dewpoints and/or heat recovery
- Reversible assembly for optional left or right hand process air and reactivation air connection
- Stainless steel sheet metal casing

Distributor

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MUNTERS PRODUCT INFORMATION

MX Series Desiccant Dehumidifier

Complete Dehumidification Package

MX7600

Performance and Reliability

- Desiccant dehumidification – high efficiency, even below 0° C
- Rotor configuration option – high capacity with very low dewpoints
- Reactivation heater choice – economical operating costs
- Rugged ALUZINK® frame and panels – corrosion resistant construction
- Efficiently designed electrical system – enhanced reliability

Installation and Operation

- Microprocessor based control – system functions and operation status display
- Base control – start / stop / humidistat and diagnostic fault display
- Remote automatic control and display – adaptable to the application
- Pressure and airflow test points – built-in confidence
- Easily removed access panels – fast installation and service
- Replaceable EU3 filter – enhances air quality
- Reinforced frame for fork-lifts and cranes – eases installation and service
- Unit requires minimal floor area – allows installation in confined spaces
- Duct connections conform to ISO 7807 standards – simplifies air duct installation

Product Description

The MX7600 desiccant dehumidifier is designed to efficiently dehumidify in low moisture applications. Its airtight construction delivers accurate conditions and optional features provide versatility to adapt the system for specific applications. Its rugged formed metal frame and access panels are produced from corrosion resistant ALUZINK®. Standard equipment includes either a base control package or an optional microprocessor-based controller.

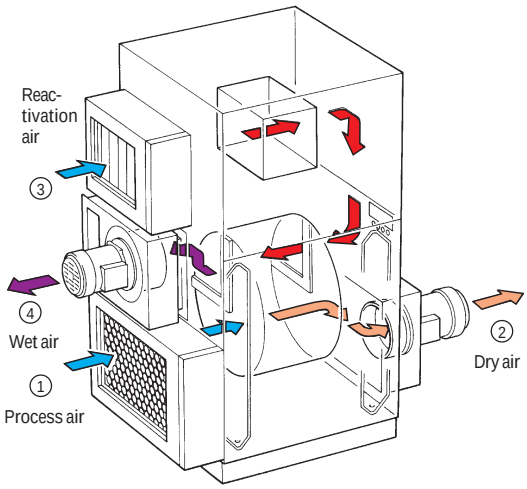
The electrical control system conforms to EN 60204 (IEC204) standards. The electrical components are mounted on busbars and are constructed of halogen-free plastic. The electrical system is designed for up to 690V and 60° C.

MX Series dehumidifiers conform to both harmonised European Standards and to CE marking specifications.

Munters Rotor Technology

The desiccant rotor is manufactured from a corrugated composite material that is highly effective at attracting and holding water vapour. Every Munters dehumidifier applies a unique rotor technology. Airflows, air conditions, rotor sections, and rotor rotation speeds are optimised for specific applications. An innovative control system maximises the units energy efficiency.

A characteristic of the MX Series rotor technology is the precision seals which divide the air distribution chamber. These provide a precise airflow balance for dehumidification and reactivation while allowing for alternative fan placement and rotor sectioning. Additional sectors for low dewpoints and heat recovery are optional.

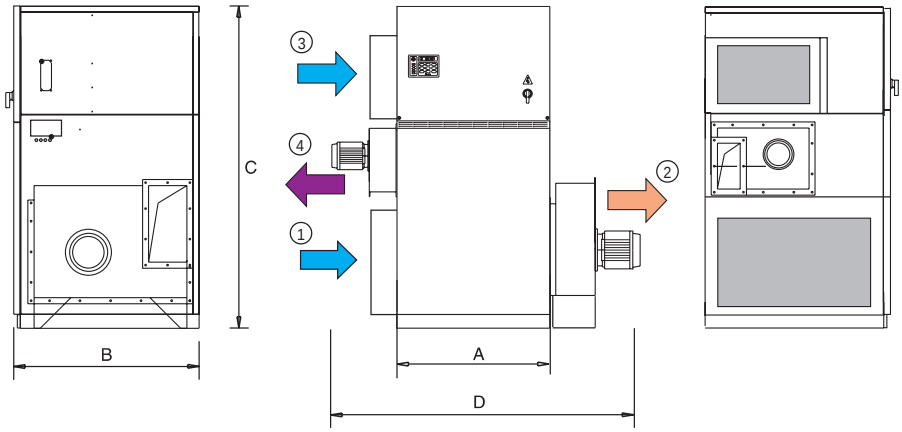


Munters

Model MX7600

Diagram measurements are for reference only.

Scaled and dimensioned AutoCAD drawings are available in Munters' DryCap program.



Width (A)	Width (D)	Depth (B)	Height (C)	Dry air	Wet air	Weight
1000 mm	2254 mm	1213 mm	2172 mm	300×400 mm	150×300 mm	810 kg

Technical Specifications

Process air[1]

Rated airflow (m³/s)	2,11
Rated airflow (m³/h)	7600
Available static pressure (Pa)	300
Fan motor power (kW)	5,5

Reactivation air[1]

Rated airflow (m³/s)	0,70
Rated airflow (m³/h)	2520
Available static pressure (Pa)	300
Fan motor power (kW)	3,0

Total power, voltage and current (amphs/phase)	Reactivation Electrical	Steam/Gas
Total power (kW)	91,68	8,78
200V 3~50/60Hz (A)	271,3	32,2
220V 3~50/60Hz (A)	247,7	30,5
230V 3~50/60Hz (A)	237,6	29,7
380V 3~50/60Hz (A)	143,2	17,5
400V 3~50Hz (A)	136,5	17,1
415V 3~50Hz (A)	132,0	16,8
440V 3~60Hz (A)	125,9	17,3
500V 3~50Hz (A)	109,3	13,6
Steam consumption[2] (g/s)		39,27
Max steam working pressure (bar)		7
Gas consumption[3] (m³/h)		8,42
Natural gas pressure (mbar)		12–99

Max sulphur content (ppm)
HPS Rotor 30
Standard gas line fitting (BSP) 3/4"

Reactivation air heater

Heater power (kW)	82,9
Temperature increase across heater (°C)	98

Miscellaneous data

Operating temperature (°C)	–20 / +40
Drive motor power (W)	10
Max noise level unducted (dBA)	97
Air filter, standard	EU3
IEC protective class (unit)	IP44
(electrical panel)	IP54
Fan motor winding insulation grade	Class F
Drive motor winding insulation grade	Class F
High temperature cut-out (°C)	160±5

MX(B),MXT(B) Electrical equipment

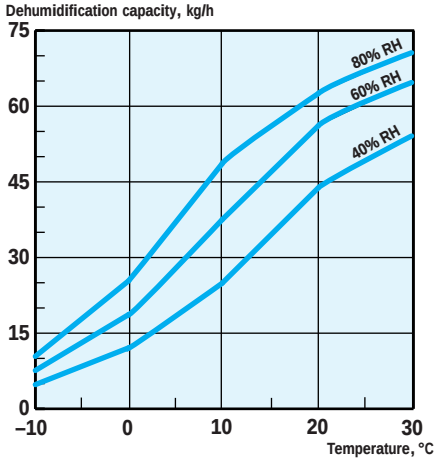
Connection plug, remote automatic control	Standard
Connection plug, total alarm	Standard

[1] Stated performance based on 20°C and air density of 1,2kg/m³
[2] Steam consumption calculated at 2106,6 kJ/kg at 500kPa (g)
[3] Gas consumption calculated at 30,88 MJ/m3

Dehumidification capacity

Approximate capacity in kg/h.
For more detailed information, please contact your nearest Munters location or refer to Munters' DryCap program.

1. Process air temperature, °C
2. Process air relative humidity, % RH
3. Dehumidification capacity, kg/h (moisture removal kg/hour)



Options

Standard equipment includes choice of internal reactivation heater (electric, steam, or gas) and choice of control panel (microprocessor-based control or base control).

- Blocked filter alarm
- Rotor stopped alarm
- Remote control with separate control relay
- Humidity control system with alarm and display
  Refer to the RH98 product data sheet
- Isolated process air inlet (at precooling)
- Pushing process air fan
- High capacity EU7 filter (process and reactivation air inlets)
- By-pass channel with damper and actuator
- Additional rotor section for low dewpoints and/or heat recovery
- Reversible assembly for optional left or right hand process air and reactivation air connection
- Stainless steel sheet metal casing

Distributor

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DH/MEA/PGBint-0032-08/98

MXT Series Desiccant Dehumidifier

Complete Dehumidification Package

MXT2100

Product Description

The MXT2100 desiccant dehumidifier is designed to effectively dehumidify high airflow applications using minimal energy. Its airtight construction delivers accurate conditions and optional features provide versatility to adapt the system for specific applications. Its rugged formed metal frame and access panels are produced from corrosion resistant ALUZINK®. Standard equipment includes either a base control package or an optional microprocessor-based controller.

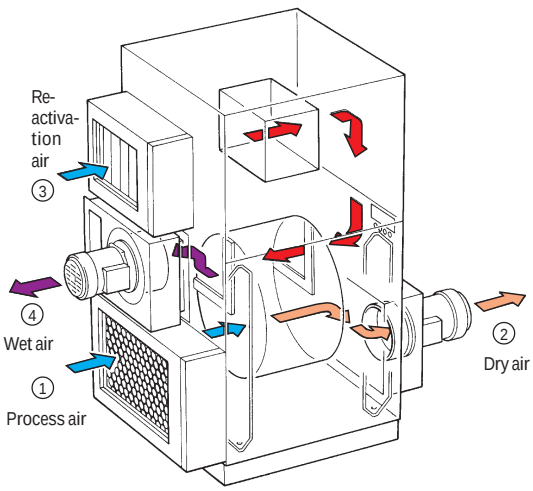
The electrical control system conforms to EN 60204 (IEC204) standards. The electrical components are mounted on busbars and are constructed of halogen-free plastic. The electrical system is designed for up to 690V and 60° C.

MXT Series dehumidifiers conform to both harmonised European Standards and to CE marking specifications.

Munters Rotor Technology

The desiccant rotor is manufactured from a corrugated composite material that is highly effective at attracting and holding water vapour. Every Munters dehumidifier applies a unique rotor technology. Airflows, air conditions, rotor sections, and rotor rotation speeds are optimised for specific applications. An innovative control system maximises the units energy efficiency.

A characteristic of the MXT Series rotor technology is the precision seals which divide the air distribution chamber. These provide a precise airflow balance for dehumidification and reactivation while allowing for alternative fan placement and rotor sectioning.



Performance and Reliability

- Desiccant dehumidification – high efficiency, even below 0° C
- Applied rotor technology – high capacity using minimal energy
- Reactivation heater choice – economical operating costs
- Rugged ALUZINK® frame and panels – corrosion resistant construction
- Efficiently designed electrical system – enhanced reliability

Installation and Operation

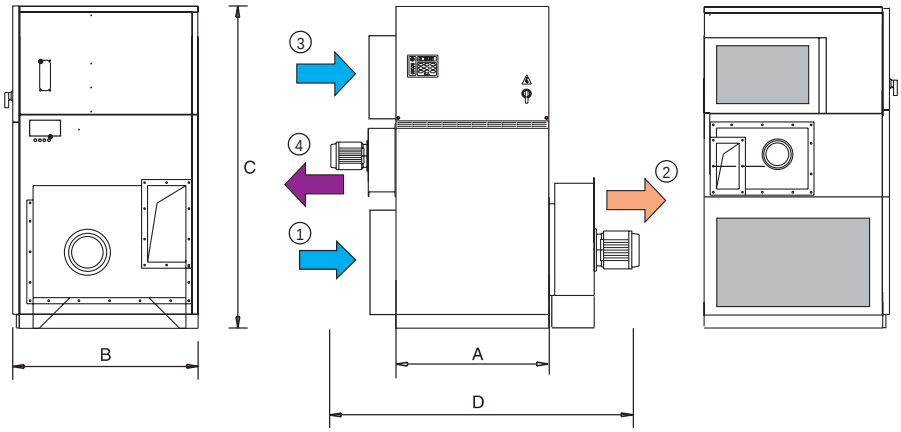
- Microprocessor based control – system functions and operation status display
- Base control – start / stop / humidistat and diagnostic fault display
- Remote automatic control and display – adaptable to the application
- Pressure and airflow test points – built-in confidence
- Easily removed access panels – fast installation and service
- Replaceable EU3 filter – enhances air quality (optional EU7 filter)
- Reinforced frame for fork-lifts and cranes – eases installation and service
- Unit requires minimal floor area – allows installation in confined spaces
- Duct connections conform to ISO 7807 standards – simplifies air duct installation

Munters

Model MXT2100

Diagram measurements are for reference only.

Scaled and dimensioned AutoCAD drawings are available in Munters' DryCap program.



Width (A)	Width (D)	Depth (B)	Height (C)	Dry air	Wet air	Weight
800 mm	1654 mm	800 mm	1585 mm	200×300 mm	100×300 mm	372kg

Technical Specifications

Process air[1]

Rated airflow (m³/s)	0,58
Rated airflow (m³/h)	2100
Available static pressure (Pa)	150
Fan motor power (kW)	2,2

Reactivation air[1]

Rated airflow (m³/s)	0,14
Rated airflow (m³/h)	500
Available static pressure (Pa)	300
Fan motor power (kW)	1,1

Total power, voltage and current (amphs/phase)	Reactivation Electrical	Reactivation Steam/Gas
Total power (kW)	18,88	3,58
200V 3~50/60Hz (A)	57,9	13,7
220V 3~50/60Hz (A)	53,7	13,5
230V 3~50/60Hz (A)	51,8	13,4
380V 3~50/60Hz (A)	30,8	7,7
400V 3~50Hz (A)	29,9	7,7
415V 3~50Hz (A)	29,0	7,7
440V 3~60Hz (A)	27,5	7,4
500V 3~50Hz (A)	23,8	6,1
Steam consumption[2] (g/s)		7,2
Max steam working pressure (bar)		7

Gas consumption[3] (m³/h)	1,56
Natural gas pressure (mbar)	12–99
Max sulphur content (ppm)	
HPS Rotor	30
Standard gas pipe fitting (BSP)	3/4"

Reactivation air heater

Heater power (kW)	15,3
Temperature increase across heater (°C)	92

Miscellaneous data

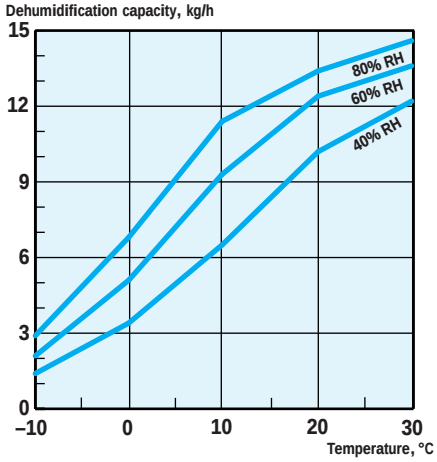
Operating temperature (°C)	–20/+40
Drive motor power (W)	10
Max noise level unducted (dBA)	75
Air filter, standard	EU3
IEC protective class	
(unit)	IP44
(electrical panel)	IP54
Winding insulation	
Fan motor grade	Class F
Drive motor grade	Class F
High temperature cut-out (°C)	160±5
MX(B, MXT(B) Electrical equipment	
Terminal connection	
remote control	Standard
general fault	Standard

[1] Stated performance based on 20°C and air density of 1,2kg/m³
[2] Steam consumption calculated at 2160,6 kJ/kg at 500kPa (g)
[3] Gas consumption calculated at 30,88 MJ/m³

Dehumidification capacity

Approximate capacity in kg/h.
For more detailed information, please contact your nearest Munters location or refer to Munters' DryCap program.

1. Process air temperature, °C
2. Process air relative humidity, % RH
3. Dehumidification capacity, kg/h moisture removal kg/hour)



Options

Standard equipment includes choice of internal reactivation heater (electric, steam, or gas) and choice of control panel (microprocessor-based control or base control).

- Blocked filter alarm
- Rotor stopped alarm
- Remote control with separate control relay
- Humidity control system with alarm and display

  Refer to the RH98 product data sheet
- High capacity EU7 filter (process and reactivation air inlets)
- By-pass channel with damper and actuator
- Reversible assembly for optional left or right hand process air and reactivation air connection
- Stainless steel sheet metal casing

Distributor

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DH/MEA/PGBint-0033-08/98

MUNTERS PRODUCT INFORMATION

MXT Series Desiccant Dehumidifier

Complete Dehumidification Package

MXT2800

Product Description

The MXT2800 desiccant dehumidifier is designed to effectively dehumidify high airflow applications using minimal energy. Its airtight construction delivers accurate conditions and optional features provide versatility to adapt the system for specific applications. Its rugged formed metal frame and access panels are produced from corrosion resistant ALUZINK®. Standard equipment includes either a base control package or an optional microprocessor-based controller.

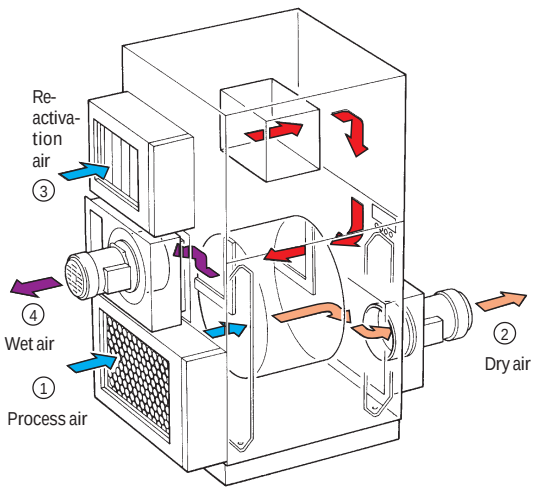
The electrical control system conforms to EN 60204 (IEC204) standards. The electrical components are mounted on busbars and are constructed of halogen-free plastic. The electrical system is designed for up to 690V and 60° C.

MXT Series dehumidifiers conform to both harmonised European Standards and to CE marking specifications.

Munters Rotor Technology

The desiccant rotor is manufactured from a corrugated composite material that is highly effective at attracting and holding water vapour. Every Munters dehumidifier applies a unique rotor technology. Airflows, air conditions, rotor sections, and rotor rotation speeds are optimised for specific applications. An innovative control system maximises the units energy efficiency.

A characteristic of the MXT Series rotor technology is the precision seals which divide the air distribution chamber. These provide a precise airflow balance for dehumidification and reactivation while allowing for alternative fan placement and rotor sectioning.



Performance and Reliability

- Desiccant dehumidification – high efficiency, even below 0° C
- Applied rotor technology – high capacity using minimal energy
- Reactivation heater choice – economical operating costs
- Rugged ALUZINK® frame and panels – corrosion resistant construction
- Efficiently designed electrical system – enhanced reliability

Installation and Operation

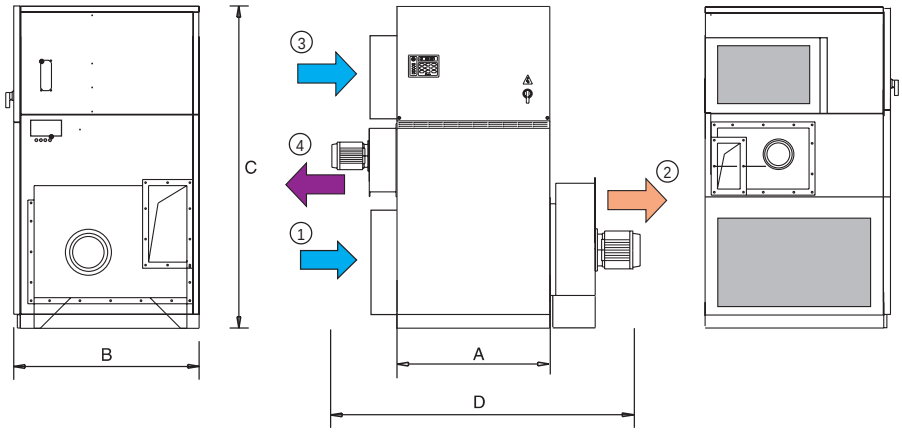
- Microprocessor based control – system functions and operation status display
- Base control – start / stop / humidistat and diagnostic fault display
- Remote automatic control and display – adaptable to the application
- Pressure and airflow test points – built-in confidence
- Easily removed access panels – fast installation and service
- Replaceable EU3 filter – enhances air quality (optional EU7 filter)
- Reinforced frame for fork-lifts and cranes – eases installation and service
- Unit requires minimal floor area – allows installation in confined spaces
- Duct connections conform to ISO 7807 standards – simplifies air duct installation

Munters

Model MXT2800

Diagram measurements are for reference only.

Scaled and dimensioned AutoCAD drawings are available in Munters' DryCap program.



Width (A)	Width (D)	Depth (B)	Height (C)	Dry air	Wet air	Weigth
800 mm	1695 mm	800 mm	1585 mm	200×300 mm	100×300 mm	380 kg

Technical Specifications

Process air[1]

Rated airflow (m³/s)	0,77
Rated airflow (m³/h)	2800
Available static pressure (Pa)	150
Fan motor power (kW)	3,0

Reactivation air[1]

Rated airflow (m³/s)	0,19
Rated airflow (m³/h)	680
Available static pressure (Pa)	300
Fan motor power (kW)	1,5

Total power, voltage and current (amphs/phase)	Reactivation Elec-trical	Steam/ Gas
Total power (kW)	27,28	4,78
200V 3~50/60Hz (A)	83,0	17,9
220V 3~50/60Hz (A)	77,0	17,9
230V 3~50/60Hz (A)	74,2	17,8
380V 3~50/60Hz (A)	44,4	10,2
400V 3~50Hz (A)	42,7	10,3
415V 3~50Hz (A)	41,4	10,2
440V 3~60Hz (A)	39,5	10,1
500V 3~50Hz (A)	34,3	8,2
Steam consumption[2] (g/s)		10,66
Max steam working pressure (bar)		7

Gas consumption[3] (m³/h)	2,29
Natural gas pressure (mbar)	12–99
Max sulphur content (ppm)	
HPS Rotor	30
Standard gas line fitting (BSP)	3/4"

Reactivation air heater

Heater power (kW)	22,5
Temperature increase across heater (°C)	96

Miscellaneous data

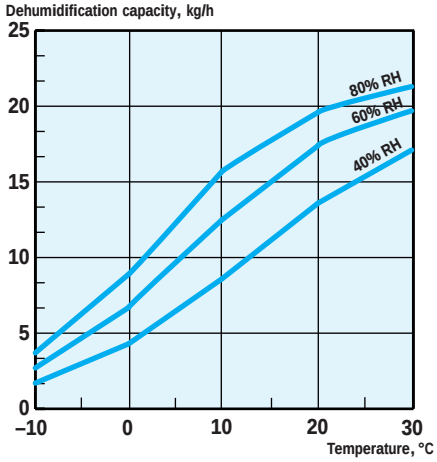
Operating temperature (°C)	–20/+40
Drive motor power (W)	10
Max noise level unducted (dBA)	75
Air filter, standard	EU3
IEC protective class	
(unit)	IP44
(electrical panel)	IP54
Winding insulation grade	
Fan motor	Class F
Drive motor	Class F
High temperature cut-out (°C)	160±5
MX(B, MXT(B) Electrical equipment	
Terminal connection	
remote control	Standard
general fault	Standard

[1] Stated performance based on 20°C and air density of 1,2kg/m³
[2] Steam consumption calculated at 2106,6 kJ/kg at 500kPa (g)
[3] Gas consumption calculated at 30,88 MJ/m³

Dehumidification capacity

Approximate capacity in kg/h.
For more detailed information, please contact your nearest Munters location or refer to Munters' DryCap program.

1. Process air temperature, °C
2. Process air relative humidity, % RH
3. Dehumidification capacity, kg/h moisture removal kg/hour)



Options

Standard equipment includes choice of internal reactivation heater (electric, steam, or gas) and choice of control panel (microprocessor-based control or base control).

- Blocked filter alarm
- Rotor stopped alarm
- Remote control with separate control relay
- Humidity control system with alarm and display

  Refer to the RH98 product data sheet
- High capacity EU7 filter (process and reactivation air inlets)
- By-pass channel with damper and actuator
- Reversible assembly for optional left or right hand process air and reactivation air connection
- Stainless steel sheet metal casing

Distributor

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DH/MEA/PGBint-0034-08/98

MXT Series Desiccant Dehumidifier

Complete Dehumidification Package

MXT5000

Product Description

The MXT5000 desiccant dehumidifier is designed to effectively dehumidify high airflow applications using minimal energy. Its airtight construction delivers accurate conditions and optional features provide versatility to adapt the system for specific applications. Its rugged formed metal frame and access panels are produced from corrosion resistant ALUZINK®. Standard equipment includes either a base control package or an optional microprocessor-based controller.

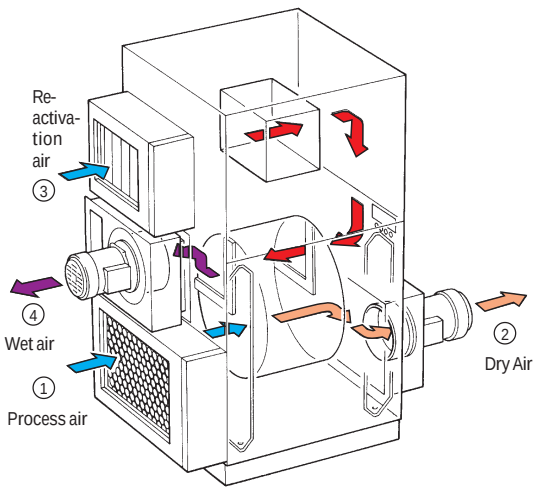
The electrical control system conforms to EN 60204 (IEC204) standards. The electrical components are mounted on busbars and are constructed of halogen-free plastic. The electrical system is designed for up to 690V and 60° C.

MXT Series dehumidifiers conform to both harmonised European Standards and to CE marking specifications.

Munters Rotor Technlogy

The desiccant rotor is manufactured from a corrugated composite material that is highly effective at attracting and holding water vapour. Every Munters dehumidifier applies a unique rotor technology. Airflows, air conditions, rotor sections, and rotor rotation speeds are optimised for specific applications. An innovative control system maximises the units energy efficiency.

A characteristic of the MXT Series rotor technology is the precision seals which divide the air distribution chamber. These provide a precise airflow balance for dehumidification and reactivation while allowing for alternative fan placement and rotor sectioning.



Performance and Reliability

- Desiccant dehumidification – high efficiency, even below 0° C
- Applied rotor technology – high capacity using minimal energy
- Reactivation heater choice – economical operating costs
- Rugged ALUZINK® frame and panels – corrosion resistant construction
- Efficiently designed electrical system – enhanced reliability

Installation and Operation

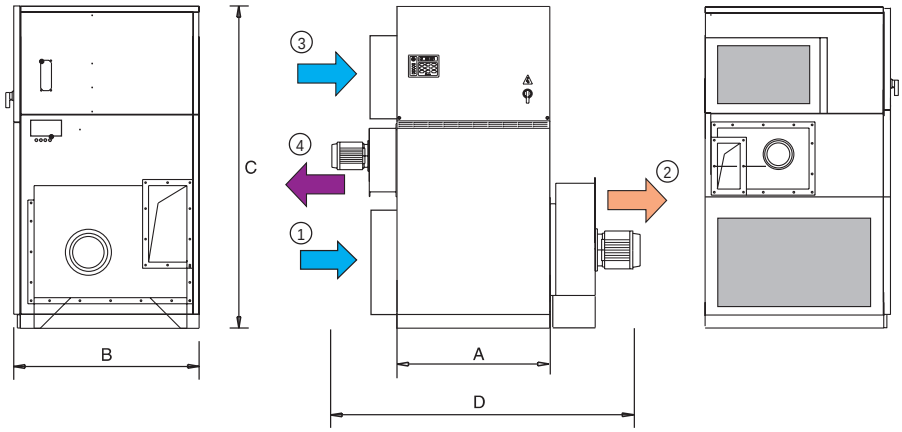
- Microprocessor based control – system functions and operation status display
- Base control – start / stop / humidistat and diagnostic fault display
- Remote automatic control and display – adaptable to the application
- Pressure and airflow test points – built-in confidence
- Easily removed access panels – fast installation and service
- Replaceable EU3 filter – enhances air quality (optional EU7 filter)
- Reinforced frame for fork-lifts and cranes – eases installation and service
- Unit requires minimal floor area – allows installation in confined spaces
- Duct connections conform to ISO 7807 standards – simplifies air duct installation

Munters

Model MXT5000

Diagram measurements are for reference only.

Scaled and dimensioned AutoCAD drawings are available in Munters' DryCap program.



Width (A)	Width (D)	Depth (B)	Height (C)	Dry air	Wet air	Weight
1000 mm	2048 mm	1213 mm	2172 mm	250×500 mm	200×300 mm	724 kg

Technical Specifications

Process air[1]

Rated airflow (m³/s)	1,39
Rated airflow (m³/h)	5000
Available static pressure (Pa)	150
Fan motor power (kW)	4,0

Reactivation air[1]

Rated airflow (m³/s)	0,34
Rated airflow (m³/h)	1220
Available static pressure (Pa)	300
Fan motor power (kW)	1,5

Total power, voltage and current (amphs/phase)	Reactivation Elec-trical	Steam/ Gas
Total power (kW)	43,58	5,78
200V 3~50/60Hz (A)	131,7	22,5
220V 3~50/60Hz (A)	120,7	21,4
230V 3~50/60Hz (A)	115,5	20,7
380V 3~50/60Hz (A)	69,6	12,3
400V 3~50Hz (A)	66,6	12,0
415V 3~50Hz (A)	64,3	11,8
440V 3~60Hz (A)	61,5	12,0
500V 3~50Hz (A)	53,0	9,5
Steam consumption[2] (g/s)		17,92
Max steam working pressure (bar)		7

Gas consumption[3] (m³/h)	3,84
Natural gas pressure (mbar)	12-99
Max sulphur content (ppm)	
HPS Rotor	30
Standard gas line fitting (BSP)	3/4"

Reactivation air heater

Heater power (kW)	37,8
Temperature increase across heater (°C)	92

Miscellaneous data

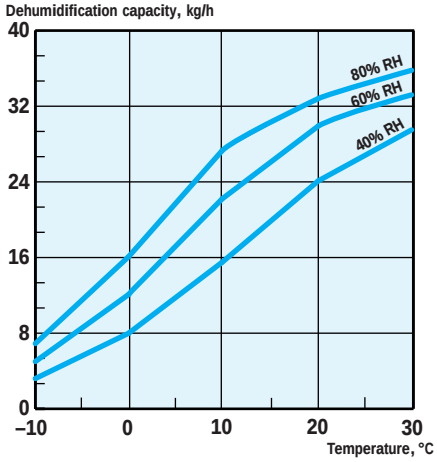
Operating temperature (°C)	–20/+40
Drive motor power (W)	10
Max noise level unducted (dBA)	87
Air filter, standard	EU3
IEC protective class	
(unit)	IP44
(electrical panel)	IP54
Winding insulation	
Fan motor grade	Class F
Drive motor grade	Class F
High temperature cut-out (°C)	160±5
MX(B, MXT(B) Electrical equipment	
Terminal connection	
remote control	Standard
general fault	Standard

[1] Stated performance based on 20°C and air density of 1,2kg/m³
[2] Steam consumption calculated at 2106,6 kJ/kg at 500kPa (g)
[3] Gas consumption calculated at 30,88 MJ/m³

Dehumidification capacity

Approximate capacity in kg/h.
For more detailed information, please contact your nearest Munters location or refer to Munters' DryCap program.

1. Process air temperature, °C
2. Process air relative humidity, % RH
3. Dehumidification capacity, kg/h moisture removal kg/hour)



Options

Standard equipment includes choice of internal reactivation heater (electric, steam, or gas) and choice of control panel (microprocessor-based control or base control).

- Blocked filter alarm
- Rotor stopped alarm
- Remote control with separate control relay
- Humidity control system with alarm and display

  Refer to the RH98 product data sheet
- High capacity EU7 filter (process and reactivation air inlets)
- By-pass channel with damper and actuator
- Reversible assembly for optional left or right hand process air and reactivation air connection
- Stainless steel sheet metal casing

Distributor

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DH/MEA/PGBint-0035-08/98

MXT Series Desiccant Dehumidifier

Complete Dehumidification Package

MXT7500

Performance and Reliability

- Desiccant dehumidification – high efficiency, even below 0º C
- Applied rotor technology – high capacity using minimal energy
- Reactivation heater choice – economical operating costs
- Rugged ALUZINK® frame and panels – corrosion resistant construction
- Efficiently designed electrical system – enhanced reliability

Installation and Operation

- Microprocessor based control – system functions and operation status display
- Base control – start / stop / humidistat and diagnostic fault display
- Remote automatic control and display – adaptable to the application
- Pressure and airflow test points – built-in confidence
- Easily removed access panels – fast installation and service
- Replaceable EU3 filter – enhances air quality (optional EU7 filter)
- Reinforced frame for fork-lifts and cranes – eases installation and service
- Unit requires minimal floor area – allows installation in confined spaces
- Duct connections conform to ISO 7807 standards – simplifies air duct installation

Product Description

The MXT7500 desiccant dehumidifier is designed to effectively dehumidify high airflow applications using minimal energy. Its airtight construction delivers accurate conditions and optional features provide versatility to adapt the system for specific applications. Its rugged formed metal frame and access panels are produced from corrosion resistant ALUZINK®. Standard equipment includes either a base control package or an optional microprocessor-based controller.

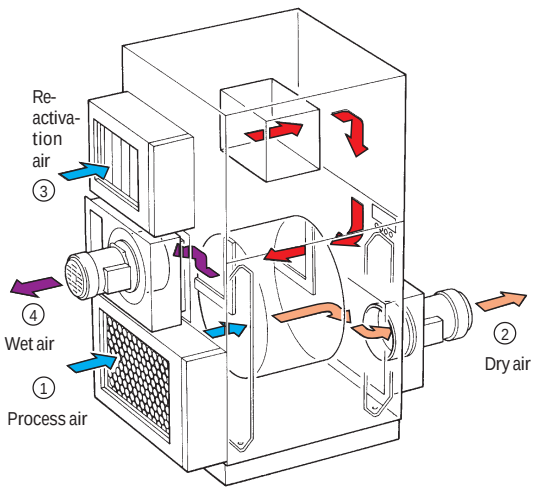
The electrical control system conforms to EN 60204 (IEC204) standards. The electrical components are mounted on busbars and are constructed of halogen-free plastic. The electrical system is designed for up to 690V and 60º C.

MXT Series dehumidifiers conform to both harmonised European Standards and to CE marking specifications.

Munters Rotor Technology

The desiccant rotor is manufactured from a corrugated composite material that is highly effective at attracting and holding water vapour. Every Munters dehumidifier applies a unique rotor technology. Airflows, air conditions, rotor sections, and rotor rotation speeds are optimised for specific applications. An innovative control system maximises the units energy efficiency.

A characteristic of the MXT Series rotor technology is the precision seals which divide the air distribution chamber. These provide a precise airflow balance for dehumidification and reactivation while allowing for alternative fan placement and rotor sectioning.

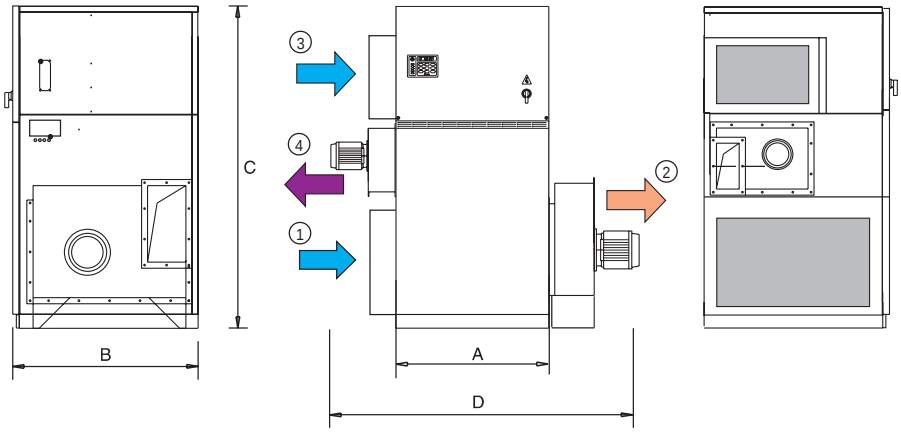


Munters

Model MXT7500

Diagram measurements are for reference only.

Scaled and dimensioned AutoCAD drawings are available in Munters' DryCap program.



Width (A)	Width (D)	Depth (B)	Height (C)	Dry air	Wet air	Weight
1000 mm	2206 mm	1213 mm	2172 mm	300×400 mm	150×300 mm	764 kg

Technical Specifications

Process air[1]

Rated airflow (m³/s)	2,08
Rated airflow (m³/h)	7500
Available static pressure (Pa)	150
Fan motor power (kW)	5,5

Reactivation air[1]

Rated airflow (m³/s)	0,46
Rated airflow (m³/h)	1660
Available static pressure (Pa)	300
Fan motor power (kW)	2,2

Total power, voltage and current (amphs/phase)	**Reactivation Electrical**	**Steam/Gas**
Total power (kW)	61,08	7,98
200V 3~50/60Hz (A)	182,9	29,6
220V 3~50/60Hz (A)	167,3	27,8
230V 3~50/60Hz (A)	160,1	26,9
380V 3~50/60Hz (A)	96,7	16,0
400V 3~50Hz (A)	92,0	15,5
415V 3~50Hz (A)	89,1	15,3
440V 3~60Hz (A)	85,2	15,6
500V 3~50Hz (A)	73,5	12,3
Steam consumption[2] (g/s)		25,18
Max steam working pressure (bar)		7
Gas consumption[3] (m³/h)		5,40
Natural gas pressure (mbar)		12–99
Max sulphur content (ppm)		
HPS Rotor		30
Standard gas line fitting (BSP)		3/4"

Reactivation air heater

Heater power (kW)	53,1
Temperature increase across heater (°C)	96

Miscellaneous data

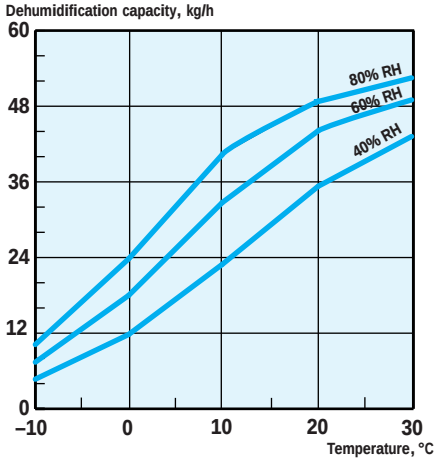
Operating temperature (°C)	–20/+40
Drive motor power (W)	10
Max noise level unducted (dBA)	90
Air filter, standard	EU3
IEC protective class	
(unit)	IP44
(electrical panel)	IP54
Winding insulation	
Fan motor grade	Class F
Drive motor grade	Class F
High temperature cut-out (°C)	160±5
MX(B, MXT(B) Electrical equipment	
Terminal connection	
remote control	Standard
general fault	Standard

[1] Stated performance based on 20°C and air density of 1,2kg/m³
[2] Steam consumption calculated at 2106,6 kJ/kg at 500kPa (g)
[3] Gas consumption calculated at 30,88 MJ/m³

Dehumidification capacity

Approximate capacity in kg/h.
For more detailed information, please contact your nearest Munters location or refer to Munters' DryCap program.

1. Process air temperature, °C
2. Process air relative humidity, % RH
3. Dehumidification capacity, kg/h moisture removal kg/hour)



Options

Standard equipment includes choice of internal reactivation heater (electric, steam, or gas) and choice of control panel (microprocessor-based control or base control).

- Blocked filter alarm
- Rotor stopped alarm
- Remote control with separate control relay
- Humidity control system with alarm and display

  Refer to the RH98 product data sheet
- High capacity EU7 filter (process and reactivation air inlets)
- By-pass channel with damper and actuator
- Reversible assembly for optional left or right hand process air and reactivation air connection
- Stainless steel sheet metal casing

Distributor

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www.munters.com

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Fax:+46 8 626 63 65

DH/MEA/PGBint-0036-08/98

MUNTERS PRODUCT INFORMATION

MXT Series Desiccant Dehumidifier

Complete Dehumidification Package

MXT9000

Product Description

The MXT9000 desiccant dehumidifier is designed to effectively dehumidify high airflow applications using minimal energy. Its airtight construction delivers accurate conditions and optional features provide versatility to adapt the system for specific applications. Its rugged formed metal frame and access panels are produced from corrosion resistant ALUZINK®. Standard equipment includes either a base control package or an optional microprocessor-based controller.

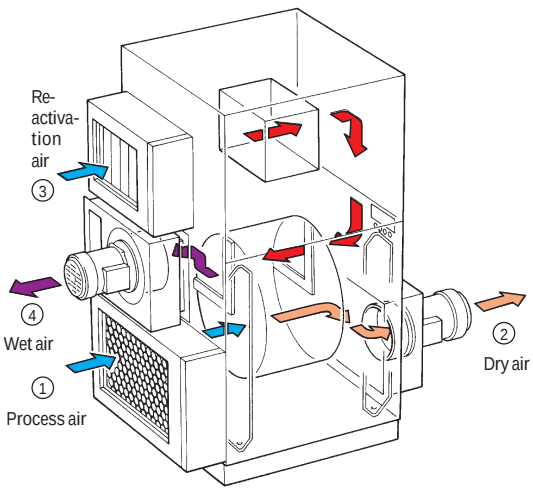
The electrical control system conforms to EN 60204 (IEC204) standards. The electrical components are mounted on busbars and are constructed of halogen-free plastic. The electrical system is designed for up to 690V and 60° C.

MXT Series dehumidifiers conform to both harmonised European Standards and to CE marking specifications.

Munters Rotor Technology

The desiccant rotor is manufactured from a corrugated composite material that is highly effective at attracting and holding water vapour. Every Munters dehumidifier applies a unique rotor technology. Airflows, air conditions, rotor sections, and rotor rotation speeds are optimised for specific applications. An innovative control system maximises the units energy efficiency.

A characteristic of the MXT Series rotor technology is the precision seals which divide the air distribution chamber. These provide a precise airflow balance for dehumidification and reactivation while allowing for alternative fan placement and rotor sectioning.



Performance and Reliability

- Desiccant dehumidification – high efficiency, even below 0° C
- Applied rotor technology – high capacity using minimal energy
- Reactivation heater choice – economical operating costs
- Rugged ALUZINK® frame and panels – corrosion resistant construction
- Efficiently designed electrical system – enhanced reliability

Installation and Operation

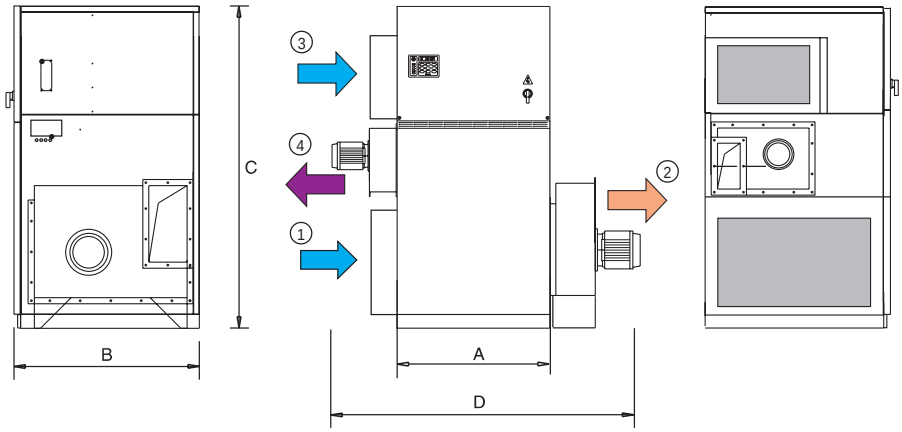
- Microprocessor based control – system functions and operation status display
- Base control – start / stop / humidistat and diagnostic fault display
- Remote automatic control and display – adaptable to the application
- Pressure and airflow test points – built-in confidence
- Easily removed access panels – fast installation and service
- Replaceable EU3 filter – enhances air quality (optional EU7 filter)
- Reinforced frame for fork-lifts and cranes – eases installation and service
- Unit requires minimal floor area – allows installation in confined spaces
- Duct connections conform to ISO 7807 standards – simplifies air duct installation

Munters

Model MXT9000

Diagram measurements are for reference only.

Scaled and dimensioned AutoCAD drawings are available in Munters' DryCap program.



Width (A)	Width (D)	Depth (B)	Height (C)	Dry air	Wet air	Weight
1000 mm	2180 mm	1213 mm	2172 mm	300×400 mm	150×300 mm	810 kg

Technical Specifications

Process air[1]

Rated airflow (m³/s)	2,50
Rated airflow (m³/h)	9000
Available static pressure (Pa)	150
Fan motor power (kW)	7,5

Reactivation air[1]

Rated airflow(m³/s)	0,57
Rated airflow(m³/h)	2050
Available static pressure (Pa)	300
Fan motor power (kW)	2,2

Total power, voltage and current (amphs/phase)	Reactivation Elec-trical	Steam/ Gas
Total power (kW)	75,48	7,98
200V 3~50/60Hz (A)	224,6	29,6
220V 3~50/60Hz (A)	204,8	27,8
230V 3~50/60Hz (A)	196,4	26,9
380V 3~50/60Hz (A)	118,6	16,0
400V 3~50Hz (A)	113,0	15,5
415V 3~50Hz (A)	109,2	15,3
440V 3~60Hz (A)	104,1	15,6
500V 3~50Hz (A)	90,3	12,3
Steam consumption[2] (g/s)		32,01
Max steam working pressure (bar)		7

Gas consumption[3] (m³/h)	6,86
Natural gas pressure (mbar)	12–99
Max sulphur content (ppm)	
HPS Rotor	30
Standard gas line fitting (BSP)	3/4"

Reactivation air heater

Heater power (kW)	67,5
Temperature increase across heater (°C)	98

Miscellaneous data

Operating temperature (°C)	–20/+40
Drive motor power (W)	10
Max noise level unducted (dBA)	96
Air filter, standard	EU3
IEC protective class	
(unit)	IP44
(electrical panel)	IP54
Winding insulation	
Fan motor grade	Class F
Drive motor grade	Class F
High temperature cut-out (°C)	160±5
MX(B, MXT(B) Electrical equipment	
Connection plug	
remote automatic control	Standard
total alarm	Standard

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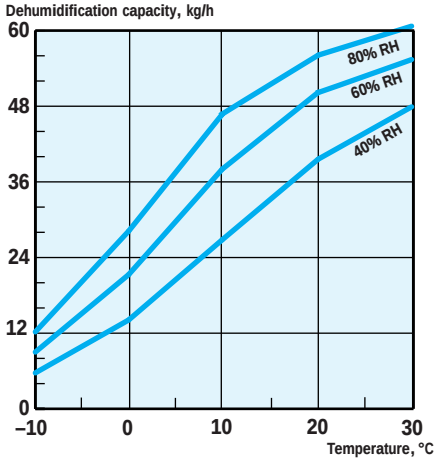

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