calorex

COMMERCIAL/INDUSTRIAL

DRYING

Refrigerant and desiccant dehumidifiers

DANTHERMGROUP

ABOUT THE DANTHERM GROUP

Control your climate

The Dantherm Group is a leading provider of climate control products and solutions. The group companies have more than 60 years of experience in designing and manufacturing high quality and energy efficient equipment for heating, cooling, drying and ventilation for a wide range of mobile and fixed applications.

Every year Dantherm uses significant resources on product development to stay in the forefront and are constantly adapting the products to changing market demands and legislation.

AERIAL® calorex Dantherm® MASTER® CLIMATE SOLUTIONS

The Dantherm Group has a number of strong brands with well established market positions in the mobile, pool, commercial/industrial and residential markets.

Dantherm customers benefit from our comprehensive knowledge base and the experience and expertise that we have gained from more than three million climate control products and solutions sold worldwide.

Global reach

The Dantherm Group is headquartered in Skive, Denmark and has an own market presence in Norway, Sweden, United Kingdom, Germany, Switzerland, Italy, Spain, Poland, Russia, China and United Arab Emirates.

In 2016 the Dantherm Group was acquired by the Swedish equity fund Procuritas Capital Investors V LP – a strong owner with the ambition to continue the development and growth of the company.

CALOREX DRYING PRODUCTS

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COMMERCIAL & INDUSTRIAL

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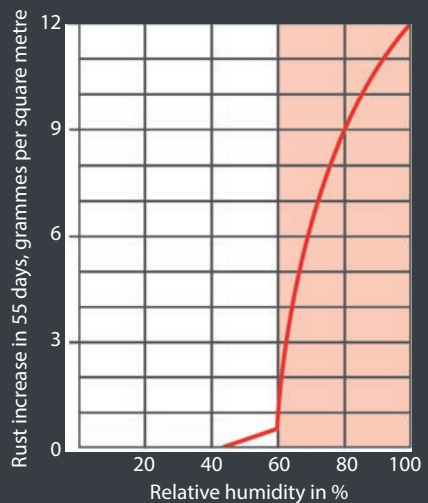
THE CHALLENGE

Atmospheric air contains moisture which is a problem to materials and manufacturing processes.

Protect your environment

Even when you cannot see it, moisture in the form of water vapour is all around us, held in suspension in the air. The relative humidity of the air in many cases determines the extent of corrosion of certain materials, the speed at which moulds develop and the rate of increase of bacteria that cause decay. Most materials and goods are best stored under cool dry conditions.

Corrosion speed of steel



With an RH of over 60% the rate of corrosion on steel rises rapidly

At an RH of approximately 50% virtually no corrosion occurs

Relative humidity

Relative humidity (RH) is the expression used to define how much water vapour can be held in the air at a given temperature as a percentage of what it could contain at saturation (100% RH). That is when the relative humidity reaches the level at which air can hold no more moisture. The maximum amount can vary according to its temperature – warmer air is capable of holding more moisture than colder air.

A false economy

Traditionally the problem was disguised by the use of heat or ventilation. This process is exceptionally energy inefficient and reliant on introducing outside air that is generally not suitable unless expensively heated. Drying by traditional heating involves continuously warming a stream of outside air on a constant 'in and out' cycle.

Take control *of humidity and condensation with our leading range of dehumidifiers.*

THE SOLUTION

The answer to this problem is Calorex's wide range of dehumidifiers suitable for every environment from warehouses and sub-stations to museums and garages.

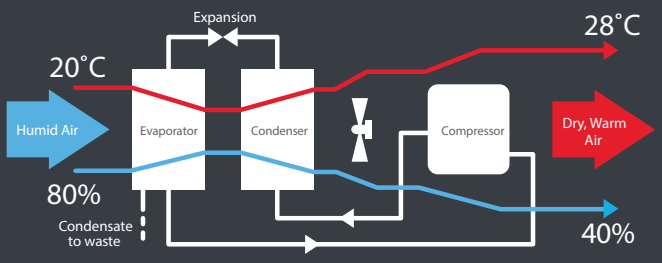
A better way

Dehumidification is much more sophisticated than heating. It recirculates the same air and physically removes moisture from it. This alleviates the need to continuously reheat incoming air. Not only that, a dehumidifier will cleverly convert energy taken out of the room as moisture (latent energy), to create 'sensible energy' that can be used to heat the room, accelerating the drying process.

Problem solved

Our wide range of units and operating temperatures ensure there is a system to fit every need. From high tech problems requiring sophisticated 'total loss' or 'keep dry recirculation' systems to a simple off the shelf mobile dehumidifier to plug in and go - Calorex are unique problem solvers in their field.

How a Calorex dehumidifier works



The process of dehumidification involves moisture-laden air being drawn into a dehumidifier where the air passes across a refrigerated coil. The air is rapidly cooled below its dew point, condensing the water vapour and recovering its latent heat energy for re-use. The cooled air is then passed across the condenser where it is reheated and returned to the served area at the required lower relative humidity.

DEHUMIDIFIERS

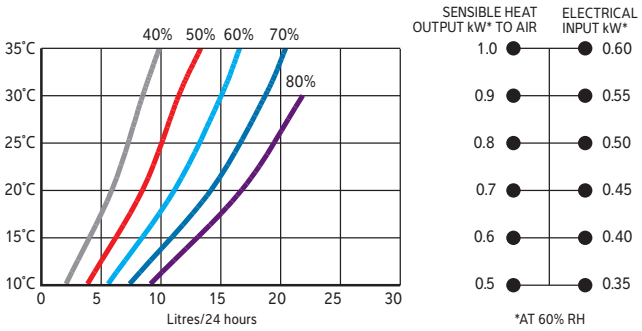
WALL MOUNTED

DH 15

Features

- Compact design for installation in small areas
- Self contained with fully automatic operation
- Integral humidistat
- Tamper proof controls
- Epoxy polyester painted zintec steel cabinet
- Hot gas defrost for low temperature operation
- Air filter

Performance data



Applications

- Drying rooms
- Public buildings
- Changing rooms
- Store rooms
- Modular buildings
- Stairwells, cellars and basements
- Museums and galleries
- Unheated premises
- Garages

Options

- Through the wall version

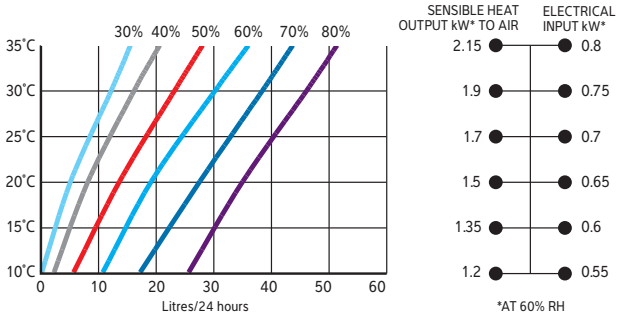
Specifications	Units	DH 15AX
Operating temperature range	°C	0-35
Dehumidification @ 30°C/60% RH	l/24h	15
Heat recovered to air @ 30°C/60% RH	kW	0.9
Air flow	m^3/h	225
External static pressure	Pa	0
Sound pressure level @ 3m	dB(A)	53
Refrigerant		R407c
Power supply	V/Hz	230/1ph/50
Nominal power consumption	kW	0.43
FLA	A	3.8
Maximum supply fuse	A	10
LRA (compressor start)	A	18
Product size (w x d x h)	mm	825 x 363 x 320
Weight	kg	33
Condensate drain size (flexible plastic hose)	mm ID	10

DEHUMIDIFIERS

WALL MOUNTED

DH 30

Performance data



Features

- Self contained with fully automatic operation
- Integral humidistat
- Polyester coated evaporator and condenser
- Plastisol coated galvanised steel cabinet
- Hot gas defrost for low temperature operation
- Quiet centrifugal fans
- Remote humidistat and on/off function

Options

- Through the wall version
- Electric air heater
- LPHW air heater
- Remote humidistat
- Floor stand kit

Applications

- Drying rooms
- Modular buildings
- Electrical sub-stations
- Sports clubs and changing rooms
- Warehousing and storage
- Museums, libraries and galleries
- Garages

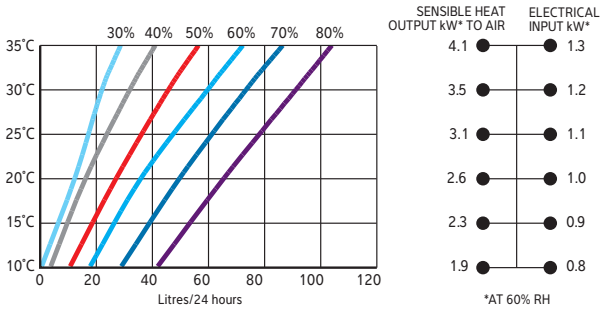
Specifications	Units	DH 30AX	DH 30AXP
Operating temperature range	°C	0-35	0-35
Dehumidification @ 30°C/60% RH	l/24h	30	30
Heat recovered to air @ 30°C/60% RH	kW	1.9	1.9
Air flow	m^3/h	700	700
External static pressure	Pa	0	0
Sound pressure level @ 3m	dB(A)	52	52
Refrigerant		R407c	R407c
Power supply	V/Hz	230/1ph/50	230/1ph/50
Dehumidifier power input	kW	0.75	0.75
FLA	A	4.4	12.7
Maximum supply fuse	A	10	20
LRA (compressor start)	A	15.8	15.8
Heater type		Optional LPHW	Standard Electric
Heat output	kW	3.0	2.0
Flow rate	l/min	5.0	-
Product size (w x d x h)	mm	782 x 270 x 648	782 x 270 x 648
Weight	kg	40	40
Condensate drain size (flexible plastic hose)	mm ID	16	16

DEHUMIDIFIERS

WALL MOUNTED

DH 60

Performance data



Options

- Through the wall version
- Electric air heater
- LPHW air heater
- Remote humidistat
- Floor stand kit

Features

- Self contained with fully automatic operation
- Integral humidistat
- Polyester coated evaporator and condenser
- Plastisol coated galvanised steel cabinet
- Hot gas defrost for low temperature operation
- Quiet centrifugal fans
- Remote humidistat and on/off function

Applications

- Archives and museums
- Churches
- Changing rooms
- Waterworks
- Garages and car storage

Specifications	Units	DH 60AX	DH 60AXP
Operating temperature range	°C	0-35	0-35
Dehumidification @ 30°C/60% RH	l/24h	60	60
Heat recovered to air @ 30°C/60% RH	kW	3.5	3.5
Air flow	m^3/h	1280	1280
External static pressure	Pa	0	0
Sound pressure level @ 3m	dB(A)	54	54
Refrigerant		R407c	R407c
Power supply	V/Hz	230/1ph/50	230/1ph/50
Dehumidifier power input	kW	1.2	1.2
FLA	A	7.5	24.2
Maximum supply fuse	A	13	32
LRA (compressor start)	A	30	30
Heater type		Optional LPHW	Standard Electric
Heat output	kW	5.0	4.0
Flow rate	l/min	5.0	-
Product size (w x d x h)	mm	1247 x 270 x 648	1247 x 270 x 648
Weight	kg	60	60
Condensate drain size (flexible plastic hose)	mm ID	16	16

HIGH CAPACITY DEHUMIDIFIERS

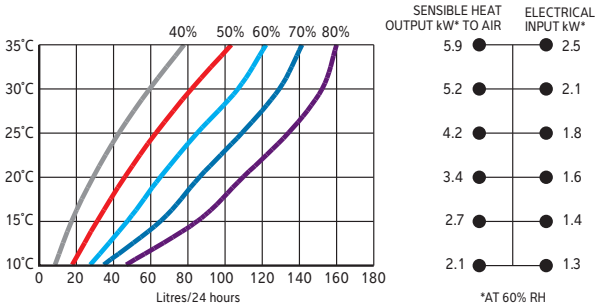
FLOOR STANDING

DH 110

Features

- Self contained with fully automatic operation
- Integral humidistat
- Polyester coated evaporator and condenser
- Stove enamelled aluminium cabinet
- Hot gas defrost for low temperature operation
- Quiet centrifugal fans, two speeds
- Remote humidistat and on/off function

Performance data



Options

- Through the wall version
- LPHW air heater
- Remote humidistat

Applications

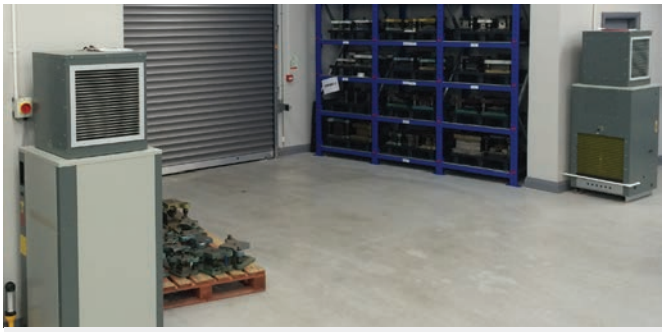
- Data centres
- Warehousing and storage
- Museums and art galleries
- Offices and archives
- Sports halls and gyms

Specifications	Units	DH 75AX	DH 110AX	DH 110BX
Operating temperature range	°C	5-35	5-35	5-35
Dehumidification @ 30°C/60% RH	l/h	86	108	108
Heat recovered to air @ 30°C/60% RH	kW	4.0	5.2	5.2
Air flow	m^3/h	1180	1180	1180
External static pressure	Pa	0	0	0
Sound pressure level @ 3m	dB(A)	53	53	53
Refrigerant		R407c	R407c	R407c
Power supply	V/Hz	230/1ph/50	230/1ph/50	400/3ph/50
Nominal power consumption	kW	1.5	2.1	2.0
FLA	A	9.5	12	5.5
Maximum supply fuse	A	13	20	10
LRA (compressor start)	A	55	66	30
Heater type		Optional LPHW	Optional LPHW	Optional LPHW
Heat output @ 80°C flow	kW	8.9	8.9	8.9
Flow rate	l/min	9.6	9.6	9.6
Product size (w x d x h)	mm	1520 x 385 x 796	1520 x 385 x 796	1520 x 385 x 796
Weight	kg	143	144	144
Condensate drain size (brass compression)	mm	15	15	15

HIGH CAPACITY DEHUMIDIFIERS

FLOOR STANDING

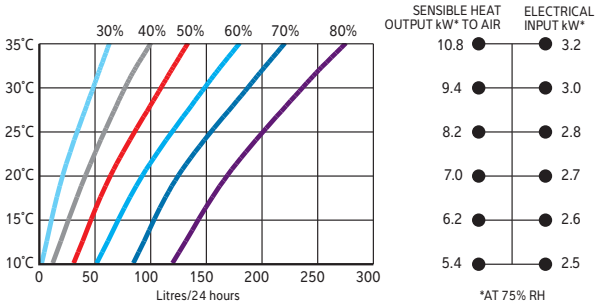
DH 150



Features

- Self contained with fully automatic operation
- Integral humidistat
- Constant flow fan – automatically adjusts to ducting
- Polyester coated evaporator and condenser
- Plastisol coated galvanised steel cabinet
- Hot gas defrost for low temperature operation

Performance data



Applications

- Warehousing and equipment storage
- Metal and spare parts storage
- Electrical sub-stations
- Museums and furniture storage
- Car storage facilities

Specifications	Units	DH 150AX	DH 150BX
Operating temperature range	°C	0-35	0-35
Dehumidification @ 30°C/60% RH	l/24h	150	150
Heat recovered to air @ 30°C/60% RH	kW	7.4	7.4
Air flow	m^3/h	2500	2500
External static pressure	Pa	0-200	0-200
Sound pressure level @ 3m	dB(A)	58	58
Refrigerant		R407c	R407c
Power supply	V/Hz	230/1ph/50	400/3ph/50
Nominal power consumption	kW	2.5	2.5
FLA (electrical)	A	21	11
Maximum supply fuse	A	30	16
LRA (compressor start)	A	61	30
LRA (compressor soft-start)	A	28	13
Heater type	Optional	Top box electric	Top box electric
Heat output	kW	9	9
Power supply	V/Hz	230/1ph/50	400/3ph/50
FLA (heater)	A	36	12
Maximum fuse size	A	50	16
Product size (w x d x h)	mm	660 x 660 x 1313	660 x 660 x1313
Weight	kg	130	130
Condensate drain size (flexible plastic hose)	BSPM	¾	¾

HIGH CAPACITY DEHUMIDIFIERS

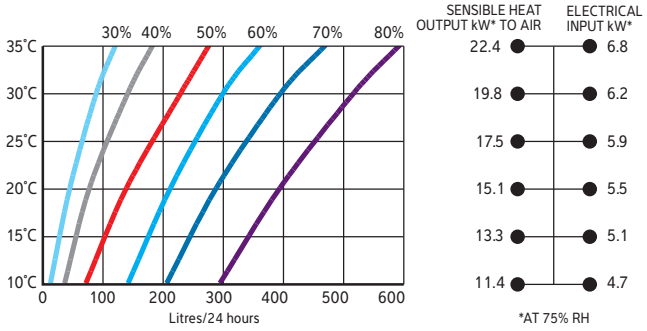
FLOOR STANDING

DH 300

Features

- Self contained with fully automatic operation
- Integral humidistat
- Polyester coated evaporator and condenser
- Plastisol coated galvanised steel cabinet
- Hot gas defrost for low temperature operation
- Reverse cycle defrost for very low temperature operation

Performance data



Applications

- Warehousing and equipment storage
- Metal and spare parts storage
- Electrical sub-stations
- Museums and furniture storage
- Car storage facilities

Specifications	Units	DH 300BY
Operating temperature range	°C	-15 - +35
Dehumidification @ 30°C/60% RH	l/24h	300
Heat recovered to air @ 30°C/60% RH	kW	14.7
Air flow	m^3/h	5000
External static pressure	Pa	60
Sound pressure level @ 3m	dB(A)	66
Refrigerant		R407c
Power supply	V/Hz	400/3ph/50
Nominal power consumption	kW	6.7
FLA	A	19
Maximum supply fuse	A	24
LRA (compressor start)	A	101
LRA (compressor soft-start)	A	34
Product size (w x d x h)	mm	980 x 826 x 1475
Weight	kg	220
Condensate drain size (flexible plastic hose)	BSPM	1½

HIGH CAPACITY DEHUMIDIFIERS

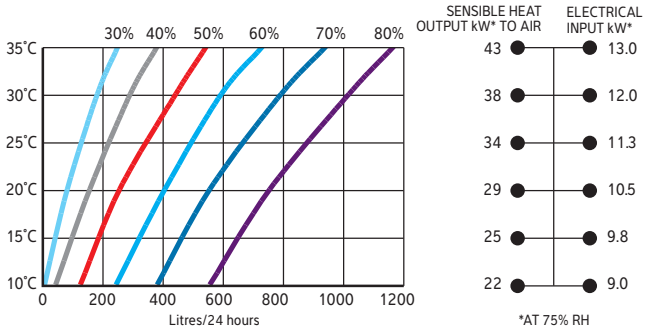
FLOOR STANDING

DH 600

Features

- Self contained with fully automatic operation
- Integral humidistat
- Polyester coated evaporator and condenser
- Plastisol coated galvanised steel cabinet
- Hot gas defrost for low temperature operation
- Reverse cycle defrost for very low temperature operation

Performance data



Applications

- Warehousing and equipment storage
- Metal and spare parts storage
- Electrical sub-stations
- Museums and furniture storage
- Car storage facilities

Specifications	Units	DH 600BY
Operating temperature range	°C	-15 - +35
Dehumidification @ 30°C/60% RH	l/24h	600
Heat recovered to air @ 30°C/60% RH	kW	29.7
Air flow	m^3/h	9000
External static pressure	Pa	80
Sound pressure level @ 3m	dB(A)	63
Refrigerant		R407c
Power supply	V/Hz	400/3ph/50
Nominal power consumption	kW	10
FLA	A	26
Maximum supply fuse	A	35
LRA (compressor start)	A	135
LRA (compressor soft-start)	A	55
Product size (w x d x h)	mm	1730 x 1250 x 1600
Weight	kg	497
Condensate drain size (flexible plastic hose)	BSPM	1½

HIGH CAPACITY DEHUMIDIFIERS

DUCTED

AA 300
AA 500

FLANGE KIT

Features

- Up to 4.5 l/h dehumidification capacity (30°C/60% RH)
- Up to 1800m³/h air flow (AA500)
- Constant flow fan with two speed settings
- Remote control panel (12V) with 1.8m lead (10m cable optional)

LPHW Air models add:

- Integral LPHW heat exchanger for air heating

Applications

- Changing rooms
- Production areas
- Warehouses
- Pools

Options

- Flexible flange kit to reduce vibration

Specifications	Units	AA 300	AA 500
Operating conditions	°C	15-36	15-36
Dehumidification @ 30°C/60% RH	l/h	3.6	4.5
Air flow	m³/h	1300 ± 10%	1800 ± 10%
External static pressure	Pa	250	250
Heat recovered to air @ 30°C/60% RH	kW	4.4	6.1
Heat to air via optional LPHW	kW	7.3	7.5
Nominal power consumed	kW	2.1	2.3
Min. supply capacity (max. FLA)	A	13	13
Max. supply fuse	A	20	20
Sound level @ 1m	dB(A)	61	61
Product size (h x w x d)	mm	850 x 1027 x 730	850 x 1027 x 730
Weight	kg	111	111

HIGH TEMPERATURE PROCESS DRYING

FLOOR STANDING

DH 334

Features

- Rapid moisture removal at lowest cost per litre extracted
- Latent energy reclaimed to reduce power consumption
- Drying at lower temperatures reduces risk of heat damage
- Even drying improves product quality
- Low maintenance

Options

- Range of Calorex control panels
- Stainless steel cabinet
- Steam or LPHW heat exchangers for initial heat input
- Castors for portability to aid cleaning and maintenance
- Air inlet filters

Applications

- Ceramics and timber
- Confectionery and food manufacturing
- Brick, block and tile
- Textiles
- Paper and cardboard

Specifications	Units	DH 334BH
Operating temperature range	°C	30-70
Dehumidification @ 50°C/60% RH	l/24h	17
Heat to air via dehumidification	kW	10
Heat to air via resistance heaters and dehumidification	kW	18.5
Air flow	m^3/h	5800
External static pressure	Pa	0
Sound pressure level @ 3m	dB(A)	69
Refrigerant		R134a
Electrical data		
Power supply	V/Hz	400/3ph/50
Nominal power consumed	A	14.1
Min. supply capacity	A	29
Max. supply fuse	A	35
Heater		
Heater rating	kW	9
FLA	A	12
Compressor		
Nominal power consumed	kW	4.9
LRA	A	72
RLA	A	12
Nominal running current	A	9
Product size (w x d x h)	mm	985 x 700 x 1476
Weight	kg	170

INDUSTRIAL DRYING

ADSORPTION

DT 160

DT 250

Features

- Sturdy housing in stainless steel
- Low weight
- PTC reactivation heater, eliminates the risk for overheating and allows step-less capacity control
- The desiccant rotor, including its transmission element and fan, can be easily lifted out of the housing for external inspection and service

Optional accessories

- External humidistat connection
- Floor stand
- Wall bracket

Applications

- Process air systems
- Store rooms
- Pharmaceutical production
- Pumping stations
- Film production
- Electronics manufacturing
- Confectionery and food production
- Museums and art galleries
- Cold storage

Specifications	Units	DT 160	DT 250
Dehumidification @ 20°C/60% RH	kg/h	0.6	1.1
Dry air flow (free blowing)	m^3/h	160	290
Available pressure	Pa	0	0
Wet air flow	m^3/h	40	50
Available pressure	Pa	0	0
Power consumption	kW	1.0	1.3
Power supply	V/Hz	230/1ph/50	230/1ph/50
Sound level	dB(A)	53	52.9
Reactivation power	kW	0.8	1.2
Electrical (E), steam (S), gas (G) react. option		E	E
Filter class		3	3
Product size (l x w x h)	mm	324 x 329 x 274	335 x 351 x 357
Weight	kg	10.5	14

INDUSTRIAL DRYING

ADSORPTION

DT 210

DT 440

DT 400

Features

- Sturdy housing in stainless steel
- Low weight
- PTC reactivation heater, eliminates the risk for overheating and allows step-less capacity control
- The desiccant rotor, including its transmission element and fan, can be easily lifted out of the housing for external inspection and service

Applications

- Process air systems
- Store rooms
- Pharmaceutical production
- Pumping stations
- Film production
- Electronics manufacturing
- Confectionery and food production
- Museums and art galleries
- Cold storage

Optional accessories

- External humidistat connection
- Air cooled condenser (DT 210/450 only)
- Floor stand
- Wall bracket

Specifications	Units	DT 210	DT 440	DT 400	DT 450
Dehumidification @ 20°C/60% RH	kg/h	0.6	1.4	1.5	2.2
Dry air flow	m^3/h	210	440	400	450
Available pressure	Pa	0	0	30	0
Wet air flow	m^3/h	40	100	120	120
Available pressure	Pa	0	0	0	0
Power consumption	kW	1.1	2.1	2.3	3.5
Power supply	V/Hz	230/1ph/50	230/1ph/50	230/1ph/50	230/1ph/50
Sound level	dB(A)	53.3	69	62.2	63
Reactivation power	kW	0.8	1.9	2.0	3.2
Electrical (E), steam (S), gas (G) react. option		E	E	E	E
Filter class		3	3	3	3
Product size (l x w x h)	mm	315 x 315 x 457	335 x 351 x 357	504 x 428 x 525.5	504 x 428 x 525.5
Weight	kg	16.5	14.5	28	31

INDUSTRIAL DRYING

ADSORPTION

DT 800
DT 1100

Features

- Sturdy housing in stainless steel
- Controls including, humidity sensor operation, alarm system, and different options for dry air fan operation
- PTC (Positive Temperature Control) reactivation heater, eliminates the risk of overheating and allows step-less capacity control

Applications

- Process air systems
- Store rooms
- Pharmaceutical production
- Pumping stations
- Film production
- Electronics manufacturing
- Confectionery and food production
- Museums and art galleries
- Cold storage

Optional accessories

- Air cooled condenser
- DDC controls

Specifications	Units	DT 800	DT 1100
Dehumidification @ 20°C/60% RH	kg/h	4.4	6.0
Dry air flow	m^3/h	800	1100
Available pressure	Pa	150	0
Wet air flow	m^3/h	250	370
Available pressure	Pa	175	0
Power consumption	kW	7	10
Power supply	V/Hz	400/3ph/50	400/3ph/50
Sound level	dB(A)	60	62
Reactivation power	kW	6.7	9.25
Electrical (E), steam (S), gas (G) react. option		E	E
Filter class		3	3
Product size (l x w x h)	mm	1050 x 600 x 690	1050 x 600 x 690
Weight	kg	80	80

INDUSTRIAL DRYING

ADSORPTION

DT 1300
DT 2300
DT 3300

Features

- Insulated housing in stainless steel
- PTC reactivation heater, eliminates the risk of overheating and allows step-less capacity control
- Built-in PLC with touch screen as standard
- Rotation guard, filter alarm, run-time-meter and service alarm as standard

Applications

- Process air systems
- Store rooms
- Pharmaceutical production
- Pumping stations
- Film production
- Electronics manufacturing
- Confectionery and food production
- Museums and art galleries
- Cold storage

Optional accessories

- Air cooled condenser
- Moisture control via external moisture sensor
- Step-less control via 0-10V signal
- Communication with building management system via Modbus, Canbus or via Web server

Specifications	Units	DT 1300	DT 2300	DT 3300
Dehumidification @ 20°C/60% RH	kg/h	9.5	13.8	14.7
Dry air flow	m^3/h	1300	2300	3300
Available pressure	Pa	200	430	450
Wet air flow	m^3/h	400	500	120
Available pressure	Pa	350	300	200
Power consumption	kW	13.6	19	20.6
Power supply	V/Hz	400/3ph/50	400/3ph/50	400/3ph/50
Sound level	dB(A)	63	71	70.4
Reactivation power	kW	13.0	17.5	18
Electrical (E), steam (S), gas (G) react. option		E/S/G	E/S/G	E/S/G
Filter class		4	4	4
Product size (l x w x h)	mm	1199 x 807 x 1170	1199 x 807 x 1170	1199 x 807 x 1170
Weight	kg	200	200	205

INDUSTRIAL DRYING

ADSORPTION

DT 3500

Features

- Insulated housing in stainless steel
- PTC reactivation heater, eliminates the risk of overheating and allows step-less capacity control
- Built-in PLC with touch screen as standard
- Rotation guard, filter alarm, run-time-meter and service alarm as standard

Applications

- Process air systems
- Store rooms
- Pharmaceutical production
- Pumping stations
- Film production
- Electronics manufacturing
- Confectionery and food production
- Museums and art galleries
- Cold storage

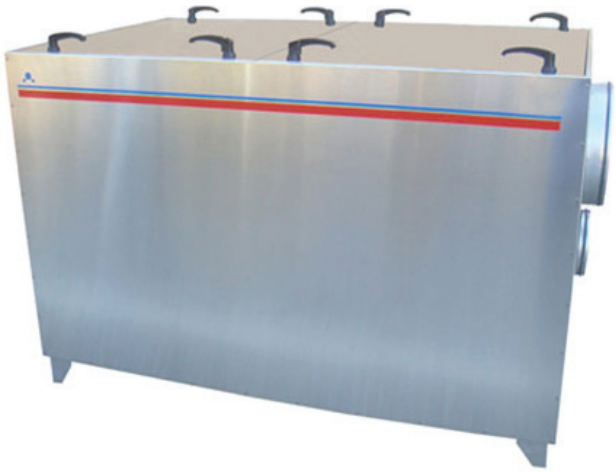
Optional accessories

- Air cooled condenser
- Moisture control via external moisture sensor
- Step-less control via 0-10V signal
- Communication with building management system via Modbus, Canbus or via Web server

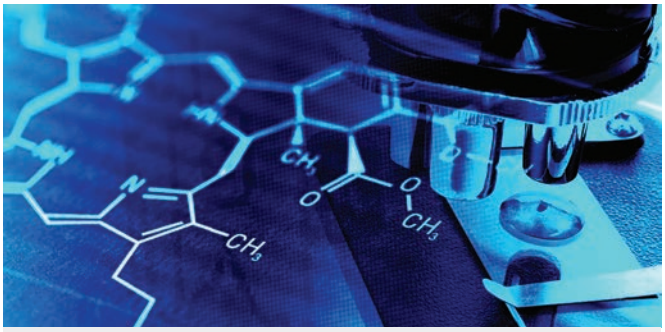
Specifications	Units	DT 3500
Dehumidification @ 20°C/60% RH	kg/h	17.7
Dry air flow	m^3/h	3500
Available pressure	Pa	200
Wet air flow	m^3/h	850
Available pressure	Pa	270
Power consumption	kW	26.2
Power supply	V/Hz	400/3ph/50
Sound level	dB(A)	71
Reactivation power	kW	23.5
Electrical (E), steam (S), gas (G) react. option		E/S/G
Filter class		4
Product size (l x w x h)	mm	1199 x 807 x 1170
Weight	kg	210

INDUSTRIAL DRYING

ADSORPTION



DT 4500
DT 5800



Features

- Insulated housing in stainless steel
- Controls including, humidity sensor operation, alarm system, and different options for dry air fan operation
- Reactivation heater type according to customer specifications

Optional accessories

- Air cooled condenser
- DDC controls

Applications

- Process air systems
- Store rooms
- Pharmaceutical production
- Pumping stations
- Film production
- Electronics manufacturing
- Confectionery and food production
- Museums and art galleries
- Cold storage

Specifications	Units	DT 4500	DT 5800
Dehumidification @ 20°C/60% RH	kg/h	24.6	29.3
Dry air flow	m^3/h	4500	5800
Available pressure	Pa	800	420
Wet air flow	m^3/h	1500	1400
Available pressure	Pa	170	240
Power consumption	kW	40.8	44.8
Power supply	V/Hz	400/3ph/50	400/3ph/50
Sound level	dB(A)	72	72
Reactivation power	kW	36.0	40.0
Electrical (E), steam (S), gas (G) react. option		E/S/G	E/S/G
Filter class		4	4
Product size (l x w x h)	mm	1800 x 1160 x 1221	1800 x 1160 x 1221
Weight	kg	410	410

INDUSTRIAL DRYING

ADSORPTION

DT 6000

DT 8000

Features

- Insulated housing with panels and inspection doors
- Possible to transport by forklift
- Internal purge zone reducing energy consumption and increasing the capacity
- Control system

Applications

- Process air systems
- Store rooms
- Pharmaceutical production
- Pumping stations
- Film production
- Electronics manufacturing
- Confectionery and food production
- Museums and art galleries
- Cold storage

Specifications	Units	DT 6000	DT 8000
Dehumidification @ 20°C/60% RH	kg/h	39	53
Dry air flow	m^3/h	6000	8000
Available pressure	Pa	440	280
Wet air flow	m^3/h	1700	2500
Available pressure	Pa	325	150
Power consumption	kW	54.2	83
Power supply	V/Hz	400/3ph/50	400/3ph/50
Sound level	dB(A)	73	73
Reactivation power	kW	48.0	79.5
Electrical (E), steam (S), gas (G) react. option		E/S/G	E/S/G
Filter class		4	4
Product size (l x w x h)	mm	2000 x 1350 x 1780	2000 x 1350 x 2050
Weight	kg	900	950

INDUSTRIAL DRYING

ADSORPTION

DT 13000

Features

- Insulated housing with panels and inspection doors
- Possible to transport by forklift
- Internal purge zone reducing energy consumption and increasing the capacity
- Control system

DT 27000

Applications

- Process air systems
- Store rooms
- Pharmaceutical production
- Pumping stations
- Film production
- Electronics manufacturing
- Confectionery and food production
- Museums and art galleries
- Cold storage

Specifications	Units	DT 13000	DT 19000	DT 27000
Dehumidification @ 20°C/60% RH	kg/h	86	126	182
Dry air flow	m^3/h	13000	19000	27900
Available pressure	Pa	590	440	400
Wet air flow	m^3/h	4200	6000	6980
Available pressure	Pa	200	450	250
Power consumption	kW	143.5	207.5	309
Power supply	V/Hz	400/3ph/50	400/3ph/50	400/3ph/50
Sound level	dB(A)	-	72	-
Reactivation power	kW	132.0	192.0	288.0
Electrical (E), steam (S), gas (G) react. option		E/S/G	E/S/G	E/S/G
Filter class		4	4	4
Product size (l x w x h)	mm	2250 x 1600 x 2300	2400 x 1900 x 2500	2900 x 1900 x 2500
Weight	kg	1350	1700	2400

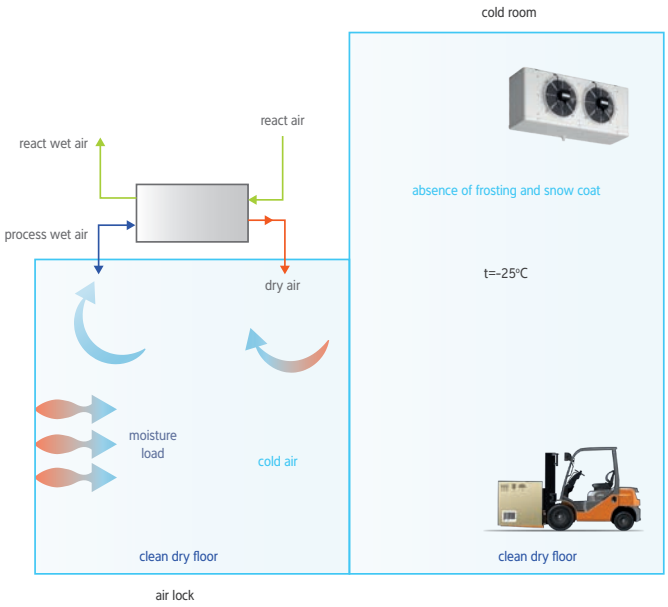
INDUSTRIAL DRYING

FREEZER ROOMS

DTI 3600

Features

- Prevention of ice build-up on chiller coils
- Prevention of ice build-up on walls
- Prevention of ice build-up on stored products
- Prevention of ice build-up on shelves/racking
- Reduced/infrequent defrost cycles
- Clean dry floors
- Elimination of poor visibility due to fogging
- Dry floors in entrances and airlocks
- Reduced energy consumption



Applications

- Cold storage

Specifications	Units	DTI 1500	DTI 2600	DTI 3600	DTI 4000	DTI 5000
Dry air flow	m^3/h	1500	2600	3600	4000	5000
Wet air flow	m^3/h	220	300	350	600	1000
Total power connection	kW	6.1	10.5	11.9	18.8	28.8
Total power connection (with heat exchanger)	kW	3.4	7.8	9.2	10.7	N/A
Maximum capacity at -18°C	kg/h	1.25	2.12	2.94	3.21	4.08
Dimensions inside version	mm	1199 x 807 x 1170	1199 x 807 x 1170	1199 x 807 x 1170	1199 x 807 x 1170	1800 x 1160 x 1221
Dimensions outside version	mm	1339 x 947 x 1245	1262 x 947 x 1245	1262 x 947 x 1245	1262 x 947 x 1245	N/A

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