Dantherm®
CONTROL YOUR CLIMATE

CDT 30

CDT 30
MOBILE DEHUMIDIFIER

Function
The CDT 30 is a robust, cost-effective and energy-efficient, reliable mobile dehumidifier. It works in accordance with the condensation principle. A fan draws the humid air into the dehumidifier and through an evaporator coil. When passing through the evaporator the air is cooled down to below its dew point temperature, and its content of water vapour is condensed into water, which is collected in the water container.

Applications
- Damage service
- Building drying
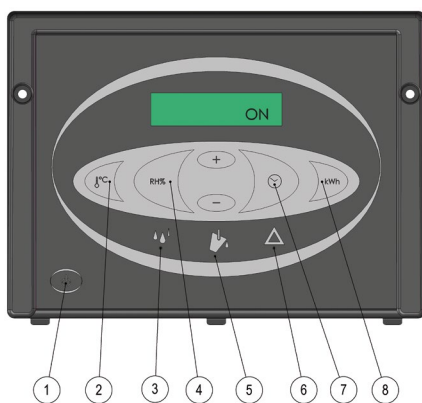- Water works
- Dry storing

FEATURES

Dehumidifier
- High capacity
- Low energy consumption
- Strong and robust cabinet of powder coated hot galvanized steel
- Epoxy coated evaporator and condenser.
- Adjustable handle
- Plastic bumpers
- Low weight
- Stackable.
- Large wheels

Water container
- Water container with handles
- Automatic stop when water container is full or removed.
- Permanent drainage can be established with optional ½" hose connection
- Condensate pump in a cassette as optional extra

Electronic control
- Digital touchpad control panel with display
- Accurate hour and kWh counter (reading)
- RH and °C monitoring (reading)
- RH setting
- Easy fault-finding
- Service monitoring function

Defrosting
Active, demand-controlled defrosting which is activated through a temperature sensor on the evaporator. Defrosting is done by means of hot refrigerant being fed through the evaporator.

Digital touchpad control panel:
1. On-off switch
2. Reading of room temperature
3. Indicator for normal operation (green lamp)
4. Reading of RH value / setting of RH value
5. Indicator for full water container (yellow lamp)
6. Failure indicator (red lamp)
7. Hour counter / setting of service intervals
8. kWh counter

Dantherm®
CONTROL YOUR CLIMATE

TECHNICAL DATA

Model	CDT 30
Operating range – humidity	40-100% RH
Operating range – temperature	3-32°C
Air volume	250 m³/h
Power supply	230 V/50 Hz
Max. ampere consumption	2,7 A
Max. power consumption	0,590 kW
Refrigerant	R 134a
Compressor type	Rotary
Sound level (at 1 metre)	56 dB(A)
Water container capacity	7 litres
Colour – cabinet	RAL 7044
Colour – water container	RAL 7015
Colour – control panel	RAL 9005
Protection class	IP X4
Filter	PPI 15/G1
Wheel size	Ø 250 mm
Wheel and water container material	PP
Control panel material	ABS
Weight	32 kg

CAPACITY CURVES
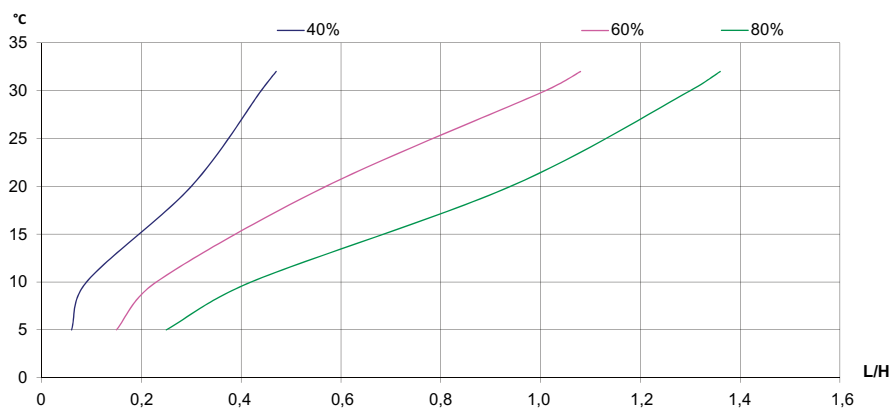
Specific energy consumption (SEC)
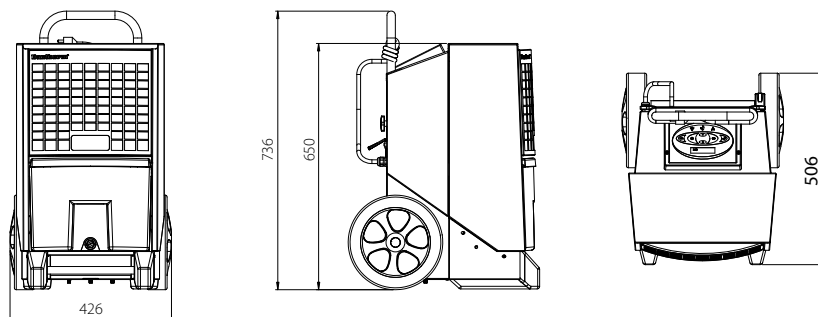• 0,45 kWh/l at 30°C & 80% RH
• 0,81 kWh/l at 20°C & 60% RH

Accessories
½" drain outlet
Remote hygrostat
Wall bracket
Dual voltage kit
Condensate pump in a cassette
(see separate data sheet)

Also available in this series:
CDT 30 S
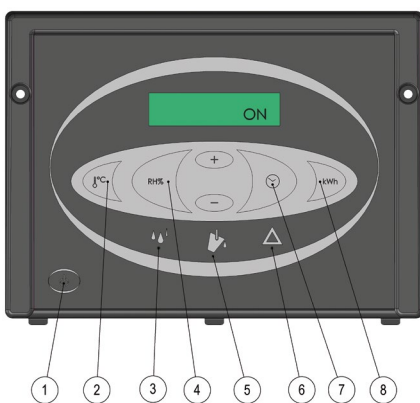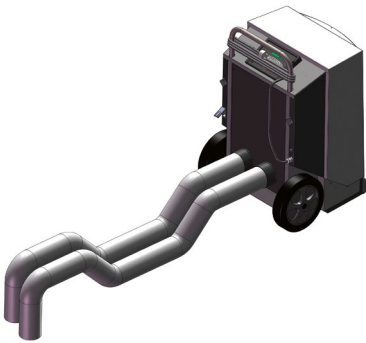CDT 40
CDT 40 S
CDT 60
CDT 90
(see separate data sheets)

DIMENSIONS

All dimensions are in mm.

Dantherm®
CONTROL YOUR CLIMATE

CDT 30 S

CDT 30 S
MOBILE DEHUMIDIFIER

Function
The CDT 30 S is a robust, cost-effective and energy-efficient, reliable mobile dehumidifier. It works in accordance with the condensation principle. A fan draws the humid air into the dehumidifier and through an evaporator coil. When passing through the evaporator the air is cooled down to below its dew point temperature, and its content of water vapour is condensed into water, which is collected in the water container.

Applications
• Damage service
• Building drying
• Water works
• Dry storing

FEATURES

Dehumidifier
• High capacity
• Low energy consumption
• Strong and robust cabinet of powder coated hot galvanized steel
• Epoxy coated evaporator and condenser.
• Adjustable handle
• Plastic bumpers
• Low weight
• Stackable.
• Large wheels
• On the back two Ø100 mm flex. air ducts may be connected (max. length of 5 m) (accessory)
• Built-in 1 kW heating element
• Supplied with high pressure fan

Water container
• Water container with handles
• Automatic stop when water container is full or removed.
• Permanent drainage can be established with optional ½" hose connection
• Condensate pump in a cassette as optional extra

Electronic control
• Digital touchpad control panel with display
• Accurate hour and kWh counter (reading)
• RH and °C monitoring (reading)
• RH setting
• Easy fault-finding
• Service monitoring function

Digital touchpad control panel:
1. On-off switch
2. Reading of room temperature
3. Indicator for normal operation (green lamp)
4. Reading of RH value / setting of RH value
5. Indicator for full water container (yellow lamp)
6. Failure indicator (red lamp)
7. Hour counter / setting of service intervals
8. kWh counter

Defrosting
Active, demand-controlled defrosting which is activated through a temperature sensor on the evaporator. Defrosting is done by means of hot refrigerant being fed through the evaporator.

Dantherm
CONTROL YOUR CLIMATE

TECHNICAL DATA

Model	CDT 30 S
Operating range – humidity	40-100% RH
Operating range – temperature	3-32°C
Air volume	350 m³/h*
Power supply	230 V/50 Hz
Max. ampere consumption	2,6 A
Max. power consumption with heating element	1,56 kW
Max. power consumption without heating element	0,56 kW
Refrigerant	R 134a
Compressor type	Rotary
Sound level (at 1 metre)	60 dB(A)**
Water container capacity	7 litres
Colour – cabinet	RAL 7044
Colour – water container	RAL 7015
Colour – control panel	RAL 9005
Protection class	IP X4
Filter	PPI 15/G1
Wheel size	Ø 250 mm
Wheel and water container material	PP
Control panel material	ABS
Weight	34 kg

*Measured without air ducts mounted.
**Measured with air ducts mounted.

CAPACITY CURVES
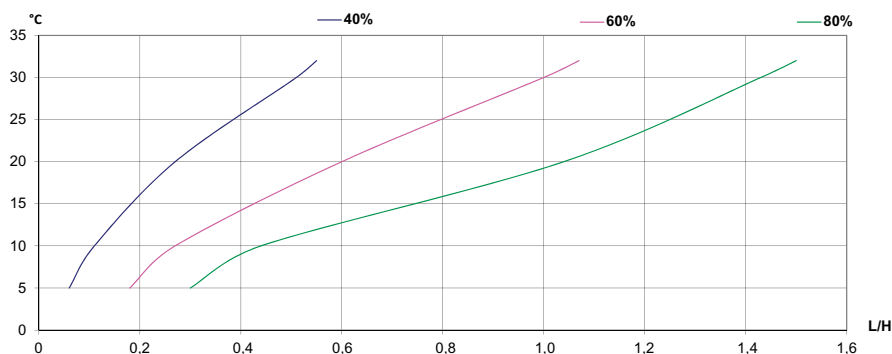
Specific energy consumption (SEC)
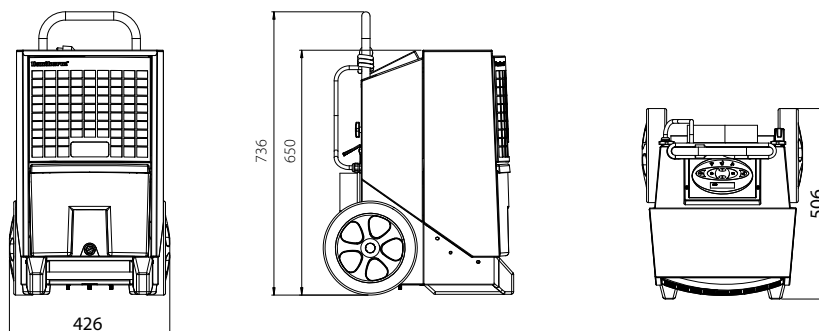- 0,39 kWh/l at 30°C & 80% RH
- 0,76 kWh/l at 20°C & 60% RH

DIMENSIONS

All dimensions are in mm.

Accessories
½" drain outlet
Remote hygrostat
Wall bracket
Dual voltage kit
Condensate pump in a cassette
Flex. air ducts Ø100 mm
(see separate data sheet)

Also available in this series:
CDT 30
CDT 40
CDT 40 S
CDT 60
CDT 90
(see separate data sheets)

Dantherm®
CONTROL YOUR CLIMATE

CDT 40

CDT 40

MOBILE DEHUMIDIFIER

Function
The CDT 40 is a robust, cost-effective and energy-efficient, reliable mobile dehumidifier. It works in accordance with the condensation principle. A fan draws the humid air into the dehumidifier and through an evaporator coil. When passing through the evaporator the air is cooled down to below its dew point temperature, and its content of water vapour is condensed into water, which is collected in the water container.

Applications
- Damage service
- Building drying
- Water works
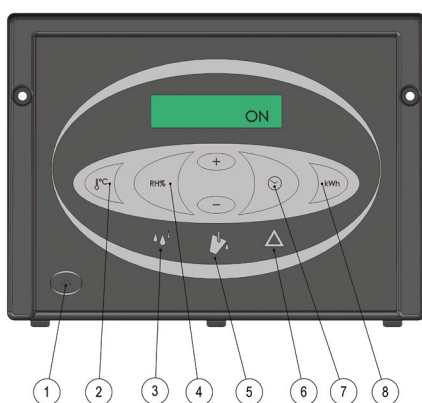- Dry storing

FEATURES

Dehumidifier
- High capacity
- Low energy consumption
- Strong and robust cabinet of powder coated hot galvanized steel
- Epoxy coated evaporator and condenser.
- Adjustable handle
- Plastic bumpers
- Low weight
- Stackable.
- Large wheels

Water container
- Water container with handles
- Automatic stop when water container is full or removed.
- Permanent drainage can be established with optional ½" hose connection
- Condensate pump in a cassette as optional extra

Electronic control
- Digital touchpad control panel with display
- Accurate hour and kWh counter (reading)
- RH and °C monitoring (reading)
- RH setting
- Easy fault-finding
- Service monitoring function

Defrosting
Active, demand-controlled defrosting which is activated through a temperature sensor on the evaporator. Defrosting is done by means of hot refrigerant being fed through the evaporator.

Digital touchpad control panel:
1. On-off switch
2. Reading of room temperature
3. Indicator for normal operation (green lamp)
4. Reading of RH value / setting of RH value
5. Indicator for full water container (yellow lamp)
6. Failure indicator (red lamp)
7. Hour counter / setting of service intervals
8. kWh counter

TECHNICAL DATA

Model	CDT 40
Operating range – humidity	40-100% RH
Operating range – temperature	3-32°C
Air volume	350 m³/h
Power supply	230 V/50 Hz
Max. ampere consumption	3,6 A
Max. power consumption	0,82 kW
Refrigerant	R 407C
Compressor type	Rotary
Sound level (at 1 metre)	59 dB(A)
Water container capacity	14 litres
Colour – cabinet	RAL 7044
Colour – water container	RAL 7015
Colour – control panel	RAL 9005
Protection class	IP X4
Filter	PPI 15/G1
Wheel size	Ø 250 mm
Wheel and water container material	PP
Control panel material	ABS
Weight	43 kg

CAPACITY CURVES
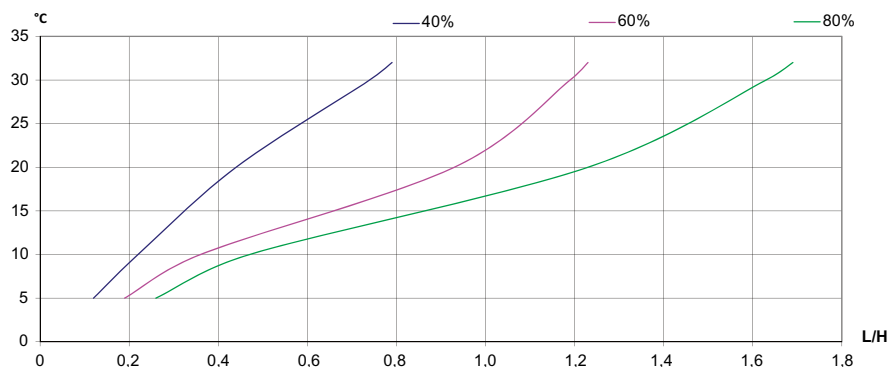
Specific energy consumption (SEC)
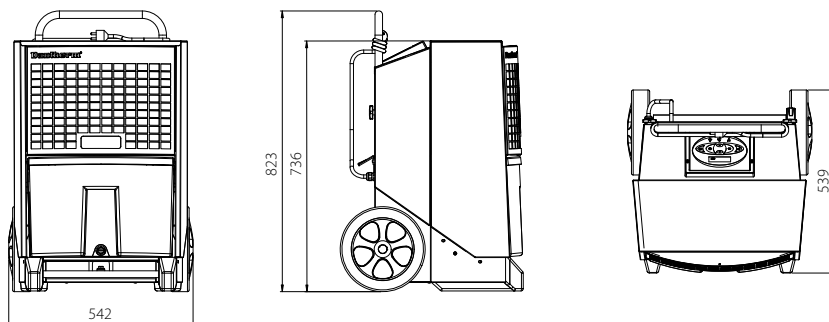- 0,50 kWh/l at 30°C & 80% RH
- 0,66 kWh/l at 20°C & 60% RH

Accessories
½" drain outlet
Remote hygrostat
Wall bracket
Dual voltage kit
Condensate pump in a cassette
(see separate data sheet)

Also available in this series:
CDT 30
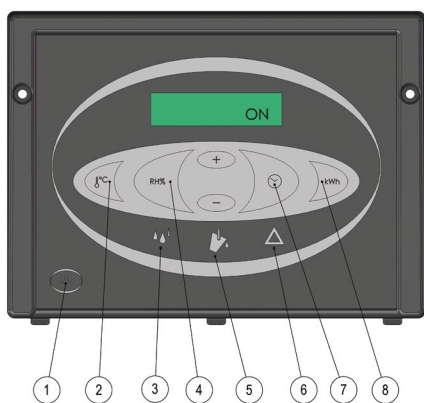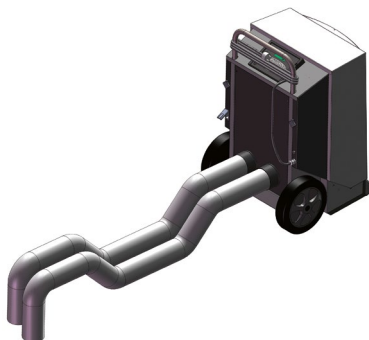CDT 30 S
CDT 40 S
CDT 60
CDT 90
(see separate data sheets)

DIMENSIONS

All dimensions are in mm.

Dantherm®
CONTROL YOUR CLIMATE

CDT 40 S

CDT 40 S
MOBILE DEHUMIDIFIER

Function

The CDT 40 S is a robust, cost-effective and energy-efficient, reliable mobile dehumidifier. It works in accordance with the condensation principle. A fan draws the humid air into the dehumidifier and through an evaporator coil. When passing through the evaporator the air is cooled down to below its dew point temperature, and its content of water vapour is condensed into water, which is collected in the water container.

Applications
• Damage service
• Building drying
• Water works
• Dry storing

FEATURES

Dehumidifier
• High capacity
• Low energy consumption
• Strong and robust cabinet of powder coated hot galvanized steel
• Epoxy coated evaporator and condenser.
• Adjustable handle
• Plastic bumpers
• Low weight
• Stackable.
• Large wheels
• On the back two Ø100 mm flex. air ducts may be connected (max. length of 5 m) (accessory)
• Built-in 1 kW heating element
• Supplied with high pressure fan

Water container
• Water container with handles
• Automatic stop when water container is full or removed.
• Permanent drainage can be established with optional ½" hose connection
• Condensate pump in a cassette as optional extra

Electronic control
• Digital touchpad control panel with display
• Accurate hour and kWh counter (reading)
• RH and °C monitoring (reading)
• RH setting
• Easy fault-finding
• Service monitoring function

Digital touchpad control panel:
1. On-off switch
2. Reading of room temperature
3. Indicator for normal operation (green lamp)
4. Reading of RH value / setting of RH value
5. Indicator for full water container (yellow lamp)
6. Failure indicator (red lamp)
7. Hour counter / setting of service intervals
8. kWh counter

Defrosting

Active, demand-controlled defrosting which is activated through a temperature sensor on the evaporator. Defrosting is done by means of hot refrigerant being fed through the evaporator.

Dantherm®
CONTROL YOUR CLIMATE

TECHNICAL DATA

Model	CDT 40 S
Operating range – humidity	40-100% RH
Operating range – temperature	3-32°C
Air volume	560 m³/h*
Power supply	230 V/50 Hz
Max. ampere consumption	3,7 A
Max. power consumption with heating element	1,83 kW
Max. power consumption without heating element	0,83 kW
Refrigerant	R 407c
Compressor type	Rotary
Sound level (at 1 metre)	62 dB(A)**
Water container capacity	14 litres
Colour – cabinet	RAL 7044
Colour – water container	RAL 7015
Colour – control panel	RAL 9005
Protection class	IP X4
Filter	PPI 15/G1
Wheel size	Ø 250 mm
Wheel and water container material	PP
Control panel material	ABS
Weight	46 kg

*Measured without air ducts mounted.
**Measured with air ducts mounted.

CAPACITY CURVES
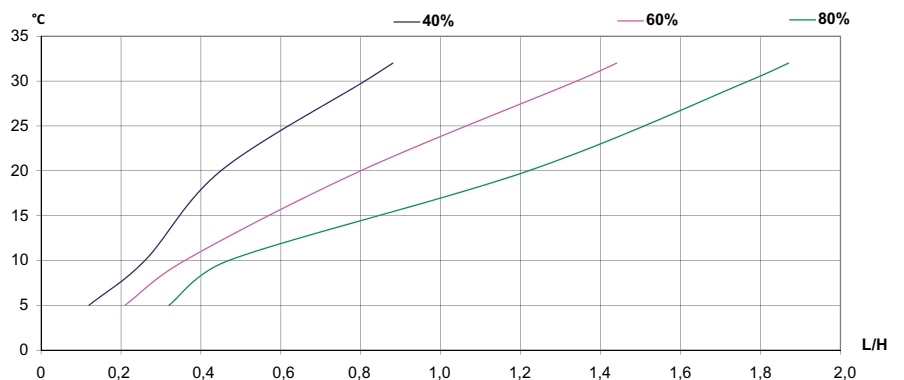
Specific energy consumption (SEC)
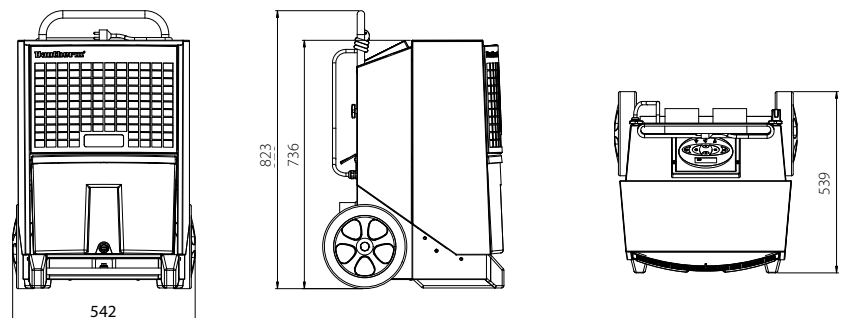- 0,47 kWh/l at 30°C & 80% RH
- 0,83 kWh/l at 20°C & 60% RH

DIMENSIONS

All dimensions are in mm.

Accessories
½" drain outlet
Remote hygrostat
Wall bracket
Dual voltage kit
Condensate pump in a cassette
Flex. air ducts Ø100 mm
(see separate data sheet)

Also available in this series:
CDT 30
CDT 30 S
CDT 40
CDT 60
CDT 90
(see separate data sheets)

Dantherm®
CONTROL YOUR CLIMATE

CDT 60

CDT 60

MOBILE DEHUMIDIFIER

Function
The CDT 60 is a robust, cost-effective and energy-efficient, reliable mobile dehumidifier. It works in accordance with the condensation principle. A fan draws the humid air into the dehumidifier and through an evaporator coil. When passing through the evaporator the air is cooled down to below its dew point temperature, and its content of water vapour is condensed into water, which is collected in the water container.

Applications
- Damage service
- Building drying
- Water works
- Dry storing

FEATURES

Dehumidifier
- High capacity
- Low energy consumption
- Strong and robust cabinet of powder coated hot galvanized steel
- Epoxy coated evaporator and condenser.
- Adjustable handle
- Plastic bumpers
- Low weight
- Stackable.
- Large wheels

Water container
- Water container with handles
- Automatic stop when water container is full or removed.
- Permanent drainage can be established with optional ½" hose connection
- Condensate pump in a cassette as optional extra

Electronic control
- Digital touchpad control panel with display
- Accurate hour and kWh counter (reading)
- RH and °C monitoring (reading)
- RH setting
- Easy fault-finding
- Service monitoring function

Defrosting
Active, demand-controlled defrosting which is activated through a temperature sensor on the evaporator. Defrosting is done by means of hot refrigerant being fed through the evaporator.


Digital touchpad control panel:
1. On-off switch
2. Reading of room temperature
3. Indicator for normal operation (green lamp)
4. Reading of RH value / setting of RH value
5. Indicator for full water container (yellow lamp)
6. Failure indicator (red lamp)
7. Hour counter / setting of service intervals
8. kWh counter

Dantherm®
CONTROL YOUR CLIMATE

TECHNICAL DATA

Model	CDT 60
Operating range – humidity	40-100% RH
Operating range – temperature	3-32°C
Air volume	725 m³/h
Power supply	230 V/50 Hz
Max. ampere consumption	4,9 A
Max. power consumption	1,12 kW
Refrigerant	R 407c
Compressor type	Rotary
Sound level (at 1 metre)	62 dB(A)
Water container capacity	14 litres
Colour – cabinet	RAL 7044
Colour – water container	RAL 7015
Colour – control panel	RAL 9005
Protection class	IP X4
Filter	PPI 15/G1
Wheel size	Ø 250 mm
Wheel and water container material	PP
Control panel material	ABS
Weight	47 kg

CAPACITY CURVES
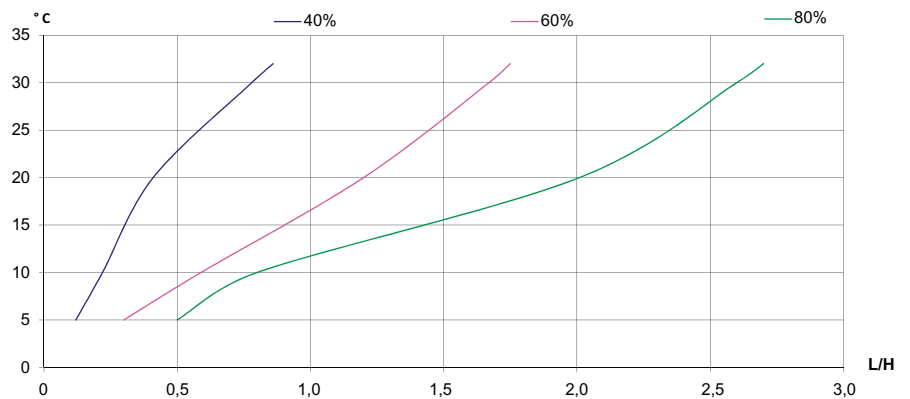
Specific energy consumption (SEC)
- 0,43 kWh/l at 30°C & 80% RH
- 0,67 kWh/l at 20°C & 60% RH
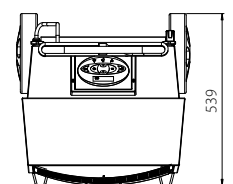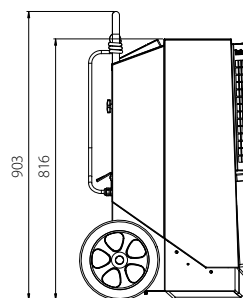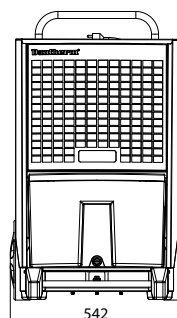
Accessories
½" drain outlet
Remote hygrostat
Wall bracket
Dual voltage kit
Condensate pump in a cassette
(see separate data sheet)

Also available in this series:
CDT 30
CDT 30 S
CDT 40
CDT 40 S
CDT 90
(see separate data sheets)

DIMENSIONS

All dimensions are in mm.

Dantherm®
CONTROL YOUR CLIMATE

CDT 90

CDT 90

CDT 90
MOBILE DEHUMIDIFIER

Function
The CDT 90 is a robust, cost-effective and energy-efficient, reliable mobile dehumidifier. It works in accordance with the condensation principle. A fan draws the humid air into the dehumidifier and through an evaporator coil. When passing through the evaporator the air is cooled down to below its dew point temperature, and its content of water vapour is condensed into water, which falls into the drip tray and then is led to the drain.

Applications
- Damage service
- Building drying
- Water works
- Dry storing

FEATURES

Dehumidifier
- High capacity
- Low energy consumption
- Strong and robust cabinet of powder coated hot galvanized steel
- Epoxy coated evaporator and condenser.
- Adjustable handle
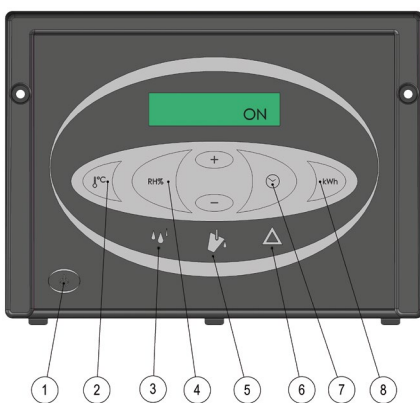- Plastic bumpers
- Low weight
- Large wheels

Water drain
- Fitted with a drain outlet for connection to a ½" water hose

Electronic control
- Digital touchpad control panel with display
- Accurate hour and kWh counter (reading)
- RH and °C monitoring (reading)
- RH setting
- Easy fault-finding
- Service monitoring function

Defrosting
Active, demand-controlled defrosting which is activated through a temperature sensor on the evaporator. Defrosting is done by means of hot refrigerant being fed through the evaporator.

Digital touchpad control panel:
1. On-off switch
2. Reading of room temperature
3. Indicator for normal operation (green lamp)
4. Reading of RH value / setting of RH value
5. Indicator for full water container (yellow lamp)
6. Failure indicator (red lamp)
7. Hour counter / setting of service intervals
8. kWh counter

Dantherm®
CONTROL YOUR CLIMATE

TECHNICAL DATA

| Model	CDT 90
Operating range – humidity	40-100% RH
Operating range – temperature	3-32°C
Air volume	1000 m³/h
Power supply	230 V/50 Hz
Max. ampere consumption	7,2 A
Max. power consumption	1,64 kW
Refrigerant	R 407c
Compressor type	Rotary
Sound level (at 1 metre)	62 dB(A)
Colour – cabinet	RAL 7044
Colour – control panel	RAL 9005
Protection class	IP X4
Filter	PPI 15/G1
Wheel size	Ø 250 mm
Wheel material	PP
Control panel material	ABS
Weight	62 kg

CAPACITY CURVES
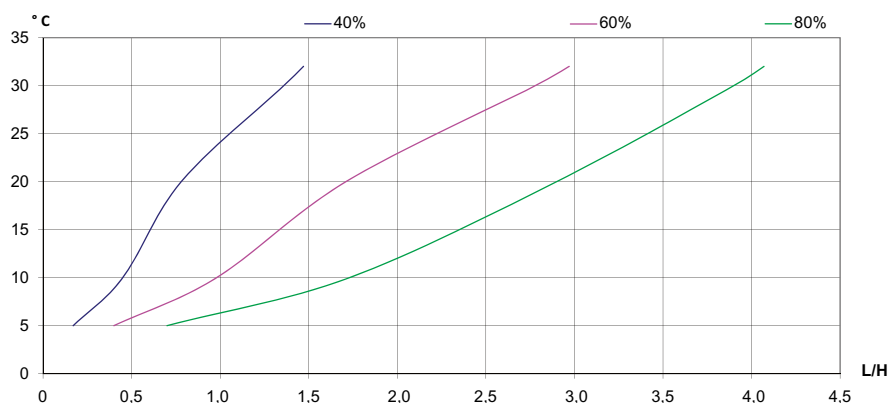
Specific energy consumption (SEC)
- 0,42 kWh/l at 30°C & 80% RH
- 0,71 kWh/l at 20°C & 60% RH

DIMENSIONS
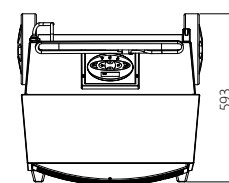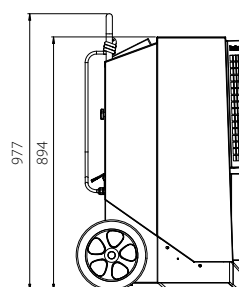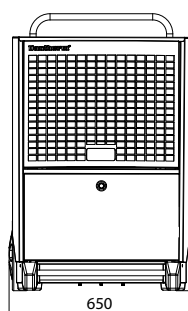
All dimensions are in mm.

Accessories
Remote hygrostat
Dual voltage kit
(see separate data sheet)

Also available in this series:
CDT 30
CDT 30 S
CDT 40
CDT 40 S
CDT 60
(see separate data sheets)

Dantherm ®
CONTROL YOUR CLIMATE

ACCESSORIES CDT

Illustration	Accessory	Description	CDT-type	Dantherm No.
	Hygrostat	When a hygrostat is connected the dehumidifier can operate continuously dependent on the relative humidity in the room. Two versions are available: Hygrostat with 0,4 m cable, jack plug and fitting Hygrostat with 3 m cable and jack plug	All All	396242 396241
	½" draining tap and screwed hose connector	Ball tap, brass screwed hose connector and clamp for mounting on the water container	All	396243
	Condensate pump in a cassette	Cassette with built-in condensate pump Vertical lift of up to 3 metres Length of tube: 10 metres	CDT 30/30S CDT 40/ 40S/60	075616 075617
	Wall bracket	Using the wall bracket the dehumidifier can be hung on the wall	CDT 30/30S CDT 40/ 40S/60	396247 396248