



# Dust Control Unit 400V series



**tera**





## Dehaco Tera dust control unit

Preventing dust emissions during demolition, renovation and recycling operations is becoming commonplace and extremely important. Governments are applying stricter regulations during demolition operations. This in an attempt to prevent local residents and the workforce from suffering from respiratory problems. Therefore Dehaco has developed the new generation of innovative dust control units. The range of possible applications has been broadened, making the Tera's highly effective when preventing asbestos being released from burning building, on recycling centres, handling of raw materials and odour control at waste treatment centres. The Dehaco Tera is the champion of dust control.

The core objective of the Tera is to produce and distribute a fine layer of water droplets that combine with the dust particles. Conventional nozzles require intensive maintenance due to the accumulation of lime scale. This is no longer an issue with the revolutionary, patented Demto-Rotor<sup>®</sup>, which cannot be blocked by such particles.

The droplet size is simply adjusted and is therefore highly efficient with water consumption. Providing a supreme result with minimal consumption. The reduced water consumption also reduces any damage to the environment, whether in urban or remote locations.

The Tera can be combined with a Dehaco all terrain undercarriage or a road legal single or twin axle trailer. Whichever is most appropriate for the Tera and its required applications.

The self-supporting Tera features a generator and 2200 litre water tank, this unit can be combined with a twin or tri axle trailer. This dust control unit can be deployed to any location, even without power or water amenities.

Contact our experts for advice and a tailor made dust control solution.



INNOVATION



ECO



# Features

## Tera Standard



## 1 Demto-Rotor® Technology

This extremely reliable patented system is capable of adjusting the water droplet size, namely:

Setting 1: Coarse  
Setting 2: Medium  
Setting 3: Fine



In addition to this the Demto-Rotor® has the following advantages when compared to traditional nozzles:

- No more blockages from dirt or calcium deposits.
- A high pressure booster pump is not required, where less power is consumed (inexpensive to operate and only requires a relatively small generator).
- The simple adjustment of droplet size saves a vast amount of time compared to replacing nozzles.

## 2 Smart Ventilator

The ventilator has been specially designed for the Tera and compliments the turbine perfectly. The required throw can be simply adjusted to one of the three settings:

Setting 1: Eco  
Setting 2: Eco boost  
Setting 3: Power boost



Alongside the throw, the power consumption will be reduced. The power consumption in the Eco or Eco boost modes are approximately 20 – 40% lower than in Power boost mode. Where in certain cases the Tera can be used in combination with a smaller more efficient generator.

The fan blades feature specially applied noise reducing tips. This vastly reduces the overall noise emissions produced by the Tera.

## 3 Turbine

The Tera's turbine has been designed using aerodynamic principles to perform optimally. The operating principle of the Demto-Rotor® ensures that the droplets are combined with the fast moving flow of air form the ventilator. The inlet side of the turbine features a robust grill, this safety feature also protects the motor from large objects damaging the ventilator and fan blades. Protective rings have been positioned on the outer surface of the turbine.

## 4 Control panel

The standard Tera features a control panel with switches. Its robust housing can be closed and locked.

## 5 Electrically operated rotation

The standard Tera features electrically operated rotation with a maximum angle of 335°. The rotation angle is easily adjusted using the control panel.

## 6 Water consumption meter

The standard Tera features a water consumption meter showing previous and actual water consumption. The actual water consumption can be adjusted using the integrated gate valve.



## 7 Manual tilting

The standard Tera features manually operated tilting. The required angle of throw is quickly and simply adjusted.

## 8 Integral Drain

The standard Tera features a single drainage point to protect the machine from potential frost damage.

## 9 Mounting bracket

The standard Tera features a mounting bracket. A comprehensive range of mounting options are available for every requirement.

## 10 Water coupling

The standard Tera features a Storz C52 water coupling.

## 11 Transport mode

The standard Tera features retainer pins to prevent damage occurring during transport.

## 12 Lifting eyes

The standard Tera features integrated lifting eyes.



## Tera Dust Control Unit

Standard 45 - 60 - 75 - 90



			TERA 45
<b>Technical specifications</b>	Maximum throw - Power boost	mtr	45
	Maximum throw - Eco boost / Eco	mtr	40 / 30
	Weight	kg	415
	Water consumption	ltr	100 - 1500
	Water supply pressure (min-max)	bar	3,0 (0,1 - 6,0)
	Water coupling		Storz C52
	Power consumption - Power boost	kW	6,0 (100 l/hour) / 7,0 (1500 l/hour)
	Power consumption - Eco boost	kW	4,5 (100 l/hour) / 6,5 (1500 l/hour)
	Power consumption - Eco	kW	4,0 (100 l/hour) / 5,5 (1500 l/hour)
	Voltage	V	400
	Current	A	32
	Rotation angle		0 - 335°
	Tilting angle (+50/-25)		75°
	Standard Tera dimensions (lxwxh)	mm	1103x1061x1519
Mounting bracket dimensions (lxwxh)	mm	1004x1061x200	
<b>Features</b>	Demto-Rotor® technology®		●
	Electrically operated rotation		●
	Mechanically operated tilting		●
	Control panel with switches		●
	Water consumption meter		●
	Electrically operated tilting		○
	Remote control		○
	Control panel with touchscreen		○
	UVC water decontamination system		○
	Cable 25 metre 32A		○
Cable 25 metre 63A		-	
	<b>Article number</b>	4210.0020	

- Standard
- Option
- Not available

**TERA 60****TERA 75****TERA 90**

60	75	90
55 / 45	70 / 60	85 / 75
514	534	652
500 - 4500	500 - 4500	500 - 4500
3,0 (0,1 - 6,0)	3,0 (0,1 - 6,0)	3,0 (0,1 - 6,0)
Storz C52	Storz C52	Storz C52
12,0 (500 l/hour) / 16,0 (4500 l/hour)	16,0 (500 l/hour) / 20,0 (4500 l/hour)	23,0 (500 l/hour) / 27,0 (4500 l/hour)
8,0 (500 l/hour) / 12,0 (4500 l/hour)	13,0 (500 l/hour) / 17,0 (4500 l/hour)	18,0 (500 l/hour) / 22,0 (4500 l/hour)
6,0 (500 l/hour) / 10,0 (4500 l/hour)	8,0 (500 l/hour) / 12,0 (4500 l/hour)	15,0 (500 l/hour) / 19,0 (4500 l/hour)
400	400	400
63	63	63
0 - 335°	0 - 335°	0 - 335°
75°	75°	75°
1541x1061x1747	1541x1061x1747	1955x1238x2026
1004x1061x200	1004x1061x200	1004x1061x200
●	●	●
●	●	●
●	●	●
●	●	●
●	●	●
○	○	○
○	○	○
○	○	○
○	○	○
○	○	○
-	-	-
○	○	○
4210.0012	4210.0013	4210.0014



## Tera skid options

Type 45 - 60 - 75 - 90



Article number	Description
4225.0099	<b>Skid for Tera 45/60/75/90</b> The skid is required to fasten the Tera Dust Control Unit on to one of the transportation options. When combining the Tera with a skid the water and electrical connections will be relocated to the skid. The skid features inserts for pallet forks.
4225.0120	<b>Adapterframe for Tera skid</b> <i>(Only available in combination with skid. Article number 4225.0099)</i> This adapter allows the skid to be safely fastened to an existing trailer.
4225.0108	<b>All terrain undercarriage for Tera skid</b> <i>(Only available in combination with skid. Article number 4225.0099)</i> This heavy duty version, also known as a slow trailer features two prop stands and a jockey wheel.
4225.0109	<b>Single axle trailer for Tera skid</b> <i>(Only available in combination with skid. Article number 4225.0099)</i> This road legal, custom built trailer features a single axle, two prop stands, jockey wheel and braked coupling unit. The incorporated coupling structure allows quick and simple loading and unloading of the Tera. The Tera is securely fastened using spring loaded retainer pins.
4225.0110	<b>Twin axle trailer for Tera skid</b> <i>(Only available in combination with skid. Article number 4225.0099)</i> This road legal, custom built trailer features twin axles, integrated storage container, two prop stands, jockey wheel and braked coupling unit. The incorporated coupling structure allows quick and simple loading and unloading of the Tera. The Tera is securely fastened using spring loaded retainer pins.





<p><b>Weight</b> <b>165 kg</b></p>		
<p><b>52 kg</b></p>	<p><b>Composition with Skid</b> 4225.0120 + 4225.0099</p>	<p><b>Weight</b> <b>217 kg</b></p>
<p><b>143 kg</b></p>	<p>4225.0108 + 4225.0099</p> <p><b>308 kg</b></p>	
<p><b>258 kg</b></p>	<p>4225.0109 + 4225.0099</p> <p><b>423 kg</b></p>	
<p><b>448 kg</b></p>	<p>4225.0110 + 4225.0099</p> <p><b>613 kg</b></p>	

\* Dimensions as indication



# Tera skid plus options

45 - 60 - 75 - 90



Type	Option	TERA fitted with skid	TERA fitted with skid + adapter frame
		Article number	Article number
TERA 45	<b>Tera 45 Dust Control Unit</b>	<b>4210.0020</b>	<b>4210.0020</b>
	Skid	4225.0099	4225.0099
	Adapter frame	-	4225.0120
	All terrain undercarriage	-	-
	Single axle trailer	-	-
	Twin axle trailer	-	-
TERA 60	<b>Tera 60 Dust Control Unit</b>	<b>4210.0012</b>	<b>4210.0012</b>
	Skid	4225.0099	4225.0099
	Adapter frame	-	4225.0120
	All terrain undercarriage	-	-
	Single axle trailer	-	-
	Twin axle trailer	-	-
TERA 75	<b>Tera 75 Dust Control Unit</b>	<b>4210.0013</b>	<b>4210.0013</b>
	Skid	4225.0099	4225.0099
	Adapter frame	-	4225.0120
	All terrain undercarriage	-	-
	Single axle trailer	-	-
	Twin axle trailer	-	-
TERA 90	<b>Tera 90 Dust Control Unit</b>	<b>4210.0014</b>	<b>4210.0014</b>
	Skid	4225.0099	4225.0099
	Adapter frame	-	4225.0120
	All terrain undercarriage	-	-
	Single axle trailer	-	-
	Twin axle trailer	-	-



**TERA fitted with  
skid + all terrain undercarriage**

**TERA fitted with  
skid + single axle trailer**

**TERA fitted with  
skid + twin axle trailer**

<b>Article number</b>	<b>Article number</b>	<b>Article number</b>
<b>4210.0020</b>	<b>4210.0020</b>	<b>4210.0020</b>
4225.0099	4225.0099	4225.0099
-	-	-
4225.0108	-	-
-	4225.0109	-
-	-	4225.0110

<b>4210.0012</b>	<b>4210.0012</b>	<b>4210.0012</b>
4225.0099	4225.0099	4225.0099
-	-	-
4225.0108	-	-
-	4225.0109	-
-	-	4225.0110

<b>4210.0013</b>	<b>4210.0013</b>	<b>4210.0013</b>
4225.0099	4225.0099	4225.0099
-	-	-
4225.0108	-	-
-	4225.0109	-
-	-	4225.0110

<b>4210.0014</b>	<b>4210.0014</b>	<b>4210.0014</b>
4225.0099	4225.0099	4225.0099
-	-	-
4225.0108	-	-
-	4225.0109	-
-	-	4225.0110

## Tera Combi Skid

### Type 45 - 60 - 75 - 90

Article number	Description	Weight	
4225.0243	<b>Tera 45 Combi Skid</b> A galvanised steel frame.	<b>395 kg</b>	
4225.0245	<b>Tera 60/75/90 Combi Skid</b> A galvanised steel frame.	<b>540 kg</b>	
4225.0211	<b>Dehaco Eco Power generator 15ME (Tera 45)</b> lxbxh = 1700x780x1230mm, capacity diesel tank 50 liter.	 <b>554 kg</b>	
4225.0212	<b>Dehaco Eco Power generator 30ME (Tera 60/75)</b> lxbxh = 2080x960x1420mm, capacity diesel tank 100 liter.		<b>900 kg</b>
4225.0213	<b>Dehaco Eco Power generator 40ME (Tera 90)</b> lxbxh = 2080x960x1420mm, capacity diesel tank 100 liter.  The Eco diesel generators are prepared for mounting and therefore suitable for the Tera CC water tank. All Eco models feature a Mitsubishi motor.		<b>920 kg</b>

\* Dimensions as indication



**TERA fitted with  
Combi Skid**

Option	Article number
<b>Tera 45 Dust Control Unit</b>	<b>4210.0020</b>
Combi Skid type 45/50	4225.0243
Dehaco Eco Power generator 15 ME	4225.0211
Dehaco Eco Power generator 30 ME	
Dehaco Eco Power generator 40 ME	
<b>Tera 60 Dust Control Unit</b>	<b>4210.0012</b>
Combi Skid type 60/75/90	4225.0245
Dehaco Eco Power generator 15 ME	-
Dehaco Eco Power generator 30 ME	4225.0212
Dehaco Eco Power generator 40 ME	-
<b>Tera 75 Dust Control Unit</b>	<b>4210.0013</b>
Combi Skid type 60/75/90	4225.0245
Dehaco Eco Power generator 15 ME	-
Dehaco Eco Power generator 30 ME	4225.0212
Dehaco Eco Power generator 40 ME	-
<b>Tera 90 Dust Control Unit</b>	<b>4210.0014</b>
Combi Skid type 60/75/90	4225.0245
Dehaco Eco Power generator 15 ME	-
Dehaco Eco Power generator 30 ME	-
Dehaco Eco Power generator 40 ME	4225.0213





## Tera CC watertank

### Type 45 - 60 - 75 - 90

Article number	Description
4225.0104	<p><b>Tera CC 2200 liter water tank for Tera 45/60/75/90</b></p> <p>A galvanised steel frame featuring an aluminium water tank with a capacity of 2200 litres. The standard CC water tank includes the following features:</p> <ul style="list-style-type: none"><li>■ Inspection chamber for the water supply including a collection filter.</li><li>■ Ball cock by water inlet to prevent overflowing.</li><li>■ Both sides of the CC feature steps with anti slip diamond plate and forklift inserts.</li><li>■ Four easily accessible lifting eyes.</li><li>■ Clear water level indicator.</li><li>■ An emergency stop.</li><li>■ Preparation for additional electrical connections. (3x 230V, 1x 400V/16A or 2x110V connections including fuse)</li><li>■ Stainless steel submersible pump</li><li>■ Water tank and submersible pump share a central drain point.</li></ul>
4225.0204	<p><b>Wheel loader frame for Tera CC water tank</b> <i>(Only available in combination with CC watertank art.nr. 4225.0104)</i></p> <p>A galvanised steel frame in which the CC water tank can be installed. The wheel loader frame features two heavy duty inserts for the forks of the carrier, allowing the Tera CC to be transported. The dimensions of the frame protect the generator, water tank en Tera dust control unit during transport, loading and unloading.</p>
4225.0218	<p><b>Twin axle all terrain undercarriage for Tera CC water tank</b> <i>(Only available in combination with CC watertank art.nr. 4225.0104)</i></p> <p>This heavy duty undercarriage, also known as a slow trailer is manufactured from galvanised steel. The undercarriage includes the following features:</p> <ul style="list-style-type: none"><li>■ Four heavy duty off road wheels.</li><li>■ Mechanical brake.</li><li>■ Five heavy duty prop stands to stabilise and level the unit.</li><li>■ Wide, anti slip steps for simple operation and maintenance of the generator.</li></ul>
4225.0219	<p><b>Tri axle trailer for Tera CC water tank</b> <i>(Only available in combination with CC watertank art.nr. 4225.0104)</i></p> <p>This road legal trailer features triple axles, jockey wheel and braked coupling unit.</p>
4225.0211	<p><b>Dehaco Eco Power generator 15ME for Tera CC watertank</b></p>
4225.0212	<p><b>Dehaco Eco Power generator 30ME for Tera CC watertank</b></p>
4225.0213	<p><b>Dehaco Eco Power generator 40ME for Tera CC watertank</b></p> <p>The Eco diesel generators are prepared for mounting and therefore suitable for the Tera CC water tank. All Eco models feature a Mitsubishi motor.</p>



**Weight**

**1.115 kg**



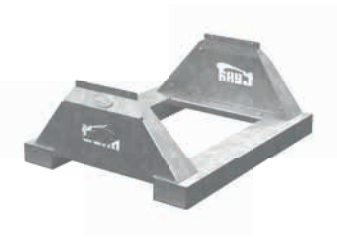
**Option including Tera CC water tank**

**Weight**

**704 kg**

4225.0204 + 4225.0104

**1.819 kg**



**365 kg**

4225.0218 + 4225.0104

**1.480 kg**



**700 kg**



**554 kg**

**900 kg**

**920 kg**





## Tera CC watertank plus options

45 - 60 - 75 - 90



**TERA fitted with CC Watertank**

Type	Option	Article number
<b>TERA 45</b>	<b>Tera 45 Dust Control Unit</b>	<b>4210.0020</b>
	CC watertank 2200 L for Tera 45/60/75/90	4225.0104
	Wheel loader frame for Tera CC	-
	Twin axle all terrain undercarriage for Tera CC	-
	Tri axle trailer for Tera CC	-
	Dehaco Eco Power generator 15 ME for Tera CC	4225.0211
	Dehaco Eco Power generator 30 ME for Tera CC	-
	Dehaco Eco Power generator 40 ME for Tera CC	-
<b>TERA 60</b>	<b>Tera 60 Dust Control Unit</b>	<b>4210.0012</b>
	CC watertank 2200 L for Tera 45/60/75/90	4225.0104
	Wheel loader frame for Tera CC	-
	Twin axle all terrain undercarriage for Tera CC	-
	Tri axle trailer for Tera CC	-
	Dehaco Eco Power generator 15 ME for Tera CC	-
	Dehaco Eco Power generator 30 ME for Tera CC	4225.0212
	Dehaco Eco Power generator 40 ME for Tera CC	-
<b>TERA 75</b>	<b>Tera 75 Dust Control Unit</b>	<b>4210.0013</b>
	CC watertank 2200 L for Tera 45/60/75/90	4225.0104
	Wheel loader frame for Tera CC	-
	Twin axle all terrain undercarriage for Tera CC	-
	Tri axle trailer for Tera CC	-
	Dehaco Eco Power generator 15 ME for Tera CC	-
	Dehaco Eco Power generator 30 ME for Tera CC	4225.0212
	Dehaco Eco Power generator 40 ME for Tera CC	-
<b>TERA 90</b>	<b>Tera 90 Dust Control Unit</b>	<b>4210.0014</b>
	CC watertank 2200 L for Tera 45/60/75/90	4225.0104
	Wheel loader frame for Tera CC	-
	Twin axle all terrain undercarriage for Tera CC	-
	Tri axle trailer for Tera CC	-
	Dehaco Eco Power generator 15 ME for Tera CC	-
	Dehaco Eco Power generator 30 ME for Tera CC	-
	Dehaco Eco Power generator 40 ME for Tera CC	4225.0213





**TERA fitted with  
CC Watertank +  
Wheel loader frame**

**TERA fitted with  
CC Watertank + Twin axle  
all terrain undercarriage**

**TERA fitted with  
CC Watertank +  
Tri axle trailer**

Article number

Article number

Article number

**4210.0020**

**4210.0020**

**4210.0020**

4225.0104

4225.0104

4225.0104

4225.0204

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4225.0218

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4225.0219

4225.0211

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**4210.0012**

**4210.0012**

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4225.0104

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4225.0204

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**4210.0014**

**4210.0014**

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4225.0104

4225.0104

4225.0104

4225.0204

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4225.0218

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4225.0219

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4225.0213

4225.0213

4225.0213

# Tera generic options

## Type 45 - 60 - 75 - 90

Article number	Description	
4225.0101	<p><b>Electrically operated tilting for Tera 45/60/75/90</b></p> <p>This option allows the tilt angle of the turbine to be adjusted electronically.</p>	
4225.0102	<p><b>Remote control for Tera 45/60/75/90</b></p> <p>All models can be combined with a remote control allowing the most important features to be operated from a distance.</p>	
4225.0100	<p><b>Touchscreen and wifi package for Tera 45/60/75/90</b></p> <p>This package allows all of the Tera's functions to be controlled using a touchscreen. The operating system is available in multiple languages. The package also includes a wifi transmitter, where all of the functions of the Tera can be operated using a mobile telephone or tablet. This allows the safe and comfortable operation of the Tera from a distance.</p>	
4230.0103 4230.0009	<p><b>UVC2000 water decontamination system for Tera 45</b></p> <p><b>UVC5000 water decontamination system for Tera 60/75/90</b></p> <p>This system prevents the emission of bacteria's such as legionnaires disease during operation. The system includes an UV-lamp and a control panel where the necessary information can be monitored.</p>	
9100.0047 4230.0010	<p><b>Power cable 25 meter 32A for Tera 45</b></p> <p><b>Power cable 25 meter 63A for Tera 60/75/90</b></p>	





## Hydraulic Attachments



## Dust suppression systems



## Safety Products

For more information contact your dealer:



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