

# Winter attachments



**Facts and technical data on the snow sweeper, snow blower, snow plough, snow V-plough and salt and sand spreader for the City Ranger 3070**

# Powerful winter maintenance

## Enter wintertime - with ease of mind

Use your City Ranger 3070 to keep the traffic running and pedestrian zones safe when snow starts falling.

### A strong machine for winter tasks

Several aspects of the City Ranger 3070 makes it a suitable machine for winter maintenance as well.

- High performance engine with 74 HP
- Permanent 4WD
- Dedicated attachments

### High performance winter attachments

The City Ranger 3070 is a perfect winter solution for housing associations, smaller and larger contractors and municipalities. The dedicated attachments are very efficient and with the low noise level, operation in residential areas is not a problem.

#### Winter attachments:

- [Snow sweeper](#)
- [Snow blower](#)
- [Snow plough](#)
- [Snow V-plough](#)
- [Salt and sand spreader](#)

The snow sweeper easily sweeps away up to 250 mm of light fluffy snow. The clearing width turned to the maximum turning angle of 25° is 1320 mm, and with the brush straight it is 1460 mm. The brush can also rotate in a reverse direction.

When winter rages and the masses of snow really leave their mark on the landscapes, the snow thrower can be an indispensable tool. With a working width of 1300 mm, the snow thrower effortlessly handles up to 700 mm of snow in one workflow, and sends the snow far away.

The snow plough handles up to 400 mm of heavy snow. The clearing width is between 1360 and 1500 mm all depending on the inclination of the blade. Maximum inclination is 25° and it is adjusted from the comfort of the cabin.

When heavy and icy snow covers the ground, you need the snow V-plough close at hand. It uses the tip of the 'V' to cut through heavy and encrusted snow, separating and pushing it to both sides. Even large amounts of snow are removed with ease.

The salt and sand spreader is a perfect match to the front attachments. It has a maximum capacity of 600 l or 950 kg all depending on the material. The spreading width can be adjusted between 1500-6000 mm.

The snow sweeper, the snow blower, the snow plough or the snow V-plough can work in tandem with the salt and sand spreader, enabling you to do two tasks at the same time - i.e. clearing the snow and spreading salt or sand on the icy streets and paths, all in one pass.

As with the other attachments, the winter attachments can also be changed in less than a minute - including the salt and sand spreader! The salt and sand spreader is easily changed with the optional stand or a fork-lift and the snow sweeper has integrated stand legs.

### High quality paint

The Egholm winter attachments are well-protected against the winter environment. Withstanding many hours of salt spray in tests, the coatings will provide high quality attachments, with good resistance, ensuring a long lifetime.

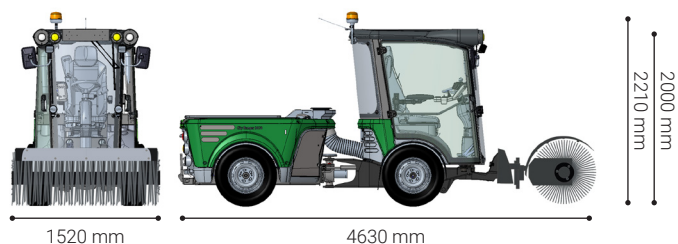
### Anti-corrosion treatment

We recommend the optional anti-corrosion treatment of both utility machine and attachments when operating in winter season.



# Snow sweeper

## - City Ranger 3070



### Standard equipment:

- Support legs** The support legs are included on the snow sweeper, which make it easy to detach and store the sweeper. The support legs protect the brush when the sweeper is stored.
- Brush pressure system** Activating the hydraulic weight distribution makes the front brush follow ground variations. In addition, the operator can control the brush pressure from the controls in the cabin. Being able to easily adjust the brush pressure to match the need allows the operator to drive with the lowest needed pressure on the brush, and thereby reduce the wear. The system enhances performance and reduces operating costs.
- Oscillating snow sweeper** The snow sweeper has an oscillating movement allowing it to follow ground variations.
- Trapeze mounting** The trapeze mounting ensures the snow sweeper remains clear of the wheels of the utility machine at all times, whatever the angle. The snow sweeper automatically turns with the utility machine - always sweeping in front of the wheels of the utility machine.
- Reverse rotation function** Reversing the brush rotation ensures that the operator can sweep material when reversing out of an alley or parking spot, which ensures an excellent result.
- Adjustable speed** The rotation speed can easily be adjusted from the cabin to match the need for sweeping.

### Extra equipment (options):

- Extended brush guard** Attaching a brush guard extends the snow sweeper cover, which minimises the snow whirling up on the front wind-screen. Furthermore, the guard makes it easier to control the direction of swept sand and gravel during summer operation. This can be retrofitted on existing snow sweepers as well.
- Tyres 235/60 R 16 (M+S)** The wide tyres are also suitable for winter service. They also have an M+S identifier (snowflake), but generate less ground pressure.
- Tyres 195/70 R 15 (M+S)** When using snow chains, we recommend 15" tyres. Like the 16" wheels, these tyres also have an M+S code and are suitable for winter service use.
- Anti-corrosion treatment** The anti-corrosion treatment will extend the life of the attachment.

### Technical specifications

#### Dimensions

Length	mm	4630
Width	mm	1520
Height / with beacon	mm	2000 / 2210

#### Storage dimensions

Length with support stand	mm	1100
Width	mm	1520
Height with support stand	mm	750

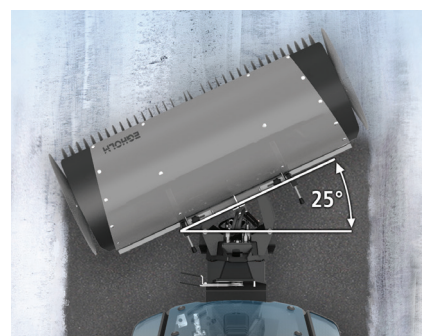
#### Weight

Weight (snow sweeper)	kg	145
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#### Performance

Clearing width - straight	mm	1460
Clearing width - angled 25°	mm	1320
Ground clearance below brush	mm	340
Brush diameter Ø	mm	600
Operating speed	km/h	1-15
Theoretical sweeping capacity	m <sup>2</sup> /h	21900
Handling snow depth up to	mm	250
Brush speed	rpm	0-250
Turning angle		25°

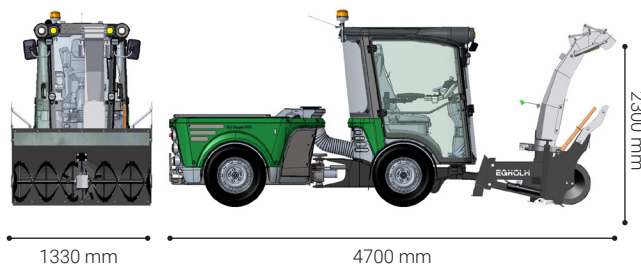
#### CE certified according to EU directive





# Snow blower

## - City Ranger 3070



### Standard equipment:

<b>Hydraulic adjustment of the chute</b>	The vertical and horizontal direction of the chute is hydraulically adjusted via the joystick from inside the cabin.
<b>Safety feature</b>	In case of clogging, the in-take of the machine is equipped with spring bolts to protect it from over-stress.
<b>Adjustable weight distribution</b>	For optimum functionality as well as minimum wear of the attachment.
<b>Skid</b>	The 2 skids are height adjustable to ensure that the blade adjusts to surface variations.
<b>Blade</b>	The snow blower has a replaceable blade.

### Extra equipment (options):

<b>Tyres 235/60 R 16 (M+S)</b>	The wide tyres are also suitable for winter service. They also have an M+S identifier (snowflake), but generate less ground pressure.
<b>Tyres 195/70 R 15 (M+S)</b>	When using snow chains, we recommend 15" tyres. Like the 16" wheels, these tyres also have an M+S code and are suitable for winter service use.
<b>Anti-corrosion treatment</b>	The anti-corrosion treatment will extend the life of the attachment.

### Technical specifications

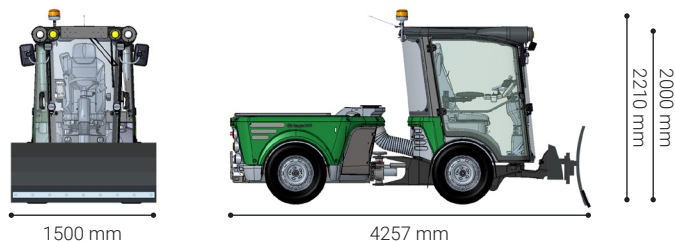
Dimensions		
Length	mm	4700
Width	mm	1330
Height / with beacon	mm	2300 / 2300
Storage dimensions		
Length	mm	1120
Width	mm	1330
Height	mm	1800
Weight		
Weight (snow blower)	kg	285
Performance		
Clearing width	mm	1300
Feed intake height	mm	700
Ground clearance below snow blower	mm	390
Auger diameter	mm	400
Blower diameter	mm	400
Axle revolutions	rpm	0-1100
Operating speed	km/h	1-7
Noise emissions		
Sound power level LwA (2000/14/EC and DIN EN ISO 3744)	dB(A)	106
CE certified according to EU directive		





# Snow plough

## - City Ranger 3070



### Standard equipment:

- Hydraulic angle adjustment** The snow plough angle can be adjusted from the controls inside the cabin, making it easy for the operator to adjust the blade when needed.
- Safety tilt system** When operating in deep snow there is a risk of hitting obstacles. The safety tilt function reduces the risk of damages both to the snow plough and surroundings.
- Adjustable weight distribution** For optimum functionality as well as minimum wear of the attachment.
- Floating skids** The 2 skids are height adjustable and ensure that the blade follows ground variations.
- Vulkollan scraper edge** The vulcanised rubber scraping edge is good for surfaces that require extra care. The scraper edge can be turned and used on two sides giving double usage and extended lifetime. The snow plough can be mounted with either vulcanised rubber scraper or steel scraper.
- Steel scraper edge** The scraper edge can be turned and used on two sides giving double usage and extended lifetime. The snow plough can be mounted with either steel scraper or vulcanised rubber scraper.
- Indication reflexes** Reflexes marking the edge of the snow plough increases the safety for both snow plough and surroundings.

### Extra equipment (options):

- Indication flags** Flags marking the edge of the snow plough allows for precise positioning and increases the safety for both snow plough and surroundings (incl. flex pole).
- Side position lights** Side position lights increase the visibility of the snow plough.
- Support wheels** Designed to operate at higher speeds. Operation is more quiet than with skids and they have less wear reducing costs.
- Tyres 235/60 R 16 (M+S)** The wide tyres are also suitable for winter service. They also have an M+S identifier (snowflake), but generate less ground pressure.
- Tyres 195/70 R 15 (M+S)** When using snow chains, we recommend 15" tyres. Like the 16" wheels, these tyres also have an M+S code and are suitable for winter service use.
- Anti-corrosion treatment** The anti-corrosion treatment will extend the life of the attachment.

### Technical specifications

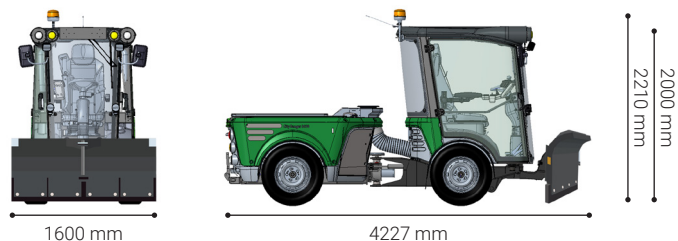
Dimensions		
Length	mm	4257
Width	mm	1500
Height / with beacon	mm	2000 / 2210
Storage dimensions		
Length	mm	700
Width	mm	1500
Height	mm	650
Weight		
Weight (snow plough)	kg	183
Performance		
Clearing width - straight	mm	1500
Clearing width - inclined	mm	1360
Ground clearance below scraper	mm	390
Operating speed	km/h	1-30
Handling snow depth up to	mm	400
Turning angle		25°
Theoretical performance	m <sup>2</sup> /h	40800
CE certified according to EU directive		





# Snow V-plough

## - City Ranger 3070



### Standard equipment:

<b>Hydraulic angle adjustment</b>	Each side/blade can be adjusted from the controls inside the cabin, making it easy for the operator to adjust the blades when needed.
<b>Safety tilt function</b>	When operating in deep snow there is a risk of hitting obstacles. The safety tilt function of lower part of the V-plough reduces the risk of damages both to the snow V-plough and surroundings.
<b>Adjustable weight distribution</b>	For optimum functionality as well as minimum wear of the attachment.
<b>Floating skids</b>	The 2 skids are height adjustable and ensure that the blade follows ground variations.
<b>Vulkollan scraper edge</b>	The vulcanised rubber scraping edge is good for surfaces that require extra care. The scraper edge can be turned and used on two sides giving double usage and extended lifetime. The snow V-plough can be mounted with either vulcanised rubber scraper or steel scraper.
<b>Steel scraper edge</b>	The scraper edge can be turned and used on two sides giving double usage and extended lifetime. The snow V-plough can be mounted with either steel scraper or vulcanised rubber scraper.
<b>Indication reflexes</b>	Reflexes marking the edge of the snow V-plough increases the safety for both snow V-plough and surroundings.

### Extra equipment (options):

<b>Indication flags</b>	Flags marking the edge of the plough allows for precise positioning and increases the safety for both snow V-plough and surroundings (incl. flex pole).
<b>Side position lights</b>	Side position lights increase the visibility of the snow V-plough.
<b>Support wheels</b>	Designed to operate at higher speeds. Operation is more quiet than with skids and they have less wear reducing costs.
<b>Tyres 235/60 R 16 (M+S)</b>	The wide tyres are also suitable for winter service. They also have an M+S identifier (snowflake), but generate less ground pressure.
<b>Tyres 195/70 R 15 (M+S)</b>	When using snow chains, we recommend 15" tyres. Like the 16" wheels, these tyres also have an M+S code and are suitable for winter service use.
<b>Anti-corrosion treatment</b>	The anti-corrosion treatment will extend the life of the attachment.

### Technical specifications

#### Dimensions

Length	mm	4227
Width (straight)	mm	1600
Height / with beacon	mm	2000 / 2210

#### Storage dimensions

Length	mm	600
Width	mm	1600
Height	mm	810

#### Weight

Weight (snow V-plough)	kg	236
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#### Performance

Clearing width - straight	mm	1600
Clearing width - inclined	mm	1380-1600
Clearing width - 30°, Y- & V-form	mm	1380
Ground clearance below scraper	mm	350
Operating speed	km/h	1-30
Handling snow depth up to	mm	450
Turning angle		30°
Theoretical performance	m <sup>2</sup> /h	41400

#### CE certified according to EU directive



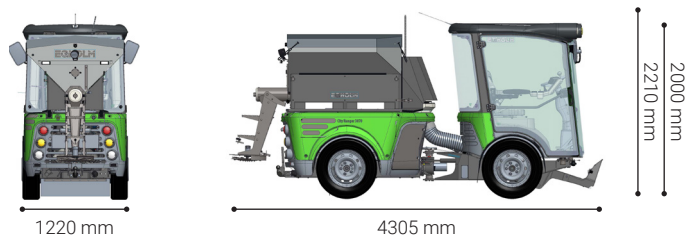
Video



**EGHOLM**

# Salt and sand spreader

- City Ranger 3070



## Standard equipment:

- Start/stop function** The start/stop function ensures that the spreading follows the motion of the vehicle. All spreading stops when the vehicle stops moving.
- Tarpaulin cover** A folded cover keeps the material dry and thereby indirectly improve the spreading accuracy.
- Safety net/grid** A net is placed on the top of the spreader to restrict access into the auger - thereby reducing risk of injuries. The net has an easy lock system, which makes it easy to remove if you need to get access to the auger.
- Holes for forklift** The spreader is constructed with two holes in the bottom which allows for attachment or detachment by a forklift or similar. Thereby the spreader can easily be stored on warehouse racks or similar when not in use.
- Stirrer** The stirrer prevents blocking, crushes lumps and ensures precise and uniform spreading - and thereby even thawing of the ground.
- Ladder** For easy inspection of spreader.
- Speed dependant function** Spreading of material depends on driving speed.

## Extra equipment (options):

- Stand** A stand for attaching/detaching the salt and sand spreader. The stand has wheels, making it easy to move the spreader into storage without heavy lifting. The stand is the same as the one used for the suction sweeper - just use the included adaptor. In case you have a stand already, the adaptor can be bought separately.
- Flash light / beacon** Flash light / beacon on the salt and sand spreader ensures an extra safety parameter.
- Rear working light** The operator can inspect and adjust the spreading disc when working in dark conditions.
- Auger cover for vacuum salt** The cover ensures that tiny material such as vacuum salt, does not just run out of the spreader, which reduces the waste and increase the operation efficiency.
- Tyres 235/60 R 16 (M+S)** The wide tyres are also suitable for winter service. They also have an M+S identifier (snowflake), but generate less ground pressure.
- Tyres 195/70 R 15 (M+S)** When using snow chains, we recommend 15" tyres. Like the 16" wheels, these tyres also have an M+S code and are suitable for winter service use.
- Anti-corrosion treatment** The anti-corrosion treatment will extend the life of the attachment.

## Technical specifications

Dimensions		
Length	mm	4305
Width	mm	1220
Height / with beacon	mm	2000 / 2210
Storage dimensions		
Length with stand	mm	2444
Width with stand	mm	1110
Height with stand	mm	2012
Weights		
Weight (spreader)	kg	295
Payload (spreader) <sup>1)</sup>	kg	950
Spreader		
Volume	l	600
Loading height	mm	1850
Performance		
Spreading width	mm	1500-6000
Operating speed	km/h	1-30
CE certified according to EU directive		

<sup>1)</sup> With no attachment mounted on the A frame.



## Honest Work,

Egholm A/S develops, produces and markets utility machines that keep roads, parks and outdoor areas clean and inviting all year round. We supply functional quality machines and attachments to people who do an honest day's work keeping our cities clean and attractive. With special attachments developed for the machines, Egholm machines deliver perfect results no matter the task at hand. Built by craftsmen in Denmark, Egholm machines are in operation in cities and parks all over the world.

## Honest Machines,

Egholm utility machines are developed by people who are passionate about technology and innovation. We listen to the people driving, using and servicing Egholm machines, because they are the true experts. It is our mission to design, build and market utility machines that deliver perfect results in real life. Egholm machines are honest machines - not just because they deliver comfort, safety and strong end results: They are also a sound investment for years to come and give you outstanding return on your investment.

## Honest People,

We want you to think of us as your partner in every single way. And we always insist on reliability, trust and honesty in our partnership with you and with our network of dealers and service partners. We are straightforward and direct in our communication and in our dealings with everyone. Our belief in hard work and unwillingness to compromise helps us deliver the quality for which we are known. And we believe it is reflected by the machines we build for you, as well.

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