

Technical data



**Technical data on City Ranger 3070
- basic machine and attachments**

Basic machine

- City Ranger 3070



Standard equipment:

- Standard tires** All season M+S (Mud & Snow) tires with good winter capabilities are standard.
- Air-condition** A/C provides a comfortable working environment.
- Comfort seat** The comfort seat offers several adjustment possibilities ensuring a good working position for the operator.

Extra equipment (options):

- Wide-base tires** Type M+S. Improve the operator and driving comfort, whilst also reducing the ground pressure. With wide-base tires the width of the basic machine is 1280 mm.
- Grass/turf tires ²⁾** Significant reduction of ground pressure gives access to sensitive areas and improves comfort. It is optimal for soft conditions due to a high traction - e.g. golf and football pitches. It also has good performance in snowy conditions.
- Winter tires with snow chains ²⁾** Type M+S. When snowy and icy roads, the utility machines grip is significantly impaired. When you use snow chains, you increase the machines grip and stability and thereby increase safety.
- High-end comfort seat** The market leading ISRI comfort seat ensures good operator comfort and an ergonomic working position for long working days. Included: Air suspension adjusting to operator weight, heated seat, adjustable lumbar support, neck and back rest, armrest and 3 point seat belt.
- Working lights - top** Extra LED lights mounted just below the standard lights of the machine. These lights provide a clear overview of surroundings and obstacles.
- middle** The middle LED lights provides an excellent view of the attachment, as well as close surroundings and confined spaces. All working lights are ideal for night operation.
- Beacon & rear working light** Beacon and rear working light can be mounted in either left and/or right side of the machine. The rotating warning light alerts about the presence of the machine at a 360 degree angle. Beacon and rear working light come in set.
- Rear view camera & colour screen** Rear view camera with a colour screen ensures good visibility in confined spaces, where the operated path can be inspected. It also improves safety in pedestrian zones.
- Suction mouth camera** The suction mouth camera image is shown on the same screen as the reverse view camera, however, only when the machine is not in reverse gear. The suction mouth camera allows the operator to see whether material accumulates in front of the suction mouth and, thus, allows the operator to adjust the speed and suction of the machine accordingly. Acquiring the suction mouth camera is only possible when selecting the reverse view camera as an optional purchase.
- Blue-tooth radio** FM or DAB+ with integrated speakers in the headliner.
- Comfort package** Cruise control improves the driving comfort and the operator can focus more on operation and steering. It is easy to keep track of the daily or weekly operating hours with the trip meter. With the auto-lift function you can select if the machine should automatically lift the attachment when reversing.
- Heated side view mirrors** A convenient way to clear away ice, snow and dew from your mirrors.
- Reversing alarm** An alarm when reversing increases the safety in city centers and pedestrian areas. Type: BU1.
- Trailer coupling** Is mounted for the use of trailer.
- Trailer plug** For the use of trailer.
- Tip for trailer** Dobbelt-acting hydraulic connection for the use of trailer tip etc.
- Anti-corrosion treatment** The anti-corrosion treatment of the basic machine is recommended when operating in the winter season.
- Colour changes** The standard green colour can be changed to the desired RAL colour for your specific needs.

Technical specifications

Dimensions		
Length	mm	3685
Width	mm	1220
Height / with beacon	mm	2000 / 2210
Weights & other data		
Weight basic machine ¹⁾	kg	1800
Payload	kg	1200
Gross vehicle weight	kg	3000
Allowed axle load, front	kg	2000
Allowed axle load, back	kg	2000
Max. permitted trailer weight without brakes	kg	750
Max. combined weight without brakes	kg	3000
Max. permitted trailer weight with brakes	kg	2000
Max. combined weight with brakes	kg	5000
Performance		
Turning circle - kerb to kerb	mm	4120
Turning circle - inside	mm	1650
Operating speed, max.	km/h	40
Working hydraulic (PTO) front / rear - flow	l/min.	0-60
Working hydraulic (PTO) front / rear - max. pressure	bar	220
Auxiliary hydraulic (AUX 1) and (AUX 2) front - flow	l/min.	0-12
Auxiliary hydraulic (AUX 1) and (AUX 2) front - max. pressure	bar	210
Auxiliary hydraulic (AUX) rear - flow	l/min.	0-12
Auxiliary hydraulic (AUX) rear - max. pressure	bar	210
Noise level		
Passing (Outside - 2009/63/EC)	dB(A)	76
Operators seat (Inside - 2009/76/EC)	dB(A)	69
Engine		
Model	Perkins diesel 404F-E22TA	
EU norm	Stage IIIB	
Engine power	hp/kW	67/50
Fuel tank capacity	l	50
CE certified according to EU directive		

¹⁾ Includes: 75 kg driver and 90% fuel capacity.

²⁾ Type approval of the machine does not include turf tires and 15" winter tires with snow chains.



Suction sweeper

- City Ranger 3070



Standard equipment:

- Hopper** As standard the hopper has a rotation filter system and a fresh water tank with 190 l capacity.
- Front brush unit** The unit consists of a suction mouth and two front brushes with a water nozzle on each.
- Vacuum sensor** Monitors the flow through the suction hose and gives an indication if the suction hose is clogged. With this feature, the collection can be optimized.
- Brush pressure system** Activating the hydraulic weight distribution makes the front brushes 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 types and levels of debris allows the driver to drive with the lowest needed pressure on the brushes, and thereby reduce the wear on them. The system enhances performance and reduces operating costs.

Extra equipment (options):

- 3rd brush** Small and compact side brushes provide good reach under obstacles while also extending the working width. The overlapping brushes also reduce the risk of leaving trails while turning to a minimum. The flexibility of the brushes means the operator can still get into narrow areas.
- Wander hose** The wander hose system is handy for areas out of reach of the suction sweeper unit. With easy access, great mobility and excellent suction performance, cleaning tasks around park bins, benches, steps, tress and other obstacles can be done in no time and with good results. Specifications: 5 m x Ø150 mm.
- High pressure washer** A long and flexible high pressure hose and lance makes the cleaning of statues, park bins and benches easy. The lance is ergonomic and water amounts can be adjusted to conserve water. Specifications: 7.5 m hose, 100 bar and 10 l/min.
- Recirculation water system** By choosing the recirculation water system, you can ensure a constant cleaning of the suction pipe while sweeping sticky material. 125 litre is recommended.
- Hopper stand** The stand for attaching, detaching and storing the hopper allows you to attach/detach the hopper in just 1 minute supporting the multifunctionality of the machine.
- Wide-base tires** To improve the operator and driving comfort, whilst also reducing the ground pressure, we recommend wide-base tires when using the suction sweeper. When wide-base tires are mounted, the width of the basic machine is 1280 mm.
- Smaller brushes** The suction sweeper is as standard equipped with Ø850 brushes. Smaller Ø570 brushes are optional.

Technical specifications

Dimensions		
Length	mm	4242
Width	mm	1430
Height / with beacon	mm	2000 / 2210
Length with 3 rd brush	mm	4442
Weights & other data		
Weight ¹⁾	kg	2270
Payload	kg	730
Weight - hopper (excl. options)	kg	330
Weight - front brushes, 2 brushes	kg	140
Weight - 3 rd brush	kg	46
Hopper		
Hopper net volume (EN 15429-1)	l	950
Hopper gross volume	l	1050
Tipping height	mm	1700
Fresh water tank capacity	l	190
Recirculation water volume (recommended)	l	125
Sweeping system & performance		
Working width - 2 brushes (Ø850), min. (top plate brushes)	mm	1430
Working width - 2 brushes (Ø850), max. (brushes)	mm	2300
Working width - 3 brushes (Ø850), max. (brushes)	mm	2757
Turning circle - 2 brushes (Ø850) and hopper (wall to wall), min. - max. ²⁾	mm	4730 - 5580
Working width - 2 brushes (Ø570), min. (top plate brushes)	mm	1262
Working width - 2 brushes (Ø570), max. (brushes)	mm	2060
Turning circle - 2 brushes (Ø570) and hopper (wall to wall), min. - max. ²⁾	mm	4551 - 5300
Brush speed	rpm	0-150
Brush diameter Ø	mm	850
Brush diameter - 3 rd brush	mm	570
Suction mouth, width x length	mm	721 x 360
Suction tube diameter Ø	mm	160
Suction width, suction mouth, min. - max.	mm	370 - 705
Clearance below suction mouth	mm	110
Ground clearance below brushes	mm	170
Noise level - outside LwA (2000/14/EC)	dB(A)	99
Dust levels: EUnited PM10 and PM2.5		****
CE certified according to EU directive		

¹⁾ Includes: hopper, 2 brushes, 75 kg driver and 90% fuel capacity.

²⁾ EN 15429-1



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 driver 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.
- Turf tires ¹⁾** Though they are named turf tires they are also excellent for winter driving. The way the thread pattern is designed means you will have a minimum of snow build up in the tire thread. This allows for a good traction when driving in snow.
- Winter tires (15") with snow chains ¹⁾** Can be useful in snowy conditions, on steep hills or icy surfaces. The chains provides a better grip and increase the efficiency of the operation.

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
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 ² /h	21900
Handling snow depth up to	mm	250
Brush speed	rpm	0-250
Turning angle		25°
CE certified according to EU directive		

¹⁾ Type approval of the machine does not include turf tires and 15" winter tires with snow chains.



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** The automatic weight distribution makes the snow plough suitable for clearing gravel paths as well.
- 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.

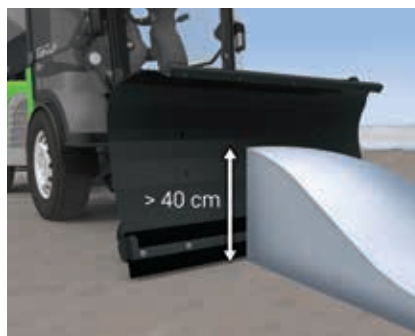
Extra equipment (options):

- 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.
- Turf tires ¹⁾** Though they are named turf tires they are also excellent for winter driving. The way the thread pattern is designed means you will have a minimum of snow build up in the tire thread. This allows for a good traction when driving in snow.
- Winter tires (15") with snow chains ¹⁾** Can be useful in snowy conditions, on steep hills or icy surfaces. The chains provides a better grip and increase the efficiency of the operation.

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 ² /h	40800
CE certified according to EU directive		

¹⁾ Type approval of the machine does not include turf tires and 15" winter tires with snow chains.



Snow V-plough

- City Ranger 3070



Standard equipment:

- Hydraulic angle adjustment** Each side/blade can be adjusted from the controls inside the cabin, making it easy for the operator to adjust the blades when needed.
- Safety tilt function** 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.
- Adjustable weight distribution** The automatic weight distribution makes it suitable for clearing gravel paths as well.
- 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 V-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 V-plough can be mounted with either steel scraper or vulcanised rubber scraper.
- Indication reflexes** Reflexes marking the edge of the snow V-plough increases the safety for both snow V-plough and surroundings.

Extra equipment (options):

- Indication flags** 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).
- Side position lights** Side position lights increase the visibility of the snow V-plough.
- Support wheels** Designed to operate at higher speeds. Operation is more quiet than with skids and they have less wear reducing costs.
- Turf tires ¹⁾** Though they are named turf tires they are also excellent for winter driving. The way the thread pattern is designed means you will have a minimum of snow build up in the tire thread. This allows for a good traction when driving in snow.
- Winter tires (15") with snow chains ¹⁾** Can be useful in snowy conditions, on steep hills or icy surfaces. The chains provides a better grip and increase the efficiency of the operation.

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
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 ² /h	41400
CE certified according to EU directive		

¹⁾ Type approval of the machine does not include turf tires and 15" winter tires with snow chains.



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. Made of hardened Hardox steel the stirrer fingers are extremely robust.

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.
- Ladder** For easy inspection of spreader.
- Flash light** Flash light 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.
- Turf tires ²⁾** Though they are named turf tires they are also excellent for winter driving. The way the thread pattern is designed means you will have a minimum of snow build up in the tire thread. This allows for a good traction when driving in snow.
- Winter tires (15") with snow chains ²⁾** Can be useful in snowy conditions, on steep hills or icy surfaces. The chains provides a better grip and increase the efficiency of the operation.

Technical specifications

Dimensions		
Length	mm	4305
Width	mm	1200
Height / with beacon	mm	2000 / 2210
Storage dimensions		
Length with / without stand	mm	2444 / 2400
Width	mm	1115
Height with / without stand	mm	2012 / 1505
Weights		
Weight (spreader)	kg	250
Payload (spreader) ¹⁾	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		

¹⁾ With no attachment mounted on the A frame.

²⁾ Type approval of the machine does not include turf tires and 15" winter tires with snow chains.



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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