

**VITRA**

**VITRA**  
C-SERIES



**MACHINES THAT EXCITE**

[www.lindholdt-maskiner.com](http://www.lindholdt-maskiner.com)

# VITRA

## A MACHINE THAT EXCITES



## DESIGN THAT EXCITES

The Vitra C-series is designed with a modern and flexible look, which radiates elegance and style, but which is also true to the original robust Vitra DNA. The original color has changed to gray, but the blue color is repeated in several design elements. The new design incorporates the latest safety standards as well as optimal comfort for the driver.

With innovative solutions such as "Silent cabin", cabin suspension that provides optimal suspension and driver comfort without compromising driving characteristics (see page 5), newly developed Danfoss driveline with higher driving speeds and load capacity, environmentally friendly Stage V engines, and a new developed cabin, the new Vitra C-Series is an efficient work machine for future outdoor maintenance.

## EFFICIENCY THAT EXCITES

The Vitra C-series is built with the latest components from, among others, Danfoss, Caterpillar and Yanmar. Through close collaboration with our suppliers, we have developed a series of machines where all individual parts are optimized down to the smallest detail. Thus, ease of use, engine performance, hydraulic flexibility and the highest environmental requirements are combined in one efficient machine.

***" The new Vitra C-series contains DNA from more than 20 years of experience with machines for outdoor maintenance "***

## QUALITY THAT EXCITES

The Vitra C series is built on quality. A strong chassis in high strength steel combined with efficient Stage V motors and hydraulic components from the top shelf as combined with more than 20 years of experience and good craftsmanship ensures a machine that performs well for many years into the future. The C-series is developed and produced in close collaboration with some of the world's leading suppliers of engines and hydraulics. Every detail has been thought of, in the pursuit of optimizing the machine and achieving even higher efficiency, higher performance and lower consumption.



# COMFORT THAT EXCITES



## OPTIMUM WORKING CONDITIONS

The comfort of the new Vitra C-Series is top notch - You experience this as soon as you enter the cabin, where the revolutionary *"Silent cabin"* welcomes the driver with efficient suspension of the cabin, the efficient air-suspended comfort seat effectively removes any remnants of vibration and ensures the operator an extremely comfortable and gentle workplace. The spacious and well-insulated cabin is equipped with exclusive materials which together with the *"Silent cabin"* keeps noise out. The cabin is equipped with a very powerful heating and ventilation system with 5 air nozzles which effectively keeps the driver warm and the windows clean in the winter and keeps cool in the summer heat. With two fully usable doors and "auto-exit" steering column, easy entry and exit is ensured.



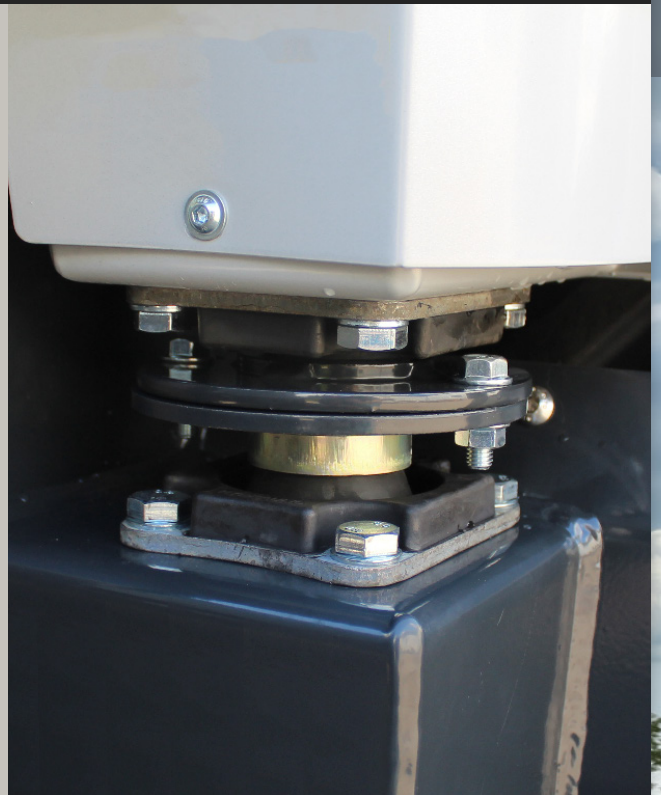
## SILENT CABIN

**"Silent Cabin" cabin suspension has been developed exclusively for the Vitra C-series.**

The criteria for the system has been to develop a suspension system that works optimally regardless of whether heavy implements or loads are mounted on the machine and regardless of, whether the weight load is at the front or rear of the machine. Likewise, the stability of the machine must not be affected by the suspension.

With "Silent Cabin" excellent driving comfort is achieved. "Silent Cabin" has been developed in collaboration with one of Europe's leading manufacturers of hydroelastic suspension, and consists of eight units which together effectively insulate the cabin from bumps and vibrations.

"Silent Cabin" also filters a large part of the longitudinal and transverse movements away from the cabin.



## THE FULL OVERVIEW

With a 360° view in the cab, the driver has a clear view to navigate safely in traffic while performing a given task.

An efficient rearview camera system with the option of up to two cameras (*option*), allows for additional overview directly from the cabin.



## SAFETY IN TOP

The new C-Series cab is a safe workplace. The four powerful steel beams in high-strength steel provide optimal safety for the driver and achieves top results in a crash tests.

With two access doors, it is ensured that the driver can always get in and out, to the side facing away from the traffic.



*All models in the C-series are fitted with the same top insulation comfort cabin which is effectively soundproofed and has a very low noise level, high driver comfort and optimal working conditions*

# PERFORMANCE THAT EXCITE



## FLEXIBILITY THAT EXCITES

It does not only require power is to be effective.

With a steering angle of up to 54° and a outer width down to 107 cm, the Vitra C-Series certainly comes around in sharp turns and narrow passages. Vitra easily forces curbs of up to 150 mm.

The effective articulated steering flexes easily up to 10° and forces large irregularities without losing traction.

*With an internal turning radius of as little as 73 cm. Vitra is flexible and comes easily through narrow passages*

## HIGH TOP SPEED



Top speeds of 27 km/h for C2.25 and up to 40 km/h for C3.75, not only provide the opportunity to perform tasks such as winter service and snow removal quickly, but also minimize the time spent on transport from A to B whereby the user achieves an efficient working day even with tasks in several areas over greater distances.



## HIGH COMFORT



The cabin comes standard with an efficient heating and ventilation system. As an option on the C2 series and as standard on the C3 series, an ISO approved air condition system is available, tested in a climate chamber at + 38 ° and -15 ° for the heating system. Combined with a quiet cabin fan and 5 powerful nozzles, the temperate air is distributed comfortably and efficiently in the cabin.



## HIGH PERFORMANCE



The **Stage-V** diesel engines not only offer excess power for the daily tasks. With up to 75 hp and 270 nm of torque in the Vitra C3.75, the latest technology such as variable turbocharger, common rail injection and electronic engine management, the Vitra protects the environment with very low particulate and CO<sup>2</sup> emissions which are approx. 25-35% lower than for petrol engines.



*With 2 fully usable doors, safety and comfort are top notch.*

*Another detail is the height and length adjustable steering column with "Auto exit", which with a light push, automatically tilts the steering column to the neutral position to ensure easy entry and exit.*

# PROPERTIES THAT EXCITE

A tool carrier is built to solve many different work tasks. The Vitra C models are designed to solve any task with an ease and efficiency that excites.

The newly developed A-frame, constructed with built-in flatface quick couplings, makes mounting attachments both quick and easy.

A newly developed "Rail system" combined with trolleys for attachments, provides an optimized installation of rear-mounted attachments.

**" More than 50 different attachment options ensure true multifunctionality "**

The many different mounting options on the Vitra C-series, combined with huge power reserves and the many attachment options, provide a real multi-machinery that can be used for many kinds of tasks - all year round!

- Dozer blade
- V-plow
- Snow Sweeper
- Sweeping Suction unit
- Triplex mower
- Lawn mower
- Flail mower
- Hedge trimmer
- Weed brush
- HotWater front
- Street washer
- Leaf collector
- Front shovel

- Sweeping Suction system
- Grass collector
- Truck bed
- Bulk spreader
- HotWater system
- Liquid tanks







The new developed A-frame with built-in flatface quick couplings, ensures easy and quick installation of attachments.



## EASY OPERATION

The new developed maneuvering system is built intuitively, and ensures easy and fast training of new users, as well as efficient and accurate operation, regardless of work task.

The C3 Series is equipped with a new proportional maneuver and PTO system, which ensures optimal flow control for a given tool. The system is easily controlled via the built-in screen mounted in the armrest and optimizes the operation.



The C3 Series is easily maneuvered with the 2 proportional joysticks, which ensure that the intuitive operation can be performed precisely



The C2 series is also built with functional and easy operation which ensures efficient and precise operation, regardless of task

**" Only need one machine for all the tasks of the year "**



# CLEANING THAT EXCITES



# C2 SWEEPING SUCTION UNIT

The new sweeping suction unit for the Vitra C2 Series offers a wide range of improvements which, put together, give users an even more effective tool for outdoor cleaning.

The system is built with a large 750/650 l dirt container (gross/net EN 5.429-2) constructed in seawater-resistant aluminium, which in addition to being very corrosion-resistant also has a low weight, which contributes to a high load capacity of 900 kg.

The container is constructed with a high tip, with unloading at a height of 1.75 m, which makes it easy to empty directly into even high containers, where all dirt is easily emptied out through the large door which opens the entire upper part of the container.

The powerful 2-broom front has a working width from 105 to 185 cm. and is built with a 65 cm. wide suction head with hydraulically operated flap for large dirt, and can optionally be equipped with a camera mounted at the suction head, so that the driver can easily follow the work process.

**" Up to 70% less clogging of the suction hose "**

With a 25% stronger suction power, as well as an optimized hose routing of the large suction hose under the cabin, which runs in a very straight course without bends, you experience up to 70% fewer blockages. As additional protection against clogging of the suction hose and as effective dust suppression, the system is equipped with a recirculation water system which continuously cleans the suction hose with recycled water which is recirculated through a filter in the dirt container.

Although the suction power and efficiency of the new Vitra sweeper is improved, we have succeeded in developing a system that saves energy and thus consumption has been reduced by approx. 25% compared to the old unit.

The new system is available with a list of different options, including poly, steel or mix brushes and high-pressure cleaner with 10m hose reel and hand lance.



Of course, the new series of Sweeping-Suction systems also meet all applicable requirements for EUUnited PM2.5/10 certification.



With the external suction hose, there is the possibility of efficient cleaning where it is not possible to drive the machine



The container is emptied from the cabin and with a unload height of 175 cm. emptying can take place directly in a container or trailer

## VITRA C2 SWEEPING SUCTION UNIT

Length:	3900 mm.
Working width:	1050-1850 mm.
Container volume: (Gross/net)	750/650 l. (EN15.429-2)
Suction head width:	650 mm.
Suction hose diameter:	160 mm.
Brush diameter:	650 mm.
Fresh water:	140 l.
Recirculation water:	80 l.



# "GRAY" CLEANING

In addition to Vitra's well-known sweeping suction systems, there is also a wide range of attachments for external cleaning for the C-series, which span, among other things Vitra's self-developed center driven and center swinging broom, leaf vacuum front and a wide range of environmentally friendly and effective weed control tools, with either hot air, hot water or a mechanical weed brush



*The center-driven sweeping broom is designed to fit the Vitra's power and maneuverability as best as possible*



*The wide selection of attachments also includes a washing system with a flush boom and the option of a high-pressure cleaner*



*The powerful weed brush easily removes even the most stubborn weeds*

*If the weed brush is combined with the sweeping suction system, effective weed control and collection is achieved in one operation*



VITRA C3 SWEEPING SUCTION UNIT	
Length:	4550 mm.
Working width:	1200-2250 mm.
Container volume: (Gross/net)	1.500/1.050 l. (EN15.429-2)
Suction head width:	650 mm.
Suction hose diameter:	180 mm.
Brush diameter:	850 mm.
Fresh water:	140 l.
Recirculation water:	90 l.

## C3 SWEEPING SUCTION UNIT

### THE PROFESSIONAL SOLUTION FOR LARGER AREAS

The sweeping suction unit for the C3 series is built for everyday tough cleaning tasks and is a professional solution for Squares, bike paths, car parks and other large areas. The heart of the system is the large 1,500/1,050 l. (gross/net En15,429-2) dirt container constructed in seawater-resistant aluminium, which in addition to being very corrosion-resistant also has a low weight, that contributes to a high load capacity of 1,300 kg. The container is constructed with a high tip, with unloading at a height of 1.85 m, which makes it easy to empty directly into even high containers.

The powerful turbine ensures superior suction power and the 180 mm. large suction hose is mounted in a straight course, without bends, which contributes to up to 70% less blockages with twigs and the like. An efficient and hygienic solution for the operator, that saves time for extra work. The sweeping suction system is also equipped with a recirculation system which continuously cleans the suction hose with recycled water which is recirculated through a filter in the dirt container. This provides additional protection against clogging of the suction hose and ensures effective dust suppression.

The heavy duty 2-broom front part, which has a working width of 1.20 to 2.25 m., is equipped with a 65 cm wide suction head with 4 wheels and a hydraulically operated flap for large debris, which is easily operated from the cabin, optionally with monitoring from a camera mounted at the suction head, so that the driver can easily follow the work process.

# GREEN CARE THAT EXCITES

## GREEN CARE

The grass grows and must be mowed continuously. For Vitra, you can get more than 15 different mower solutions, so there is always a solution that matches your needs.

With area capacity from 10,000 and all the way up to 25,000 m<sup>2</sup>/hour, e.g. an entire football field can be completed in approx. 15 min.

In practice, this means that residents close to areas that are being mowed avoid interference from machines that run for several hours a week.

Another advantage is that the same machine can mow all grass, incl. edges, discounts and the like. Lawn mowing with a machine is also a great benefit for the environment, as the energy consumption is approx. 40% lower for systematic mowing compared to random mowing.

***" With area capacity of up to 25,000 m<sup>2</sup> per hour a football field is cleared of approx. 15 minutes "***

With a mower solution for Vitra, significant synergy is achieved when the machine can be used all year round for various tasks.



## GRASS COLLECTION

For the Vitra C3.55 and C3.75 we offer an efficient Mowing and collection system.

A powerfully built, hydraulically driven rotary mower with three powerful blades. Adjustable cutting height of 30 - 100 mm is connected to the 1,200 l collection container via a 180 mm suction hose. The powerful suction turbine on the collection container ensures optimal collection under all conditions.

The container is constructed with a high tip, with unloading at a height of 190 cm and with a powerful, hydraulically driven turbine that effectively shreds the collected material and blows it into the container.

The system can be easily dismantled using the associated parking supports, which are also used for storage.



# WINTER SERVICE THAT EXCITES



## SNOW AND ICE

With the Vitra C-series' large power reserves, high driving speed and outstanding stability, the machines are excellent for winter service. With a snow sweeper, dozer blade or V-plow, you easily and efficiently remove snow and ice.

An increasingly common option is to "clear black", which means that sidewalks, paths and similar areas are cleared completely free of snow and ice. This makes future snow removal much easier but also saves significantly on sand and salt - This is done with a Vitra snow sweeper. The Vitra Snow sweeper clears in full width, thanks to center drive and center swing and can be delivered down to 1100 mm. working width, which makes it easier to get to narrow spaces.



# SAND AND SALT SPREADER

A drop spreader is used for sidewalks and paths, where it spreads material across the width of the machine. Drop spreaders are available with manual volume control, but can be upgraded with remote volume control, so the driver can set the desired quantity from the cabin. In addition, start / stop automatic can be selected, so that the spreader stops when the machine stops, eg at traffic lights. Finally, driving automation is also offered, thus ensuring a given spread rate regardless of driving speed.

A plate spreader is often used for larger areas such as parking spaces, where they are distinguished by having a working width of up to 6 meters. A plate spreader is available with the same control options as a drop spreader, just as it is possible to adjust the spreading width

With a combi spreader, you can easily choose between drop or plate spreader function directly from the cabin - thus achieving the greatest possible flexibility and the ability to adapt the spreader to any area and achieve the best possible result.



*Most spreaders can be combined with the original Vitra truck bed, which allows you to increase the amount of spread material to reduce stops for filling and facilitate filling.*

There are many different materials for use in the winter service. The most commonly used spreading material is sand and salt.

Sand is gentle on the environment and also works at very low temperatures. Salt to some extent removes snow and ice and is dissolved by wind and weather.

*Salt comes in many different forms. Be aware that certain types of salt are less suitable for spreading.*



# SUSTAINABILITY

Vitra is built to last for many years. Most of the tool carriers from Vitra are still in operation 15 years after they left the factory

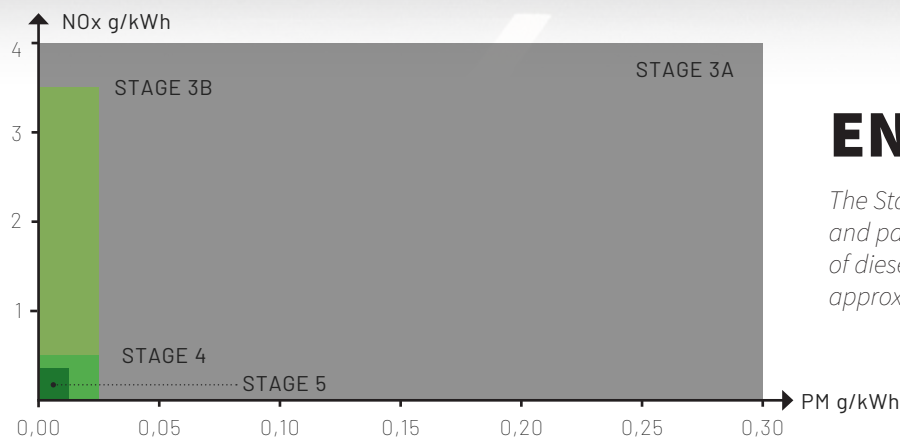
The long life combined with long service intervals not only provides good overall economy, but also a very sustainable machine which, right from production and the rest of its life, has the least possible impact on the environment.

More than 92% of the materials in a Vitra can be recycled.



# 92%

## RECYCLABLE



## ENVIRONMENT

The Stage-V (Stage 5) engines ensure up to 95% less NOX and particulate emissions compared to previous generations of diesel engines. Likewise, CO emissions are reduced by approx. 35% compared to gasoline engines

## STAGE-V ENGINES IN ALL MODELS

UP TO 95% REDUCTION IN NOX AND PARTICLES

All three Vitra models in the new C-Series are built with engines with the latest Stage-V pollution approvals. The engines not only ensure up to 30% more power and torque, but also live up to the latest environmental requirements and therefore up to 95% reduction in NOX and particulate emissions is achieved, just as CO<sup>2</sup> is reduced by approx. 35% compared to gasoline engines.

It contributes to a good environment, without compromising on performance!

# TECHNICAL DATA

MODEL	VITRA C2.25	VITRA C2.35	VITRA C3.55	VITRA C3.75
Engine:	Yanmar	Kubota	Caterpillar	Caterpillar
Effect:	18,5 KW / 25 HP - 68 Nm	25 KW / 33 HP - 69 Nm	36 KW / 50 HP - 166 Nm	55 KW / 75 HP - 270 Nm
Speed:	0 - 27 km/h	0 - 30 km/t	0 - 30 km/h	0 - 40 km/h
Transmission:	Danfoss Hydrostatic pump	Danfoss Hydrostatic pump	Danfoss Hydrostatic pump	Danfoss Hydrostatic pump
Four-wheel drive / Differential lock:	Permanent / Automatic	Permanent / Automatic	Permanent / Automatic	Permanent / Automatic
Front lift (Lifting capacity):	Cat. 0 (600 kg)	Cat. 0 (600 kg)	Cat. 1N (1000 kg)	Cat. 1N (1000 kg)
Noise level in cabin:	< 73 db(A)	< 81 db(A)	< 73 db(A)	< 73 db(A)

## HYDRAULIC

PTO:	47 l. / 200 bar	50 l. / 200 bar	-	-
Small-PTO:	15 l. / 160 bar	15 l. / 160 bar	-	-
Proportional PTO: (Front / Rear)	-	-	0-70 l. / 250 bar	0-80 l. / 250 bar

## ELECTRICAL SYSTEM

Battery / Alternator:	12V - 47 AH / 55A	12V - 47 AH / 55A	12V - 60 AH / 85A	12V - 60 AH / 85A
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## DIMENSIONS

Length:	3099 mm.	3099 mm.	3416 mm.	3416 mm.
Wide:	1068 - 1100 mm.	1068 - 1100 mm.	1115 - 1320 mm.	1115 - 1320 mm.
Height:	1971 - 1990 mm.	1971 - 1990 mm.	1990 - 2000 mm.	1990 - 2000 mm.

## WEIGHT

Netto / Ready weight:	1160 / 1270 Kg.	1130 / 1250 Kg.	1620 / 1740 Kg.	1710 / 1830 Kg.
Trailer Braked / not braked:	1750 / 750 Kg.	1750 / 750 Kg.	3500 / 750 Kg.	3500 / 750 Kg.
Total weight:	2500 Kg.	2500 Kg.	3500 Kg.	3500 Kg.
Load capacity:	1230 Kg.	1250 Kg.	1760 Kg.	1670 Kg.

*With Vitra, there is always a dealer near you who is ready to help*



## SERVICE THAT EXCITES

We work from the principle that there should be as short a path as possible from the factory to the end users.

Our warehouse is ready to serve our dealers directly or online via the Vitra sparepart shop which never close.

It is important that your Vitra is serviced correctly and the authorized Vitra dealers are always ready to assist and ensure that the machine will continue to work efficiently.

All Vitra comes with a 24-month warranty, with the option to extend this up to 60 months.

# VITRA

## DEALERS WHO EXCITE

Vitra is represented through a competent dealer network, which is always ready with professional competence, qualified advice and quick assistance.

The authorized Vitra dealers are continuously improving their skills through various courses and have direct contact with relevant information for use in quick task solving.

The dealer network is in close contact with our technical department, which is ready with advice and guidance in any situation.

*Manufacturer:*

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Your local VITRA dealer: