

# VENIETI

L O A D E R S



9-63R (10-63)



®

# AWARE TO BE DIFFERENT.

- Expect more than you could imagine! The new VF Venieri range faces the market with new models and its ever green reliability. Perfect balancing and top performances, Venieri wheel loaders are thoroughbred horses designed by professionals for professionals of earth moving sector.
- The brand new machines – both parallel and “Z” linkage – represent a significant improvement compared to the already existing high quality standards of a top performed range, thanks to the evolution of projects widely tested and suitable to the new market requirements.
- New Perkins engines meeting the Tier3 specifications, new design for cabins, new front lifting kinematics, high bucket capacity: the new range owns the right skills to draw your attention, running easily all kinds of ground and facing all kinds of work with perfect efficiency and precision: building, roads and piping, earth moving, green areas, etc.
- In the worst conditions Venieri technology makes the difference: steep slopes, rough terrains, unfavourable external temperatures, constant and violent impacts. VF 9.63B and 10.63 own agility and breakaway, excellent breakout force and traction effort, assuring productivity and safety without penalising consumptions.
- In the “Motor Valley” – where fabulous cars and top performing motorbikes rise – Venieri developed ability and know how for a wheel loaders and backhoe loaders range without comparisons. Machines able to give invincible performances, without stress for the operator, assured safety and respect for the environment. All Venieri customers are aware about that and they would never change their choice.



PARALLEL OR “Z” LINKAGE

NEW PERKINS ENGINES  
4 CYLINDERS TURBO INTERCOOLER

BOSCH REXROTH  
HYDROSTATIC TRANSMISSION

MULTIPURPOSE JOYSTICK

COMFORTABLE AND ERGONOMIC  
DRIVER SEAT

TOP PERFORMING TIER3

RESPECT FOR THE ENVIRONMENT  
AND LOW CONSUMPTION

**9.63B**

Z-linkage  
Max power 118 HP  
Bucket capacity 1,7 - 2,5 m<sup>3</sup>  
Max operative weight 9.500 kg

**10.63**

Parallel linkage  
Max power 118 HP  
Bucket capacity 1,7 - 2,5 m<sup>3</sup>  
Max operative weight 10.000 kg





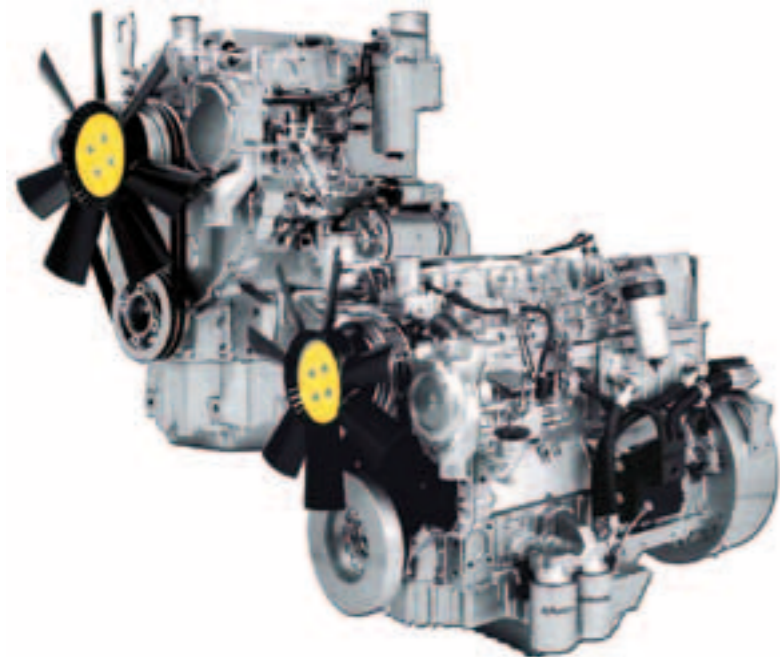
**SUCCESS  
DEPENDS ON  
PERFORMANCES**  
 БЕУЛОКНАИСЕ?  
 ДЕБЕНД? ОИ  
 2000Е??

## PERFECT WEIGHT BALANCING BASED ON A GREAT STABILITY

The key words are “**stability**” and “**traction**”. The machine unloaded weight is distributed for a 40% on the rigid front axle and for a 60% on the oscillating rear one.

With the machine fully loaded, the weight distribution is inverted in order to achieve the **best possible balancing** and assures – together with the two proportional self-lock differentials – a grip without comparison in any situation.

The compact engine, placed in the middle of the chassis, lowers the load centre and reduces the machine dimension.



## NEW GENERATION PERKINS ENGINES 1104D

The range is equipped with the **new Perkins engines** 4 cylinder direct injection, turbo wastegate and water cooling: a singular pearl as for power and reliability with no equals on the market.

In line with **Tier3** specifications, these engines are capable to develop a **traction effort** among the most powerful.

Power, torque and reduced noise are winning features: with the maximum torque at 1.400 r.p.m. and 95% of the maximum power at 1.800 tours/min, the transmission can provide the **highest engine efficiency**, in the safest conditions, **without reaching the maximum r.p.m.**

**Perkins 1104-D** is a hybrid engine, also supplied by kerosene\*, plane fuel and 20% bio diesel.

\*see Perkins list indicating all the available types of kerosene

## TESTED TRANSMISSION, UP TO 25% FUEL CONSUMPTION REDUCTION, LESS TYRES AND BRAKES WEAR

The range has a **hydrostatic transmission Bosch Rexroth** – made according Venieri requirements – representing the last evolution of a project born in 1968, when the company of Lugo was the first in the world to choose this solution for the earth moving machines. Nowadays this system continues to be efficient, moreover it has been improving performances since its origins.

It is very easy to discharge the engine power on the 4 wheel steering. Moreover, **the integration between engine and hydrostatic transmission can reduce fuel consumption up to a 25%** (according to its use): a quarter more of saved fuel than the traditional wheel loaders.

Hydraulic transmission promptly and precisely manages changes of direction, makes possible micrometric distances and adjusts speed selection as the occasion requires. The traction effort and the speed of the machine take step by step – automatically and in the real time – the optimal configuration; **the wheel slipping is minimum as well as the tyres wear.**

## ADAPTABLE TO A WIDE RANGE OF EQUIPMENTS

Together with **the quick coupler Venieri**, both linkage (**parallel** for the industrial works, “**Z**” for the earth moving sector) allow a **consistent productive flexibility**. Due to a deep-rooted know how, Venieri is able to provide **different solutions and personal contribution** responding to all kind of work.

Quick and efficient operations for the **highest productivity**.

**MAXIMUM  
RELIABILITY** ●  
**GREAT  
FLEXIBILITY** ●  
**LOW  
MAINTENANCE  
COSTS** ●



## THE BEST, SIMPLY.

Venieri converts three precise project choices into a competitive advantage: the solidity of the **new Perkins engines, a hydraulic system improved in technology and the hydrostatic transmission.** In addition, last but not least, a chassis providing the best performances, holding the strongest impact and assuring the lowest load centre.

No use of electronic components, in order to achieve the maximum **reliability**: Venieri wheel loaders can work without distinction in a  $-25^{\circ}$  environment or in a  $+50^{\circ}$  and over ( imagine their performance in standard conditions! ). Anywhere you have a breakdown – from Arabic Peninsula to Siberia – a good mechanic and a basic equipment is enough to start again the machine.

The choice to do not use electronic components conditions avoids the risk the machine would stop for long periods: the lack of microchips does not involve temperature ranges and violent impacts, and does not require specialised service.

Venieri wheel loaders, instead, need a **simple and cheap maintenance, and spare parts are easily available.** All the components and tool kit are subjected to **detailed quality supervisions**: all spare parts have a long lasting manufacture, but can be easily replaced in case of need.

The **hydraulic system** is equipped with two independent gear pumps: the first one for the front circuit with “unloading” valve and the second one with priority valve for the steering circuit, reaching an excellent turning radius ( $80^{\circ}$ ). Even though the self braking transmission gives to the service brake a supporting role, VF wheel loaders are equipped with efficient **multidisc oil brake acting on the 4 wheels.** If constantly stressed, they will last for ever.

Parts subjected to both ordinary and exceptional maintenance are very easy to get and in the safest conditions to operate without troubles.

The engine ultramodern assembly lines of **Perkins** together with the strict supervisions on the productive process guarantee the highest standard of quality: no comparison with the old two valve.



## THE QUALITY OF RELIABILITY

RELIABILITY  
OF  
THE COMPANY

IMPROVED  
HYDRAULICS

MINIMUM  
BRAKE WEAR  
AND MECHANICAL  
PARTS

EASY  
MAINTENANCE

PERKINS  
WORLDWIDE  
CUSTOMER CARE





## WIDE SPACE AND VISIBILITY INSIDE THE CABIN

Let's go on board the cabin to realize **comfort and wide working space**, with all the controls easily reachable and correctly placed, **excellent visibility** to any direction – above all to the bucket – and **very good soundproofing**.



## IMPROVED AND ERGONOMIC CABIN DESIGN

The driving seat and the steering-column are **adjustable**, allowing to the operator to find the best position and to keep it for a long time. The **big windows** increase the perception of the inside space. The **dashboard instrument is simple to use and functional**. The analogical indicators provide all the parameters and the machine status, which can be driven easily. **Low noise and limited vibration** thanks to the **continuously variable transmission** without stopping the traction effort. Moreover, **standard air conditioning, radio player and bluetooth**: such working environment allows the operator to work all day long in no stress condition.

## CONTINUOUSLY VARIABLE TRANSMISSION RELATED TO TRAVEL RIDE CONTROL

( O P T I O N A L )

Undetectable gear shifts, **continuous traction effort**: the continuously variable transmission increase the driving comfort, reducing the impacts on chassis and inside the cabin. The travel ride control allows the lifting arms oscillation during transport, further improves the load retention and comfort, in order to achieve the highest productivity.

## MULTIFUNCTIONAL JOYSTICK

The **multifunctional joystick** allows to **control all the principal functions**. The left hand moves the steering while the right one lifts/brings down the bucket, fills and empties, brings it to the automatic position, activates the transmission selecting the gear and starts up the supplementary equipments.



AUTOMOTIVE  
INSPIRED  
COMFORT  
COMFORT  
INSPIRED  
COMFORT

# 9-63B

## WHEEL LOADER ▶ Z-LINKAGE



### ▶ DIESEL ENGINE

Engine: 4 cylinder, intercooler turbo-charged, direct injection, water cooling, paper dry filter and cyclone prefilter  
Emissioned according to CEE 97/68 – stage IIIA.

Type .....	Perkins 1104D-44TA
Max power .....	87kW - 118 HP
Rated rpm.....	2200
Net power ISO/TR 14396 .....	83 kW - 113 HP
Net power EEC/80/1269 .....	83 kW - 113 HP
Displacement .....	cm <sup>3</sup> 4.400
Bore .....	mm 105
Stroke .....	mm 127

### ▶ ELECTRIC SYSTEM

Battery .....	12 Volt
Capacity .....	110 Ah - 1100 A
Alternator rating.....	65 A
Reverse warning .....	Standard
Wiring according to .....	IP 67 - DIN 40050

### ▶ TRANSMISSION

Hydrostatic transmission with automatic power regulation and closed circuit with variable displacement pump and motor.  
Four forward/reverse speeds (two “automatic” selections) with a single electric gear selector.

	<i>forward</i>	<i>reverse</i>
1 <sup>st</sup> speed km/h	0÷6	0÷6
2 <sup>nd</sup> speed km/h	0÷10	0÷10 (automatic selection)
3 <sup>rd</sup> speed km/h	0÷14	0÷14
4 <sup>th</sup> speed km/h	0÷34	0÷34 (automatic selection)

### ▶ AXLES

Heavy Duty axles with planetary final driver on each wheel and proportional self locking differentials  
Rigid front axle  
Oscillating rear axle up to a total angle of 25°.  
Transfer gearbox transferring movement directly to the rear and to the front axle via transmission shafts.  
Standard self locking differential on front axle, optional on rear.

### ▶ BRAKES

Service: hydraulic multidisc oil brake on front axle working on all the wheels. Parking brake: operating on the rear axle, manually actuated.

### ▶ TYRES

Standard.....	17.5 - 25 16 pr
Optional.....	17.5 R 25   480/70 R 24

### ▶ STEERING

Servo-assisted steering LOAD SENSING system.

Steering angle .....	80°
Inner tyres turning radius.....	mm 2.800
External tyres turning radius .....	mm 5.050
External bucket turning radius .....	mm 5.575

### ▶ HYDRAULIC SYSTEM

Made of two gear pumps, the first for the loader circuit with “unloading” valve, the second with priority valve for the steering circuit.

Modular two-element control valve with main relief valve..

Double acting hydraulic cylinders.

Hydraulic oil filter on the leakage pipe.

Single servo-lever arm control with 4 position lifting system and with 3 position bucket system.

Max flow .....	lt/1'	119
Loader relief valve pressure.....	bar	230
Steering relief valve pressure.....	bar	175
Lift cylinder.....	mm	100x660
Bucket cylinder .....	mm	120x420
Cycle time.....	sec	7,8

### ▶ SERVICES CAPACITIES

Engine .....	kg	9
Gearbox .....	kg	1,5
Differential.....	kg	3,5
Planetary final drive .....	kg	2
Hydraulic circuit .....	kg	100
Brake system .....	kg	0,5
Fuel.....	lt	150
Water cooling .....	lt	20

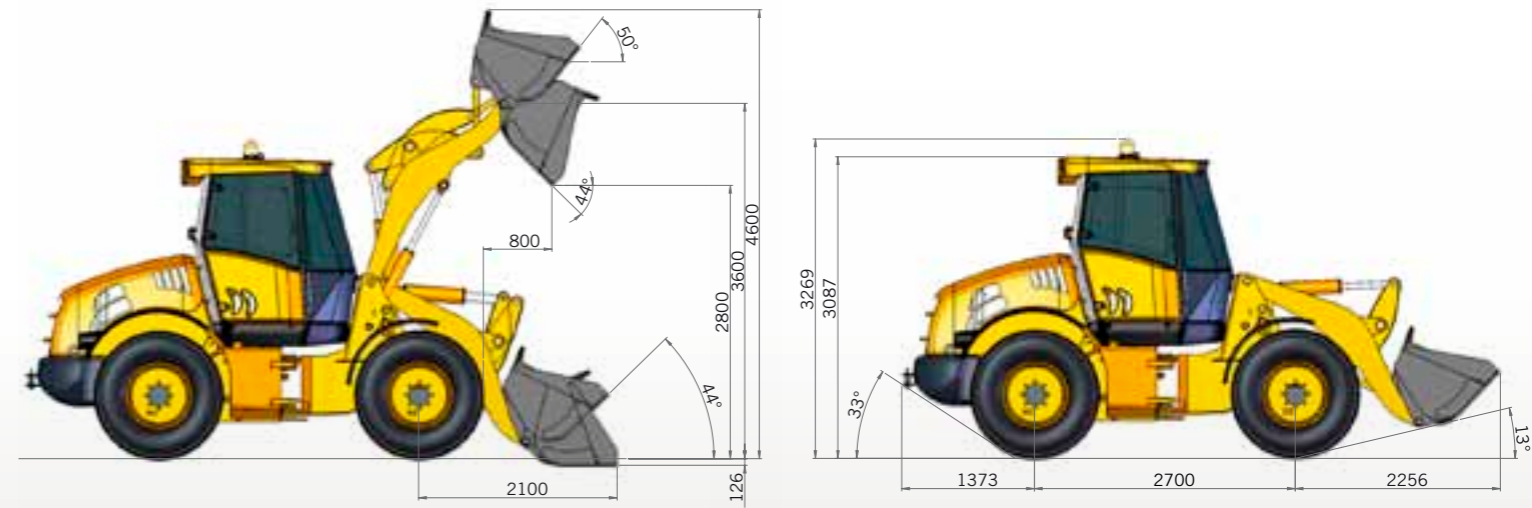
### ▶ TECHNICAL FEATURES

Standard bucket capacity .....	m <sup>3</sup>	1,7
Bucket width .....	mm	2.350
Straight static tipping load.....	kg	6.200
Full turned 40° tipping load.....	kg	5.500
Lifting capacity at max. height.....	kg	4.100
Dump clearance .....	mm	3.600
Dump height at 44° .....	mm	2.800
Reach at 44°.....	mm	800
Breakout force.....	kg	8.400

### ▶ DIMENSIONS AND WEIGHT

Max lenght in transfer position .....	mm	6.400
Max width in transfer position .....	mm	2.350
Height .....	mm	3.087
Track width.....	mm	1.760
Overall tyre width.....	mm	2.200
Wheel base .....	mm	2.700
Ground clearance .....	mm	400
Standard operating weight .....	kg	9.000
Max operating weight .....	kg	9.500

The illustrations on the present folder do not necessarily show the product standard version. Data and dimensions described in this folder are not binding. Venieri reserves the right of carrying out possible changes at any time and without previous notice because of its policy of steady development and improvement of the products.



### ▶ DIMENSIONS

Height cabin ROPS	mm 3087	Total bucket width	mm 2200
Wheel base	mm 2700	Track width	mm 1760
Ground clearance	mm 400	External turning radius	mm 5050
Loading ramp angle	33°	Rear axle oscillation	10°+10°

### ▶ PERFORMANCE DATA

		STANDARD	ROCK	OVERSIZE	EXTRA OVERSIZE
Full load bucket capacity	m <sup>3</sup>	1,7	1,5	2,2	2,5
Bucket width	mm	2350	2350	2500	2500
Bucket weight	kg	650	600	750	850
Max operative height	mm	4600	4550	4675	4750
Bucket pin height	mm	3600	3600	3600	3600
Dump clearance	mm	44°	44°	44°	44°
Dump height	mm	2800	2833	2733	2700
Dump distance	mm	800	763	874	912
Max dump distance	mm	1750	1713	1824	1862
Straight tipping load	kg	6200	6500	6000	5800
Full turned tipping load	kg	5500	5700	5300	5100
Breakout force	kg	8400	8925	7600	7255
Total length	mm	6400	6350	6475	6550
External bucket turning radius	mm	5575	5558	5700	5743
Total weight	kg	9000	8950	9100	9200

### ▶ LOADING FORK (Kg) - CENTRE OF GRAVITY 500 mm

Static tipping load, full turn	4600	Payload EN 474-3 (60%)	2600
Payload EN 474-3 (80%)	3700	Payload DIN 24094 (50%)	2300



L O A D E R S  
**Venieri**

# 10-63

## WHEEL LOADER ▶ PARALLEL LINKAGE



### ▶ DIESEL ENGINE

Engine: 4 cylinder, intercooler turbo-charged, direct injection, water cooling, paper dry filter and cyclone prefilter  
Emissioned according to CEE 97/68 – stage IIIA.

Type .....	Perkins 1104D-44TA
Max power .....	87kW - 118 HP
Rated rpm.....	2200
Net power ISO/TR 14396 .....	83 kW - 113 HP
Net power EEC/80/1269 .....	83 kW - 113 HP
Displacement .....	cm <sup>3</sup> 4.400
Bore .....	mm 105
Stroke .....	mm 127

### ▶ ELECTRIC SYSTEM

Battery .....	12 Volt
Capacity .....	110 Ah - 1100 A
Alternator rating.....	65 A
Reverse warning .....	Standard
Wiring according to .....	IP 67 - DIN 40050

### ▶ TRANSMISSION

Hydrostatic transmission with automatic power regulation and closed circuit with variable displacement pump and motor.  
Four forward/reverse speeds (two “automatic” selections) with a single electric gear selector.

	<i>forward</i>	<i>reverse</i>
1 <sup>st</sup> speed km/h	0÷6	0÷6
2 <sup>nd</sup> speed km/h	0÷10	0÷10 (automatic selection)
3 <sup>rd</sup> speed km/h	0÷14	0÷14
4 <sup>th</sup> speed km/h	0÷34	0÷34 (automatic selection)

### ▶ AXLES

Heavy Duty axles with planetary final driver on each wheel and proportional self locking differentials  
Rigid front axle  
Oscillating rear axle up to a total angle of 25°.  
Transfer gearbox transferring movement directly to the rear and to the front axle via transmission shafts.  
Standard self locking differential on front axle, optional on rear.

### ▶ BRAKES

Service: hydraulic multidisc oil brake on front axle working on all the wheels. Parking brake: operating on the rear axle, manually actuated.

### ▶ TYRES

Standard.....	17.5 - 25 16 pr
Optional.....	17.5 R 25   480/70 R 24

### ▶ STEERING

Servo-assisted steering LOAD SENSING system.	
Steering angle .....	80°
Inner tyres turning radius.....	mm 2.800
External tyres turning radius .....	mm 5.050
External bucket turning radius .....	mm 5.650

### ▶ HYDRAULIC SYSTEM

Made of two gear pumps, the first for the loader circuit with “unloading” valve, the second with priority valve for the steering circuit.

Modular two-element control valve with main relief valve..  
Double acting hydraulic cylinders.  
Hydraulic oil filter on the leakage pipe.  
Single servo-lever arm control with 4 position lifting system and with 3 position bucket system.

Max flow .....	lt/1'	149
Loader relief valve pressure .....	bar	230
Steering relief valve pressure.....	bar	175
Lift cylinder.....	mm	105x770
Bucket cylinder .....	mm	80x680
Cycle time.....	sek	9,0

### ▶ SERVICES CAPACITIES

Engine .....	kg	9
Gearbox .....	kg	1,5
Differential .....	kg	3,5
Planetary final drive .....	kg	2
Hydraulic circuit .....	kg	115
Brake system .....	kg	0,5
Fuel .....	lt	150
Water cooling .....	lt	20

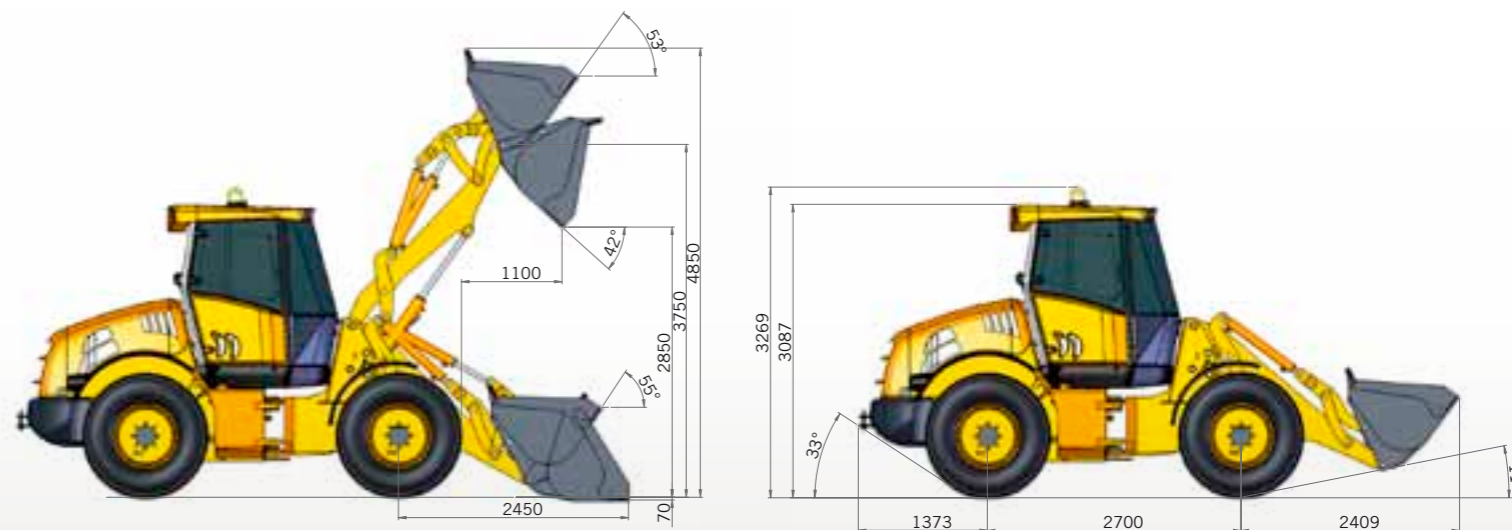
### ▶ TECHNICAL FEATURES

Standard bucket capacity .....	m <sup>3</sup>	1,7
Bucket width .....	mm	2.350
Straight static tipping load.....	kg	5.800
Full turned 40° tipping load.....	kg	5.200
Lifting capacity at max. height.....	kg	5.500
Dump clearance .....	mm	3.750
Dump height at 42° .....	mm	2.850
Reach at 42° .....	mm	1.100
Breakout force.....	kg	8.000

### ▶ DIMENSIONS AND WEIGHT

Max lenght in transfer position .....	mm	6.500
Max width in transfer position .....	mm	2.350
Height .....	mm	3.087
Track width .....	mm	1.760
Overall tyre width.....	mm	2.200
Wheel base .....	mm	2.700
Ground clearance .....	mm	400
Standard operating weight .....	kg	9.500
Max operating weight .....	kg	10.000

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### ▶ DIMENSIONS

Height cabin ROPS	mm 3087	Total bucket width	mm 2200
Wheel base	mm 2700	Track width	mm 1760
Ground clearance	mm 400	External turning radius	mm 5050
Loading ramp angle	33°	Rear axle oscillation	10°+10°

### ▶ PERFORMANCE DATA

		STANDARD	ROCK	OVERSIZE	EXTRA OVERSIZE
Full load bucket capacity	m <sup>3</sup>	1,7	1,5	2,2	2,5
Bucket width	mm	2350	2350	2500	2500
Bucket weight	kg	650	600	750	850
Max operative height	mm	4850	4800	4975	5000
Bucket pin height	mm	3750	3750	3750	3750
Dump clearance	mm	42°	42°	42°	42°
Dump height	mm	2850	2957	2857	2823
Dump distance	mm	1100	981	1093	1130
Max dump distance	mm	2025	1906	2018	2055
Straight tipping load	kg	5800	6000	5600	5400
Full turned tipping load	kg	5200	5300	4900	4700
Breakout force	kg	8000	8925	8076	7709
Total length	mm	6500	6450	6575	6650
External bucket turning radius	mm	5650	5597	5726	5735
Total weight	kg	9500	9450	9600	9700

### ▶ LOADING FORK (Kg) - CENTRE OF GRAVITY 500 mm

Static tipping load, full turn	4200	Payload EN 474-3 (60%)	2500
Payload EN 474-3 (80%)	3400	Payload DIN 24094 (50%)	2100



L O A D E R S  
**Venieri**



## STANDARD EQUIPMENT

- Acoustic warnings
- Plugs with keys for fuel and hydraulic tanks
- Bucket with bolted teeth
- ROPS-FOPS- cab with heater, pressurizer circulating fan, with front and rear windscreen wiper and windshield washer
- Tool box
- Spare parts catalogue
- Seat belt
- Limited slip differential on front axle
- Safety clamp for lifting cylinders
- Visual index for bucket position
- Working lights
- Draw bar hook
- Soundproofing
- Yellow rotating and overturning beacon
- Operation and maintenance manual
- Type-approval for road traffic
- Side rearview mirrors
- Complete instrument board

## OPTIONAL EQUIPMENT

- Hydraulic or mechanical quick coupler
- Negative hydraulic parking brake
- Cement mixing bucket
- Multipurpose bucket (4 in 1)
- Speed reduction kit
- Lifting forks
- Proportional self lock rear differential
- Asphalt and cement planer
- Snow blower
- "V" type snow blade
- Angle-tilt dozer blade
- Hand operating hammer
- Polishing brush
- Trencher wheel

[www.vf-venieri.com](http://www.vf-venieri.com)



**VENIERI** S P A

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