

THE CABIN. EVERYTHING UNDER CONTROL

- › **Low access platform** and wide door, **to facilitate boarding**
- › Mobile **rear glass with gas cylinders**, not exceeding the profile of the machine when open
- › Complete front windscreen and wide side and back windows for **maximum visibility**
- › Very **practical interior** and **ample lateral space** for the **rotation of the driving seat**
- › **Ergonomically studied** lay-out of all control units

BLOWER SIDE RADIATOR

The consequence of the **transversal engine** on **Venieri** articulated backhoe/loaders is to have the radiator placed in lateral position. So the radiator can treat mostly **non-dusted air** and this increases the **efficiency of the cooling**.

This solution **avoids also clogging, damage from hitting trucks and various objects, hot air being blown into the cab** and allows complete and **total visibility of the bucket** and any other accessory adding **comfort** and, above all, **safety** of the operator.

Finally, the transversal engine placed in central position always allows to limit the length of the front frame, getting available a **greater distance of unloading**.

PERKINS® EMISSIONED DIESEL ENGINE

The **Venieri** backhoe loaders are equipped with a worldwide tested engine manufactured by **Perkins**, the most known diesel engine constructor. **Thousands of testing hours** under all climatic condition guarantee a product capable to grant performances, reliability and energy saving day by day. Made according to **Venieri** specific requirements, these 4 cylinder engines are all turbocharged with wastegate valve, **emissioned according to the CEE Directive** and their exceptional skills of power and couple allow **high efficiency smooth and gradual operation**.

CHASSIS WITH ONE CENTRAL DIRECTION

Thanks to the front axle well fixed on the chassis, to the central rigid joint and to the blocking oscillating rear axle, **VF Venieri** backhoe loaders allow:

- › Excavating with the bucket following the same direction of the tyres, **in "line" with the machine**, in order to achieve a **better workability**.
- › Reaching the **maximum stability** with full-loaded bucket, **to the maximum high, on rough terrains and in slope**.
- › Levelling easily **also in reverse gear**
- › Maintaining the machine completely **rigid** while using the retroexcavator.

"Z" BAR LINKAGE VENIERI VERSION

- › **Greater breakout force** and improved reactivity;
- › Self-levelling function or planning system of the bucket, brings the unloaded bucket to the horizontal position starting from the maximum height, only with the lowering bucket movement.

BACKHOE QUICK DISENGAGEMENT

In Venieri's backhoes the quick disengagement allows the full and complete detachment of the rear excavator. The system is composed by a double inter connection plate, removable, located between the fixed guides where the backhoe side shifts. In this way the arm can be disassembled and placed on the ground with its own supports. The pipes are disconnected manually by means of the quick couplings.



FIRE FIGHTING DETACHABLE UNIT.

- › **1200 lt. tank**
- › **Fire hoses** (reel type) up to 100 mt.
- › **High pressure pump**
- › Wide range of accessories for firefighting and Civil Defence such as winch, water pump, working lights, thermal camera, etc., etc.,

STANDARD EQUIPMENT

- › Acoustic warning
- › Loader bucket with bolted teeth
- › Backhoe bucket
- › ROPS/FOPS cab with heating, pressurized recirculating fan, with front and rear windscreen wiper and windshield washer
- › Tool box
- › Spare parts catalogue
- › Safety belts
- › "Limited Slip" differential on the rear axle
- › Safety clamp for lifting cylinder
- › Safety clamp for backhoe
- › Visual index for bucket position
- › Working lights
- › Draw bar hook
- › Sound-proofing
- › Yellow rotating and overturning beacon
- › Operation and maintenance manual
- › EEC homologation
- › 3 positions adjustable seat
- › Side rear-view mirrors
- › Complete instrument board
- › Plugs with keys for fuel and hydraulic oil tanks

OPTIONAL EQUIPMENTS

- › **Backhoe**
 - › Backhoe bucket quick coupler
 - › Bucket with mechanical ejector
 - › Loading or cage clamshell bucket
 - › Orange peel buckets
 - › Ditch cleaning or digging buckets
 - › Backhoe buckets of different width
 - › Extending dipper-stick
 - › Ripping tooth
 - › Hydraulic side digging boom
 - › Hydraulic concrete hammer
 - › Disc asphalt cutter
 - › Hydraulic shredder
 - › Hydraulic drill
- › **Loader**
 - › Mechanical or hydraulic quick coupler for equipments
 - › Side dumping bucket
 - › Mixing bucket
 - › Multi-purpose bucket
 - › High dumping bucket
- › Front arm with BS83 hydraulic shredder
- › Limited Slip differential on the front axle
- › Device for decreasing the feed motion speed
- › Lifting forks
- › Asphalt and concrete cold planer
- › Snow blower
- › Air conditioning
- › Snow blade or ploughshare blade
- › Angle-tilt dozer blade
- › Hand-operated hydraulic concrete hammer
- › Log grips
- › Paper grips
- › Rotating brush or sweeper
- › Trencher
- › Hydraulic winch



Venieri
SPA
EARTHMOVING MACHINES

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6.23B
8.23E
10.23C
**ARTICULATED
BACKHOE LOADERS**



VENIERI ARTICULATED BACKHOE LOADER EXPECT THE BEST.

The equal distribution of the loading on axles and the project research to have the lowest possible barycentre, allow Venieri Backhoe Loaders a better resistance to overturning, the maximum traction and stability in every condition, offering an incomparable efficiency even in slope.



	10.23C	8.23E	6.23B
MAX. POWER	117 HP	105 HP	89 HP
BREAKOUT FORCE	9.700 kg	6.900 kg	6.200 kg
STATIC TIPPING LOAD FULL TURN	5.800 kg	4.950 kg	4.600 kg
BUCKET MIN/MAX	1.3 - 1.6 m³	1.1 - 1.4 m³	1.0 - 1.3 m³
MAX. WEIGHT IN RUNNING ORDER	9.920 kg	8.490 kg	7.900 kg
TYRES	17.5 - L 24	16/70 - 24	14.5 - 20
FORKS LOAD CAPACITY (EN 474-3)	3.700 kg	3.120 kg	2.900 kg
MAX. SPEED	38 km/h	40 km/h	30 km/h
MAX. DIGGING DEPTH, STANDARD/TELESC.	5.0-6.0 m	4.6-5.4 m	4.3-5.1 m

REXROTH® HYDROSTATIC TRANSMISSION

The **hydrostatic transmission** Rexroth together with the two 40% automatic self-locking differentials automatically adapt the **Venieri backhoe** to your needs thanks to the **constant variation** of the gear/transmission ratio together with the **anti-skid system**, a real jewel of technology which allows the engine to transmit **without interruption** all its power to the wheels, always working at the most appropriate RPM.

- › **Full power usage** even in lower speed range
- › **Maximum traction** effort even at lower diesel engine speed
- › **Load limiting control** of diesel engine
- › Optimum **power distribution** between drive and hydraulics
- › Reduced brake wear due to the hydrostatic deceleration: brake system will be used only in emergency situations
- › Change in direction of travel in movement without stopping
- › Automotive travel, max travel comfort with **automatic gears**



Perkins® Rexroth®

HYDRAULIC LOCKING OF OSCILLATING REAR AXLE ADVANTAGES:

- › Possibility of **locking** the rear axle in any position.
- › Possibility of moving loads **laterally to the machine**, while it is operating.
- › Possibility of using backhoe **without having to utilise the stabiliser** [ditch cleaning].
- › When oscillating lock is not activated the cylinder operates as a **shock absorber**, increasing machine stability.



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EARTH MOVING

Excavating, digging up, breaking, filling, levelling, etc. A Venieri machine satisfies all your working needs at 100% in every condition.

CONSTRUCTION

Material movement, trenching, excavating foundations, settling drainage beds, covering, levelling, etc. A Venieri is such flexible that any other operating machine is needed, a venieri backhoe loader is enough.

ROADS AND PIPING

In the road and highway construction sites, and inside town municipalities, venieri backhoe loader is the essential solution which meet all your needs: cleaning and removal of surfacing, distribution of stabilizers, opening and closure of piping for cables and tubes. The speed transfer, together with a particularly compact dimension and incomparable turning radius allow you to work without disturbing the traffic.

MUNICIPALITIES AND GREEN AREAS

Shredding, planting and cleaning ditches, cleaning snowing areas, sprinkling antifreeze agents, cleaning road surfaces, speed of moving together with the possibility to face all kind of public work make of Venieri backhoe loader the essential and economic solution for every municipality.