

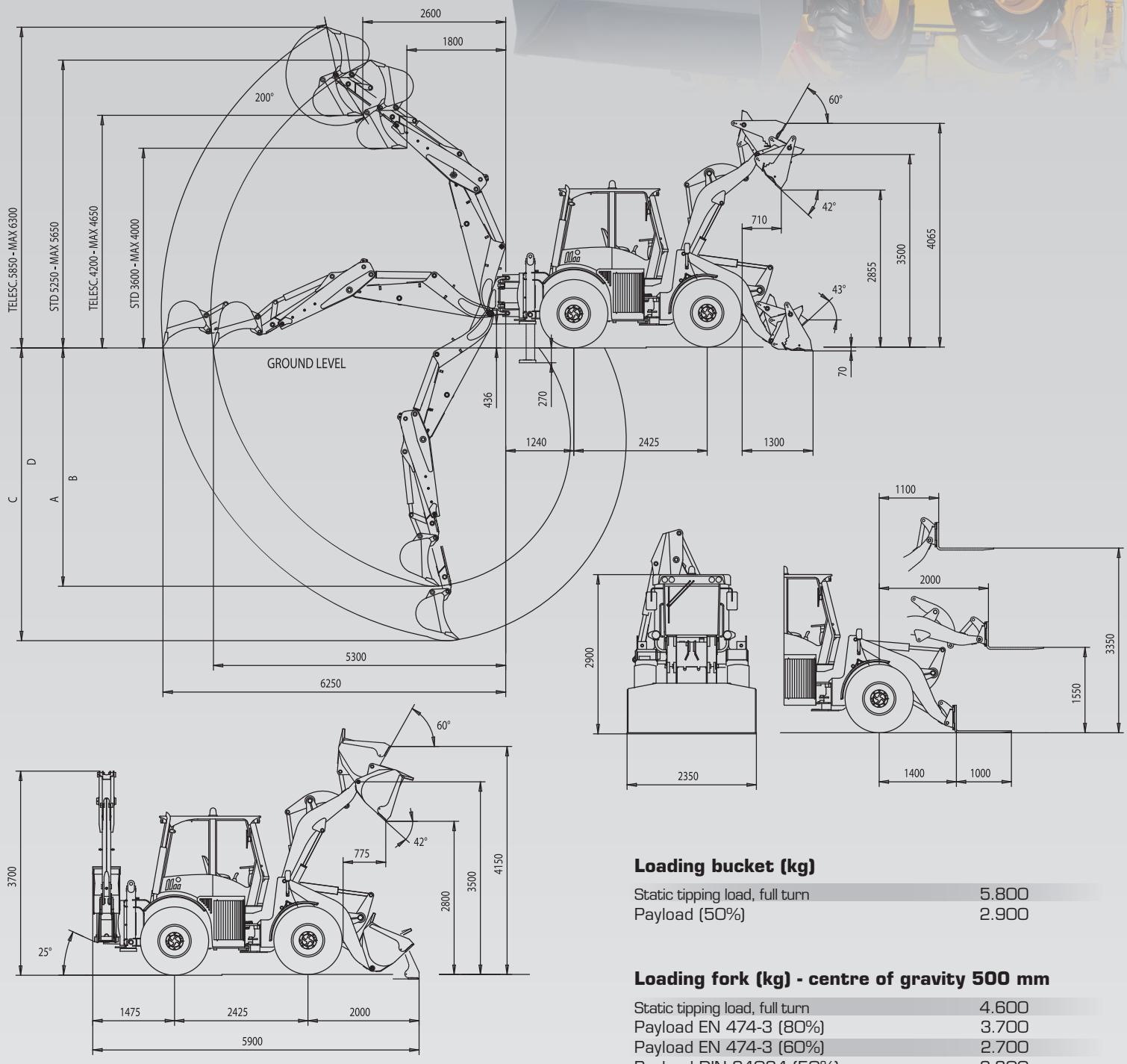


**VENIERI**  
SPA

# 10.23D

ARTICULATED  
BACKHOE LOADER

- › Max power 106 HP
- › Bucket capacity 1.3 - 1.6 m<sup>3</sup>
- › Max. digging depth 5.00 m (6.00 m)
- › Max. permissible weight 9920 kg
- › Hydrostatic transmission
- › 4 wheel drive
- › Stage IIIB / Tier 4i Engine



#### Loading bucket (kg)

Static tipping load, full turn	5.800
Payload (50%)	2.900

#### Loading fork (kg) - centre of gravity 500 mm

Static tipping load, full turn	4.600
Payload EN 474-3 (80%)	3.700
Payload EN 474-3 (60%)	2.700
Payload DIN 24094 (50%)	2.300

## DIESEL ENGINE

Engine: 4-cylinder in-line, turbocharged, charge air cooling, common Rail injection system electronically controlled, external exhaust gas recirculation, water cooled, dry filtration, oxidation catalyst (DOC) Emissioned according to CEE 97/68 Stage IIIB/Tier 4i.

Type .....	Deutz TCD 3.6 L4
Max power .....	78 kW - 106 HP
Rated rpm .....	2.300
Power ISO/TR 14396 .....	74,4 kW - 101 HP
Power EEC 80/1269 .....	74,4 kW - 101 HP
Max torque .....	410 Nm
Bore .....	mm 98
Stroke .....	mm 120
Displacement .....	cm <sup>3</sup> 3.620

## ELECTRIC SYSTEM

Battery.....	12 Volt
Capacity EN 60095-1 .....	110 Ah - 1100 A
Alternator rating.....	95 A
Reverse warning.....	Standard
Wiring according with.....	IP 67 DIN 40050

## TRANSMISSION

Hydrostatic transmission with automatic power regulation and closed circuit with variable displacement pump and motor. Gearbox with 2 mechanical selections: 2 work speeds (fwd/rev) and 2 road speeds (fwd/rev).

<b>Work speed</b>	forward	reverse
1 <sup>st</sup> gear km/h	0÷6	0÷6
2 <sup>nd</sup> gear km/h	0÷13	0÷13
<b>Road speed</b>		
1 <sup>st</sup> gear km/h	0÷18	0÷18
2 <sup>nd</sup> gear km/h	0÷40	0÷40

## AXLES

Designed for Heavy Duty.

All-wheel drive.

Planetary final drives in each wheel.

Front axle: rigid

Rear axle: oscillating up to a total angle of 20° and "Limited Slip" differential. Hydraulic locking device on the rear oscillating axle.

## BRAKE SYSTEM

Service: hydraulic multi-disk oil brakes on each wheels with two separate circuits.

Parking: band-type on the split outlet hand-operated

## TYRES

Standard .....	17.5L 24
Option .....	15.5-25 • 15R 25 • 405/70 R24 • 19.5L 24

## STEERING

Central articulated frame with servo assisted through LOAD SENSING.

Total steering angle .....	80°
Inner tyres turning radius.....	mm 2.800
Outer tyres turning radius .....	mm 4.900
Outer bucket turning radius .....	mm 5.500

## HYDRAULIC SYSTEM

Composed of two gear pumps, the first one for the loader circuit and steering, the second one for the circuit of the fan,

having a double speed of rotation. **"Combined Flow"** circuit for feeding the rear control valve. Modular two-element control valve for the loader, modular six-element control valve for the backhoe regenerative type, with unloading valve for reducing consumption during transfer. Double acting hydraulic cylinder. Cylinder 1<sup>st</sup> backhoe arm with brake at maximum height. Hydraulic oil cooling radiator. Full-flow oil filter on the leakage pipe.

Standard flow .....	lt/1'	105
Max flow .....	lt/1'	145
Loader relief valve pressure .....	bar	250
Steering relief valve pressure .....	bar	175
Lift cylinder .....	mm	90x665
Bucket cylinder .....	mm	110x445

### Loader control

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

### Backhoe control

Two levers backhoe control, "cloche" type.

Two hydraulic-control independent stabilizers.

Side translation with four hydraulic locking devices.

## SERVICE CAPACITIES

Engine .....	lt	8
Front axle .....	lt	11,8
Rear axle .....	lt	11,8
Gear box .....	lt	1,6
Hydraulic circuit.....	lt	85
Brake system .....	lt	2
Fuel .....	lt	118
Water cooling .....	lt	24

## TECHNICAL FEATURES

### Loader:

Standard bucket capacity .....	m <sup>3</sup>	1,30
Bucket width .....	mm	2.350
Breakout force .....	kg	10.800
Max. hydraulic lifting capacity at maximum height ...	kg	5.000
Dump angle .....	mm	3.500
Dump height at 42°.....	mm	2.800
Reach at 42° .....	mm	775

### Backhoe loader

Type.....	VF	4.65B
Standard bucket capacity .....	lt	200
Bucket width .....	mm	600
Dipperstick max penetration capacity .....	kg	4.700
Max breakout force on the bucket tip.....	kg	6.100
Lifting capacity on the bucket pin up to max height ....	kg	2.200
Rotating.....		180°
A - Max digging depth .....	mm	5.000
B - Standard digging depth (SAE).....	mm	4.600
C - Max digging depth with telescopic (opt).....	mm	6.000
D - Standard digging depth with telescopic (opt) .....	mm	5.600

## DIMENSIONS AND WEIGHT

Max lenght in transfer position .....	mm	6.000
Max width in transfer position .....	mm	2.350
Width across tyre.....	mm	2.100
Tracks width .....	mm	1.650
Maximum height .....	mm	3.700
Ground clearance.....	mm	450
Standard weight in running order.....	kg	8.600
Max permissible weight .....	kg	9.920



**VENIERI**

Via Piratello, 106 - 48022 Lugo (RA) ITALY  
 Tel. +39 0545 904411 Fax +39 0545 30389  
 e-mail: info@vf-venieri.com [www.vf-venieri.com](http://www.vf-venieri.com)  
**Spare Parts**  
 Tel. +39 0545 904429 Fax +39 0545 24555

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.