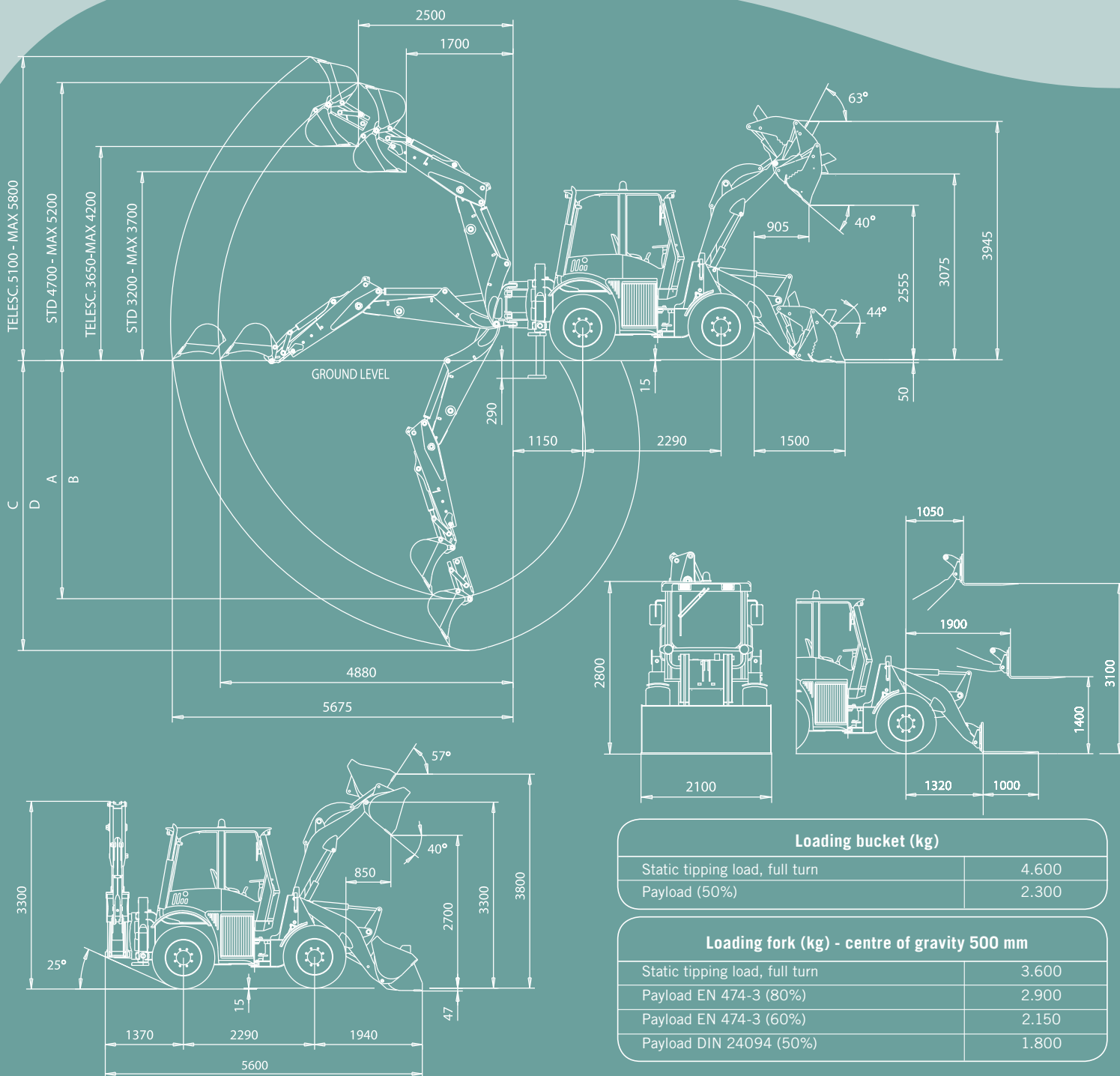


# 623B

- Max power 86 CV
- Bucket capacity 1.0 - 1.3 m<sup>3</sup>
- Max digging depth 4.30 m (5.10 m)
- Max operative weight 7400 kg
- Hydrostatic transmission
- 4 wheel drive



**Venieri**  
articulated  
backhoe loader



#### Loading bucket (kg)

Static tipping load, full turn	4.600
Payload (50%)	2.300

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

Static tipping load, full turn	3.600
Payload EN 474-3 (80%)	2.900
Payload EN 474-3 (60%)	2.150
Payload DIN 24094 (50%)	1.800

## DIESEL ENGINE

Motore: 4 cylinder, direct injection engine, turbocharged, water-cooled, paper dry filter.

Emissioned engine according the 97/68 stage 2.

Type .....	Perkins 804 C 33T
Max power .....	63 kW - 86 HP
Rated rpm .....	2400
Net power ISO/TR 14396 .....	60 kW - 82 HP
Net power EEC 80/1269 .....	60 kW - 82 HP
Bore .....	mm 94
Stroke .....	mm 120
Displacement .....	cm <sup>3</sup> 3331

## ELECTRICAL SYSTEM

Battery .....	12 Volt
Capacity EN 60095-1 .....	100 Ah - 850 A
Alternator rating .....	90 A
Reverse warnig .....	Standard
Wiring according width .....	IP 67 DIN 40050

## TRANSMISSION

Hydrostatic transmission with automatic power regulation and closed circuit with variable displacement pump and motor. Two forward/reverse speeds with single-lever electric control.

	<i>forward</i>	<i>reverse</i>
1 <sup>st</sup> gear km/h	0÷9	0÷9
2 <sup>nd</sup> gear km/h	0÷30	0÷30

## AXLES

Axles designed for heavy duties.

All wheel drive.

Planetary final drives in each wheel.

Front axle: rigid.

Rear axle: oscillating up to a total angle of 20° with "Limited Slip" differential.

Hydraulic locking device on rear oscillating axle.

## BRAKE SYSTEM

Service: multi-disc oil brakes on rear axle working on all the wheels.

Parking: mechanical disk brake on the gear-box, manually operated.

## TYRES

Standard.....	14.5-20 14pr
Option .....	15-22.5 14pr • 16/70-20 14pr • 405/70 R20

## STEERING

Central articulated frame with servo assisted through DANFOSS OSPC 315 hydraulic LOAD SENSING steering unit.

Total steering angle .....	80°
Inner tyres turning radius.....	mm 2500
Outer tyres turning radius .....	mm 4500
Outer bucket turning radius .....	mm 4900

## HYDRAULIC SYSTEM

Hydraulic gear pump with **LOAD SENSING** priority valve for the steering circuit.

Modular two-element control valve for the loader, modular six-element control valve for the backhoe.

Double acting hydraulic cylinders.

Hydraulic oil cooling radiator.

Full-flow oil filter on the leakage pipe.

Max flow .....	lt/1'	110
Loader relief valve pressure .....	bar	230
Steering relief valve pressure .....	bar	175
Lift cylinders .....	mm	80x586
Bucket cylinder .....	mm	85x445
Cycle time.....	sec	8.1

## 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 .....	kg	9
Gearbox .....	kg	1
Differential .....	kg	3,5
Planetary gear .....	kg	1,5
Hydraulic circuit .....	kg	110
Brake system .....	kg	0,6
Fuel .....	lt	90
Water cooling .....	lt	18

## TECHNICAL FEATURES

### Loader:

Standard bucket capacity .....	m <sup>3</sup>	1,0
Standard bucket width .....	mm	2100
Breakout force .....	kg	6200
Dump clearance .....	mm	3300
Dump height at 40° .....	mm	2700
Reach at 40° .....	mm	850

### Backhoe:

Type .....	VF	4.15B
Standard bucket capacity .....	lt	105
Standard bucket width .....	mm	400
Dipperstick max. penetration capacity .....	kg	2550
Max. breakout force on the bucket tip .....	kg	4560
Max hydr. lifting capacity on the bucket pin up .....	kg	1400
Rotation.....		180°
A - Max digging depth .....	mm	4300
B - Standard digging depth (SAE).....	mm	4000
C - Max digging depth with telescopic (opt.) .....	mm	5100
D - Standard digging depth (SAE) with telesc. (opt).....	mm	4800

## DIMENSIONS AND WEIGHTS

Max leghth in transfer position .....	mm	5650
Max width in transfer position .....	mm	2100
Width across tyres .....	mm	1950
Tracks width .....	mm	1570
Maximum height.....	mm	3250
Ground clearance .....	mm	350
Standard weight in running order.....	kg	7000
Max weight in running order.....	kg	7400

# 6.23<sub>R</sub>

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

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