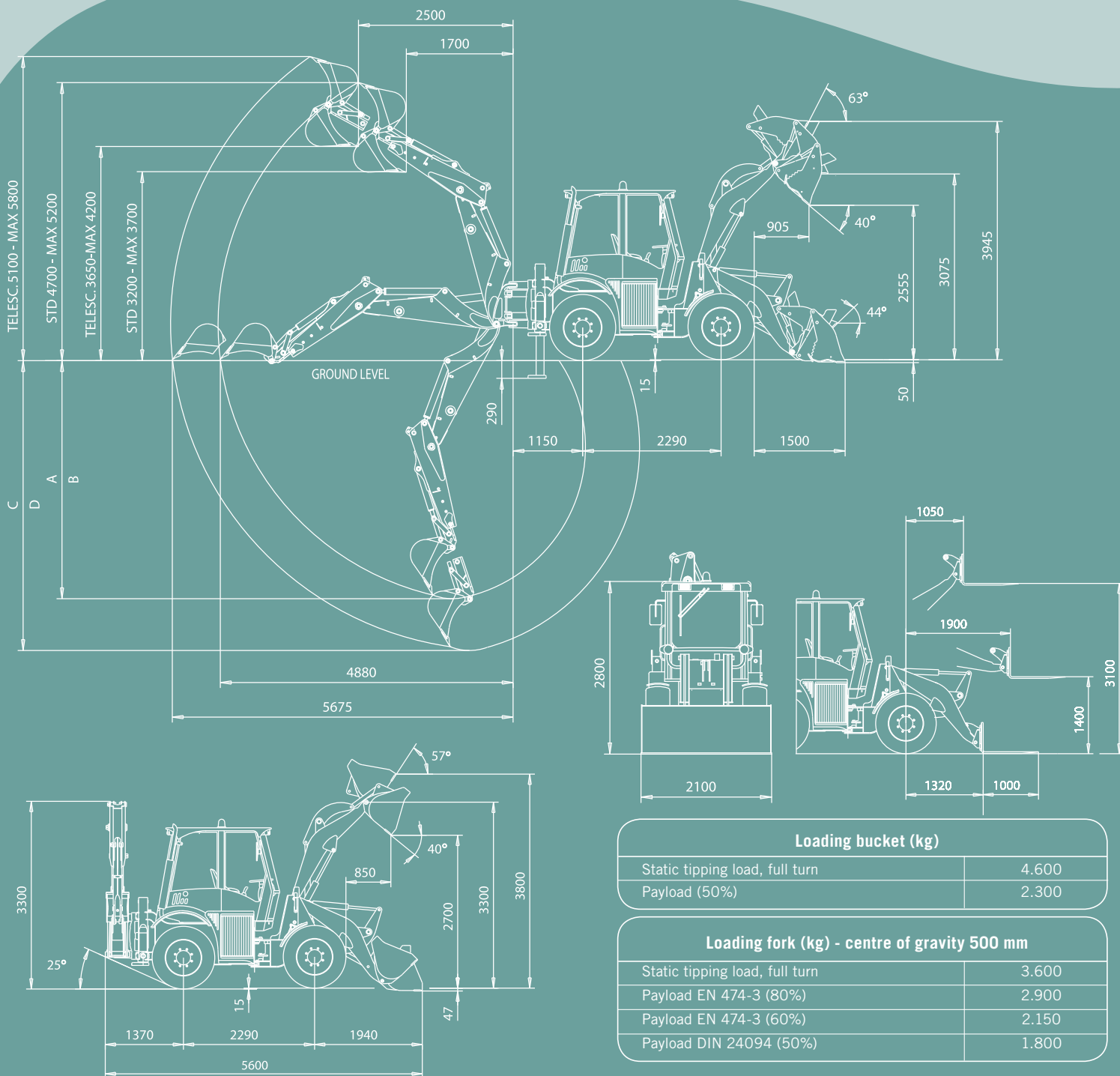


623B

- Max power 86 CV
- Bucket capacity 1.0 - 1.3 m³
- 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 ³ 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 st gear km/h	0÷9	0÷9
2 nd 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 ³	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

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