Venieri SPA

4.63HTL

TELESCOPIC WHEEL LOADER



PRELIMINARY

4.63HTL

TELESCOPIC WHEEL LOADER

DIESEL ENGINE

Inline-four cylinders, common-rail injection with electronic control, exhaust gas recirculation, water cooled, dry filtration, Diesel particulate filter (DPF). Engine complies with Regulation (EU) 2016/1628 - STAGE V/TIER IVf.

Type		Yanmar 4TNV98C
Max power		53 kW - 72 HP
Raed rpm		2.500
Power ISO/TR 14396		51,7 kW - 70 CV
Power EEC 80/1269		51,7 kW - 70 CV
Economic working range (rpm)		1200 - 1600
Max torque	Nm	241
Bore	mm	98
Stroke	mm	110
Displacement	cm^3	3.319

ELECTRIC SYSTEM

Battery	12 Volt
Capaciy	110 Ah - 850 A
Alternator	80 A
Reverse warning	Standard
Wiring accord to	IP 67 - DIN 40050

TRANSMISSION

Hydrostatic transmission with automatic power regulation and closed circuit with pumps and variable displacement engine. Two speed fwd/rev, with single-lever electronic control.

Speed	*Forward*	*Reverse*
1st gear km/h	0÷11	0÷11
2nd gear km/h	0÷30	0÷30

2nd gear automatic selection available as optional

AXLES

Two heavy duty equal size axles with planetary final drives in each wheel. Fixed rigid drive axle. Oscillation rear axle on rear chassis section up to a total angle of 25°. Transfer gearbox transferring movement directly to the rear and to the front axle via transmission shaft. Self locking limited slip differential on both front and rear axles.

BRAKE

Service brake: hydraulic multi-disc oil brake on the front axle, acting on all four wheels.
Parking brake: negative hydraulic brake on the front axle with electric actuation.

TYRES

Standard	405/70 R20
Optional	420/75 R20 • 425/75 R20

STEERING

Servo-assisted steering **LOAD SENSING** system.

Total steering angle		80°
Inner tyres turning radius	mm	2.585
External tyres turning radius	mm	4.515
External bucket turning radius*	mm	4.980

** Bucket on traveling condition*

HYDRAULIC SYSTEM

Two gear pump, the first for loader and steering circuit with LOAD SENSING valve, the second for the fan circuit with two rotating speed.
Modular four-elements control valve with main relief valve.
Double acting hydraulic cylinders. Hydraulic oil cooling radiator. Full flow oil filter on the return line.
Electronic joysticks with all proportional controls.

Max flow	lt/1'	90
Loader relief valve pressure	bar	220
Steering relief valve pressure	bar	190

TELESCOPIC BOOM

Telescopic boom with Z-bar linkage and compensation integrated in the lifting cylinder to ensure parallelism.

- Anti-tipping device and safety block valves
- Floating device as standard and ride control on request
- Telescopic boom cylinder inside the boom.

SERVICE CAPACITIES

Engine	lt	11
Front axle	lt	5,6
Rear axle	lt	5,8
Gear box	lt	3,8
Hydraulic circuit	lt	70
Brake circuit	lt	1,1
Fuel	lt	75
Water cooling	lt	15

TECHNICAL FEATURES

Standard bucket capacity	m^3	1,1
Bucket width	mm	2.100
Straight static tipping load	kg	4.500
Full turned tipping load 40°	kg	4.100
Hinge pin height (Retracted telescopic boom)	mm	3.460
Hinge pin height (Extended telescopic boom)	mm	4.955
Dump height at 38° (Retracted tele boom)	mm	2.828
Dump height at 38° (Extended tele boom)	mm	4.323
Dump distance at 38° (Retracted tele boom)	mm	594
Dump distance at 38° (Extended tele boom)	mm	972
Breakout force	kg	5.300
Maximum lift height with forks (Retracted tele boom)	mm	3.302
Maximum lift height with forks (Extended tele boom)	mm	4.795
Forks static tipping load - full turn	kg	3.100
Payload EN474-3 (80%)*	kg	2.500
Payload EN474-3 (60%)*	kg	1.900

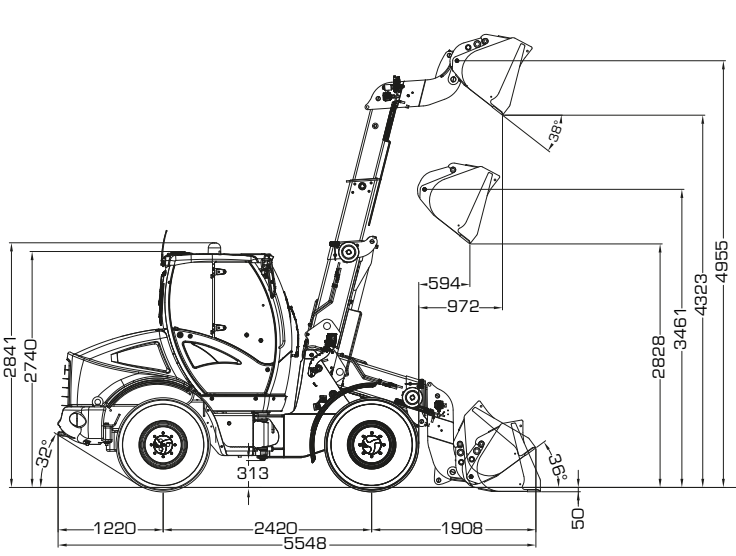
** Center of gravity 500mm*

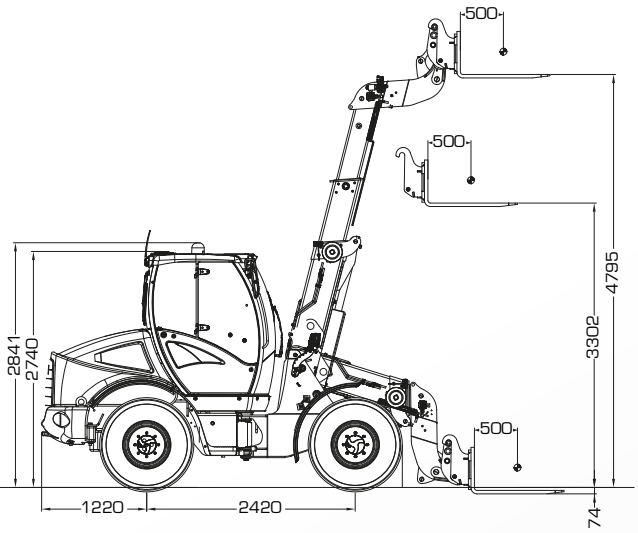
DIMENSIONS AND WEIGHT

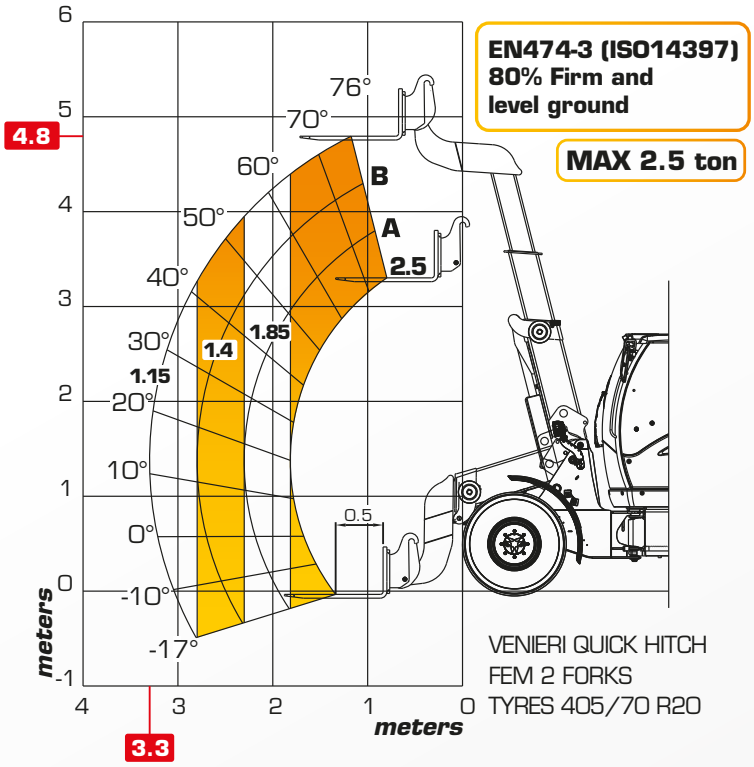
Max. lenght in transfer position	mm	5.662
Max. width in transfer position	mm	2.100
Tyre external width	mm	2.021
Track width	mm	1.620
Wheel base	mm	2.420
Ground clearance	mm	313
Max height	mm	2.841
Standard operating weight	kg	6.400
Max permissible weight	kg	7.200

dB NOISE LEVEL

Noise level inside cabin ISO 6396 - LpA	dB(A)	74
Exterior noise level ISO 6395 - LwA	dB(A)	101







VENIERI QUICK HITCH
FEM 2 FORKS
TYRES 405/70 R20

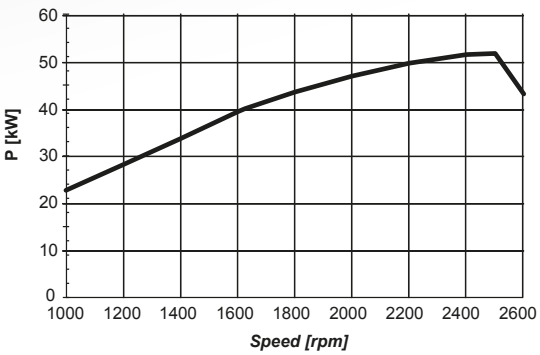


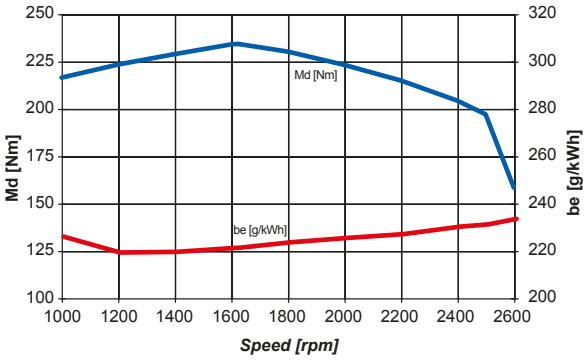
The illustrations on the present folder do not necessarily show the product standard version. Data and dimensions described in this folder are not binding. Venieri reserves the right of carrying out possible changes at any time and without previous notice because of its policy of steady developement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

NEW YANMAR STAGE V/TIER IVf ENGINE. JAPANESE PERFORMANCE AT ITS FINEST.

The engine that equips the 4.63H is the **new Yanmar 4TNV98C**, a four cylinder unit of **3.319 cc** with **EGR system (Exhaust Gas Recirculation)** and **Diesel Particulate Filter DPF**; this has the peculiarity to operate without additives by capturing the fine dust of the exhaust gases and burning them during the automatic regeneration process, **keeping the filter clean** and keeping operating costs down.
The DPF can work in three different modes: **assist regeneration**, **active regeneration**, **stationary regeneration**.
The Yanmar engine is equipped with a **Common Rail electronic injection system**, that grant an accurate control of the injection and combined with the exhaust treatment system, ensures **low fuel consumption** and reduces pollutant emissions.

Yanmar 4TNV98C 53 kW-72 CV





COMFORT, TECHNOLOGY AND CONTROL AT YOUR FINGERTIPS.

- **New ergonomic dashboard** with integrated **electronic joystick** and **touchpad controls**.
- **7-inch colour TFT LCD display** with **anti-fingerprint** and **scratch-resistant surface, integrated camera system** and **anti-tipping protection**.
- **Slim steering column** designed to maximise operational visibility.
- **Upper FOPS Level 2 skylight for optimal visibility of the telescopic boom** during operation.
- **Armrest with integrated smartphone holder** and **charging system**.









(2026) UP463HTL_B-ENG proartegrafica.it

100% MADE IN ITALY
MOTOR VALLEY
QUALITY SYSTEM CERTIFICATION DNV ISO 9001
ENVIRONMENTAL SYSTEM CERTIFICATION DNV ISO 14001

Venieri SPA
EARTHMOVING MACHINES

VF Venieri S.p.A. a Socio Unico
Via Piratello, 106 - 48022 Lugo (RA) - ITALY
Tel. +39 0545 904411
e-mail: info@vf-venieri.com | **www.vf-venieri.com**

Spare Parts
Tel. +39 0545 904429
e-mail: ricambi1@vf-venieri.com