

DIESEL ENGINE

Engine :6 cylinder, turbo-charged with intercooler, electronic direct injection diesel engine, water-cooled, paper dry filter. Emissioned according to CEE 97/68 stage IIIA

Type	Perkins 1106D-E66TA
Max power	110 kW - 150 HP
Rated rpm	2200
Net power ISO/TR 14396	107 kW - 146 HP
Net power EEC/ 80/1269	107 kW - 146 HP
Bore	mm 105
Stroke	mm 127
Displacement	cm ³ 6600

ELETTRIC SYSTEM

Battery	12 Volt
Capacity EN 60095-1	200 Ah - 1350 A
Alternator rating	100 A
Reverse warning	Standard
Wiring according with	IP 67 e DIN 40050

TRANSMISSION

Hydrostatic transmission with automatic power regulation and closed circuit with variable displacement pump and two motors.

Four forward/reverse speed with automatic gear shift and single-lever control

Gearbox with automatic gears and clutch to disconnect one motor in travelling speed.

		<i>forward</i>	<i>reverse</i>
1 st gear	km/h	0 ÷ 8	0 ÷ 8
2 nd gear	km/h	0 ÷ 17	0 ÷ 17
3 rd gear	km/h	0 ÷ 39	0 ÷ 39

AXLES

Two heavy duty axles with planetary final drivers in each wheel.

Fixed rigid drive axle on front chassis section.

Oscillation drive axle on rear chassis section up to a total angle of 20°

Transfer gearbox transferring movement directly to the rear and to the front axle via a transmission shaft.

Self locking limited slip differential on front axle.

Self locking limited slip differential on rear axle (optional).

BRAKES

Service : hydraulic multi-disc oil brake on each wheels.

Parking hydraulic negative brake (inside the rear axle) actuated by electric control and automatically when the machine is turn off.

TYRES

Standard :	20.5 -25 16 pr
Option :	20.5 R 25 - 17.5 R25 - 555/70 R24

STEERING

Servo-assisted steering LOAD SENSING system with separated pump

Total steering angle	80°
Inner tyres turning radius	mm 3130
Outer tyres turning radius	mm 5050
Outer bucket turning radius	mm 6050

HYDRAULIC SYSTEM

Single variable displacement piston pump with power control , second gear pump for the steering circuit

Modular 2-element control valve.

Double acting hydraulic cylinders .

Hydraulic oil cooling radiator.

Full-flow oil filter on the leakage pipe.

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

Max flow	lt/1'	150
Loader relief valve pressure	bar	280
Steering relief valve pressure	bar	175
Lift cylinders	mm	110x769
Bucket cylinders	mm	80x850
Cycle time	sec	10.0

SERVICES CAPACITIES

Engine	kg	17
Gearbox	kg	1.5
Differential	kg	18
Planetary final drive	kg	2
Hydraulic circuit	lt	130
Brake system	kg	1
Fuel	lt	220
Water cooling	lt	20

TECNICAL FEATURES

Standard bucket capacity	m ³	2,1
Bucket width	mm	2480
Static tipping load :		
- straight	kg.	8900
- full turned 40°	kg.	7800
Lifting capacity at max height	kg.	7400
Dump clearance	mm.	4000
Dump height at 42°	mm.	3100
Reach at 42°	mm.	1050
Breakout force	kg	9500

DIMENSIONS AND WEIGHTS

Max. lenght in transfer position	mm	6950
Max. width in transfer position	mm	2480
Max height	mm	3200
Track	mm	1850
Tracks width	mm	2380
Wheel base	mm	2980
Ground clearance	mm	500
Standard operating weight	kg	11800
Max. operating weight	kg	12500

The illustrations of the present folders 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 of the products.



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PARALLEL LINK



VF 12.63

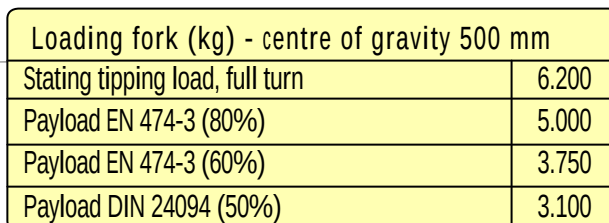
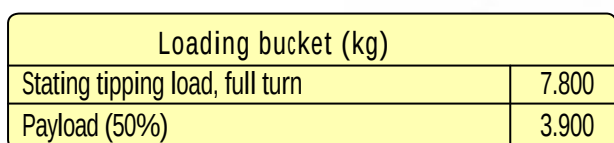
PARALLEL LINK

Preliminary

ENGINE STAGE III A - MAX POWER 150 HP
LIFTING CAPACITY AT MAX HEIGHT 7400 kg
MAX OPERATING WEIGHT 12500 kg
HYDROSTATIC TRANSMISSION • 4 WHEEL DRIVE
BUCKET CAPACITY 2.1 - 3.0 m³



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V F 1 2 . 6 3 P A R A L L E L L I N K

ADJUSTING THE DRIVER SEAT



STEERING COLUMN



ENGINE COVER



SWITCHES ON SIDE-DASHBOARD



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COSTRUZIONE MACCHINE INDUSTRIALI
Via Piratello, 106 - 48022 LUGO (RA) - ITALIA
Tel. 0545/904411 - Fax 0545/30389
Servizio ricambi
Tel. 0545/904429 - Fax 0545/24555
www.vf-venieri.com



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