

ENGINE

Complies with European Directive	97/68 CE - STAGE 3
Model	Yanmar 4TNV 88
Max power	HP - kW 44,2 - 32,5
Regimen adjusted	rpm 2600
Power adjusted ECE R120	HP - kW 42,5 - 31,3
Numbers of cylinders	4
Injection	Direct
Intake	Natural
Displacement	cc. 2190
Cooling	water
Air filter with double protection	dry
Electrical equipment	12 volt
Free maintenance battery	70 Ah
Self regulated alternator	480 W
Fuel tank capacity	46 l

TRANSMISSION

Hydrostatic transmission at closed circuit, with automatic adjustment of power, axial pistons pump and engine at variable displacement.

Inching pedal control.

Manual selection of working speed.

2 forward a 2 backward speeds, electrical control on steering wheel.

SPEED

		1 st	2 nd
Forwards	Km/h	0 ÷ 9,4	0 ÷ 22,5
Backwards	Km/h	0 ÷ 9,4	0 ÷ 22,5

AXLES

With epicycloid reduction gears on all four driving wheels.

Front axles: steering and oscillating of a 15° total range, with automatic proportional self-locking differential.

Rear axles: steering, fixed on the chassis, with automatic proportional self-locking differential.

BRAKES

Duty brakes: disk on the transmission shaft with hydraulic feeding pedal control.

Parking brakes: disk on the transmission shaft, manually operated.

HYDRAULIC SYSTEM

Composed by: hydraulic gear pump, modular distributor with principal, shock-proof and anticavitation valve. Pressurised circuit.

Max pump capacity	70 l
Max pump pressure	210 kg/cm ²
Loader lifting cylinder	Bore x Stroke 90 x 425 mm
Loader bucket cylinder	Bore x Stroke 50 x 500 mm
Hydraulic cycle time	8"
Oil tank capacity, circuit included	45 kg

STEERING

Servoassisted, with hydroguide, on all 4 wheels.

The hydraulic system is "Load Sensing" equipped.

Steering radius interior tyres	1270 mm
Steering radius exterior tyres	2600 mm
Steering radius interior bucket	3285 mm

STEERING SYSTEM AT 3 FUNCTIONS

- 2 front steering wheels
- 4 steering wheels
- "CRAB"

TYRES

Standard:	driving type	10 x 16,5	8 Pr
Optional:		12 x 16,5	10 Pr

Other models on request.

LOADER

Single servocontrol lever for arm and bucket.

Standard bucket capacity	0,50 m ³
Standard bucket width	1490 mm
Breakout force	3650 Kg
Lifting capacity at max height	3330 Kg

BACKHOE

Two independent stabilizers with blocking valves.

Side translation with four hydraulic locking devices.

Block of rotation and arm lowering with hydraulic control.

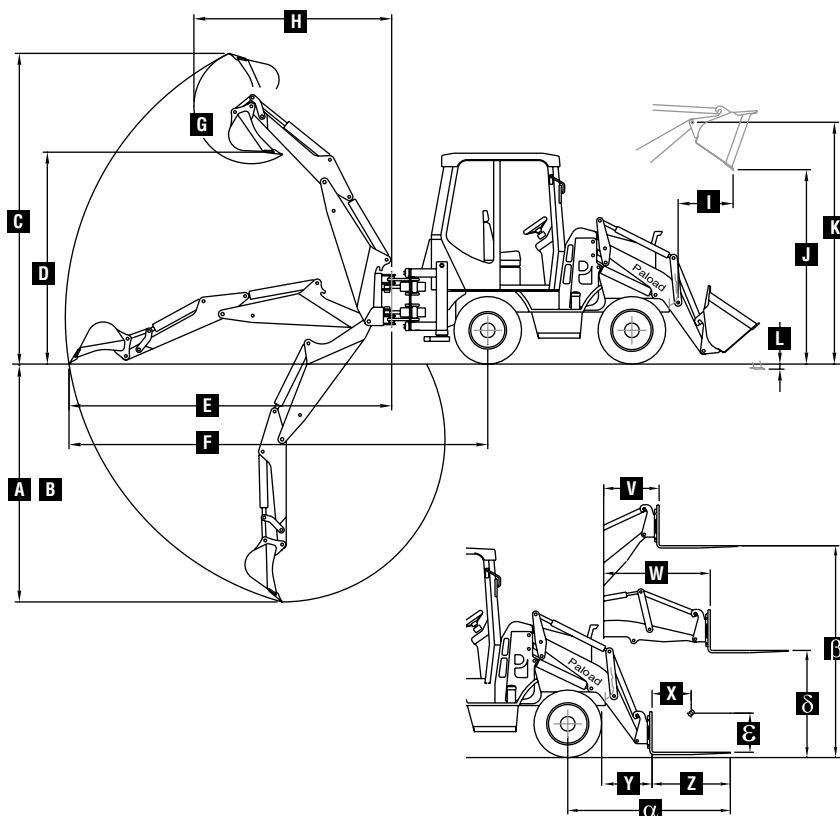
Type	PRE 28
Standard bucket capacity 300 mm	45 l
Dipperstick max penetration capacity	1535 Kg
Max breakout force on the bucket tip	2870 Kg
Lifting capacity on the bucket pin	710 Kg
A - max digging depth	2820 mm
B - standard digging depth	2600 mm
Max dump height	2830 mm
Standard rotation angle (patented)	240°
Optional rotation angle	180°

DIMENSIONS AND WEIGHTS

Max length in moving position	4800 mm
Max width in moving position	1490 mm
Front and rear track width	1185 mm
Ground clearance	365 mm
External tyres width	1450 mm
Standard operating weight	3500 Kg
Max operating weight	3800 Kg

STANDARD EQUIPMENT

- Mechanic quick bucket connection.
- Loader servo control.
- Automatic proportional self-locking differential on front and rear axle.
- Inching pedal control (transmission speed regulations).
- Antipollution tank plugs.
- Bucket with screwed teeth.
- Rotating and downward stop of backhoe boom with hydraulic control.
- Visual device for shovel positioning.
- Reverse motion alarm.
- Battery disconnecting switch.
- Front and rear work lights.
- Rotating lamp with magnetic fixing.
- Shock absorbing and regulating seat, with safety belt.
- Regulating steering wheel.
- Heating plant.
- Air filter in aspiration from outside.
- Rotoform roof for cabin protection.
- Front mudguards in rotoform.
- Unified key for lock and starting.
- Tool box.
- Use and maintenance manual, spare parts catalogue.
- Accessories for road circulation.
- Road homologation for daily and night circulation.
- CE Certification.



OPTIONAL EQUIPMENT

ON LOADER

- Hydraulic quick bucket connection.
- 4:1 multipurpose bucket.
- Mixer bucket.
- Front rotating brush.
- Teeth blade.
- Asphalt concrete milling.
- Universal forks.
- Theft protection.
- Snow blade or snow plough.
- Metallic canopy ROPS FOPS.
- Hydraulic high flow plant 92 t/min.
- Air conditioning.

ON BACKHOE

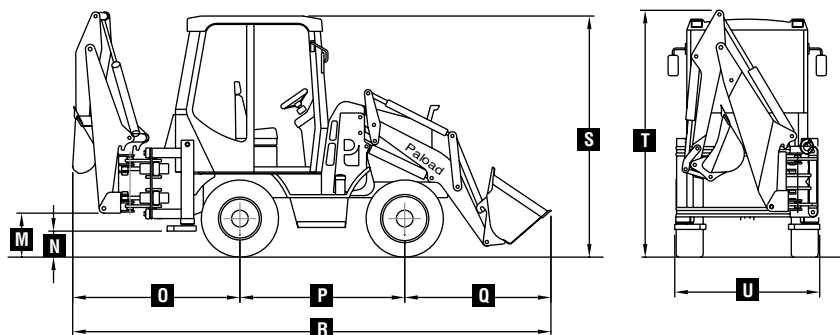
- Mechanic quick bucket connection.
- Ditching buckets of different sizes.
- Trenching buckets of different sizes.
- Ditch cleaning bucket.
- Backhoe with angle 180°.
- Backhoe with mech. ejector.
- Hydraulic hammer.
- Hydraulic auger.
- Rubber pads.
- telescopic dipperstick.

For other accessories and equipment for characteristics and dimension, please see the "equipment catalogue"

OPERATIVE DATA

Dumping load aligned Kg 2200
 Operative load with forks EN 474-3 (80%) Kg 1350
 Operative load with forks EN 474-3 (60%) Kg 1000

A mm 2820	J mm 2200	V mm 440	M mm 480	T mm 2410
B mm 2600	K mm 2700	W mm 1055	N mm 365	U mm 1490
C mm 3910	L mm 50	Z mm 1000	O mm 1550	
D mm 2830		X mm 500	P mm 1575	
E mm 3550		Y mm 580	Q mm 1675	
F mm 4570		α mm 1990	R mm 4800	
G 202°		β mm 2555	S mm 2300	
H mm 2200		δ mm 1250		
I mm 650		ε mm 500		



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COMPANY WITH QUALITY MANAGEMENT
 SYSTEM CERTIFIED BY DNV
 = ISO 9001:2008 =

CE MACHINE IN CONFORMITY TO THE
 NEW MACHINES' STANDARDS

We reserve the right to change technical data,
 so all characteristics are purely indicative.
 Pictures don't show necessarily the
 machine in standard version.