

## ENGINE & ANCILLARIES

Yanmar TNV98

**Configuration**  
4 cylinder

**Aspiration**  
Naturally aspirated

**Emission Level**  
Tier II

**Governed Power**  
45 kW

**Governed Speed**  
2 200 rpm

**Displacement**  
3 319 cc

**Fuel Filter Type**  
In-line water separator with separate spin on fuel filter.

**Fuel Filter**  
5 µm

**Coolant Capacity (Engine only)**  
4 litres

**Radiator**  
Easy access and easy to clean. Agricultural spec fine dust tolerant - wide fin spacing.

**Fuel Tank**  
Secure, lockable ground level filling. Integrated into lower section of the frame to keep a low centre of gravity.

**Fuel Tank Capacity**  
100 litres

**Air Cleaner Type**  
Radial Seal 2-stage primary and secondary filters, both fed by a self cleaning pre-cleaner. The system has a dash mounted restriction indicator.

## HYDRAULIC SYSTEM

**Hydrostatic Drive System**  
Servo controlled Variable displacement closed loop system.

**Wheel Drive System**  
Robust, proven Bell planetary hub driven by high displacement radial piston motor with fail to safe spring applied hydraulically released multidisc wet brake.

**Wheel Drive Make & Model**  
Bell #24P

**Service Brake**  
Hydrostatic braking through the closed loop system.

**Hydraulic Implement Pump 1**  
**Maximum Flow at Engine**  
**Rated Speed**  
60,9 l/min

**Hydraulic Implement Pump 1**  
**Maximum Intermittent Pressure**  
241 bar

**Hydraulic Implement Pump 1**  
**Use**  
Mast lift & lower

**Hydraulic Implement Pump 2**  
**Maximum Flow at Engine**  
**Rated Speed**  
39,4 l/min

**Hydraulic Implement Pump 2**  
**Maximum Intermittent Pressure**  
280 bar

**Hydraulic Implement Pump 2**  
**Maximum Continuous Pressure**  
250 bar

**Hydraulic Implement Pump 2**  
**Use**  
Attachment - Mast tilt

**Tank**  
Integrated within the tubular frame

**Tank Capacity**  
140 litres

**Tank Breather**  
Remote to filler cap, 3 micron rating, 0.75 bar pressure.

**Hydraulic Cooler Air Fin Spacing**  
Easy to clean wide fin spacing.

## ELECTRICAL

**System**  
12 volt system with a single maintenance free battery mounted in the rear of the machine above the tail wheel.

**Alternator Output**  
12 v 80 Amp

**Starter Motor Rating**  
12 v 3,0 kW

**Fuse Box**  
Blade fuses located inside the cabin in the instrumentation box.

**Battery**  
Maintenance free gel filled battery 100 Amp Hour rating.

**Battery Isolator**  
Single pole type with lock out mounted onto the right hand side of the frame.

**Work Lights**  
8 lights in total. 4 Facing forwards, 2 facing rearwards, 1 facing side ways on each side of the frame.

**Strobe Light**  
Mounted on the rear of frame

**Interior lights**  
LED mounted inside the cab and inside the engine bay.

## ESTIMATED OPERATING WEIGHTS WITH STANDARD OPTIONS

Unladen	
Front:	4 567 kg
Rear:	2 211 kg
Total:	6 778 kg
Laden	
Front:	9 814 kg
Rear:	464 kg
Total:	10 278 kg

**Working Load Limit**  
3 500 kg

## FORKS

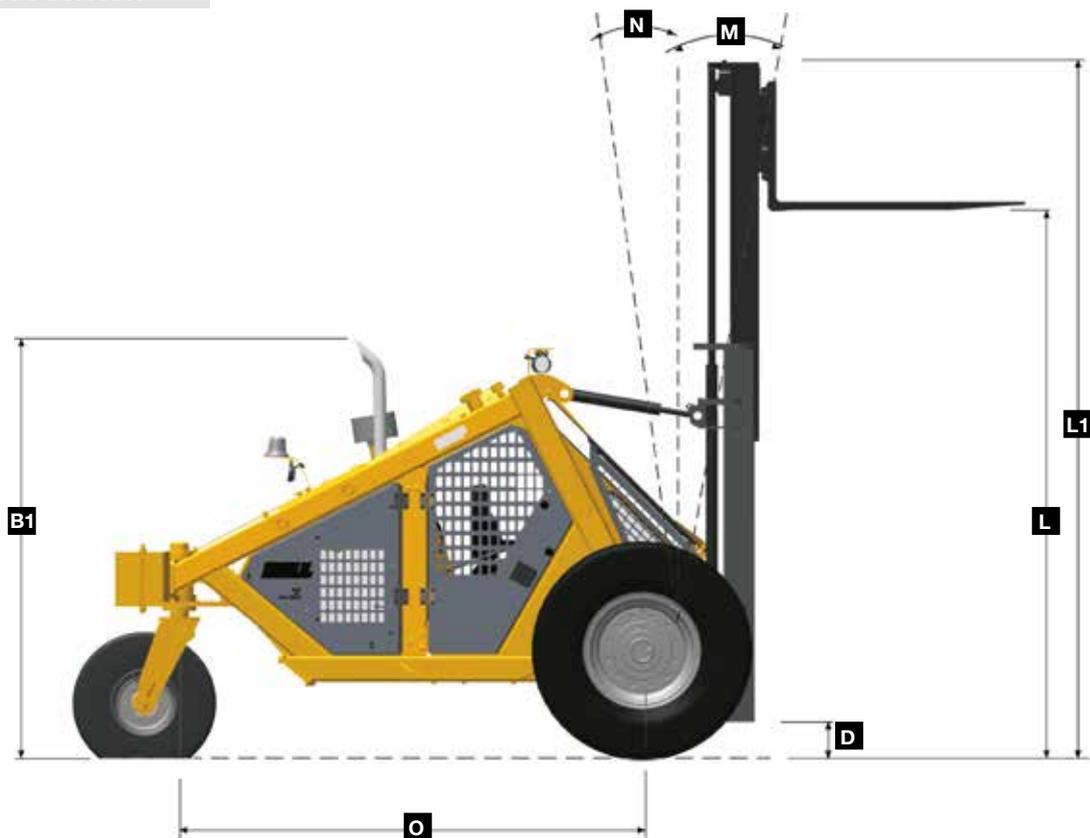
**Carriage**  
1,2 m wide  
2,5 m wide (option)

Note: Tyre sizes indicated represent available tyres at printing. Please ensure your choice is available at time of ordering.

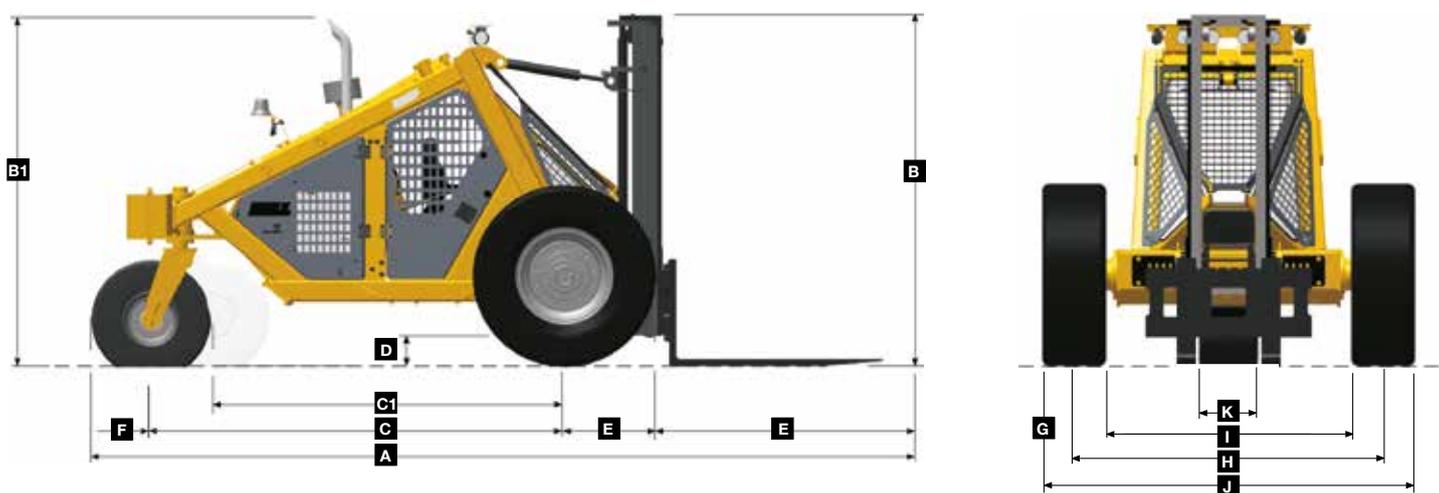
- 3.5 ton capacity
- Lowest cost per tonne solutions
- Low fuel consumption
- Low maintenance
- Designed for rough terrain operations
- Where agility and productivity are requirements

## I Dimensions

### OPERATING POSITION



### TRANSPORT POSITION



### MACHINE DIMENSIONS

A	Length-Transport Position - Standard Carriage	5 739 mm	G	Reach - Wide Carriage	1 693 mm
A	Length-Transport Position - Wide Carriage	5 789 mm	H	Track Width - Front: 17.5 x 25	2 249 mm
B	Height - Mast - Transport Position	2 569 mm	I	Inside Tyre Width - Front: 17.5 x 25	1 787 mm
B1	Height - Exhaust - Transport Position	2 563 mm	J	Width over Tyres - Front: 17.5 x 25	2 711 mm
C	Front Axle Centre to Tailwheel Axle Centre	2 998 mm	K	Tyre Width - Tailwheel: 400 x 15.5	385 mm
C1	Front Axle Centre to Tailwheel Axle Centre	2 577 mm	L	Height - Fork Tines @ Maximum Reach	3 342 mm
D	Ground Clearance - Mast	231 mm	L1	Height - Mast @ Maximum Reach	4 238 mm
E	Front Tyre 17.5 x 25 - Free Radius (Free Diameter) (1 348)	674 mm	M	Maximum Forward Tilt Angle	10°
F	Tailwheel: 400 x 15.5 - Free Radius (Free Diameter) (864)	432 mm	N	Maximum Rearward Tilt Angle	7.5°
G	Reach-Standard Carriage	1 643 mm	O	Front Axle Centre to Tailwheel Pivot Centre	2 788 mm

NOTE: All dimensions are Unladen values based on the Standard Wheelsets U.O.N