

## Technical Data

### 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

Cyclonic pre-cleaner continuously vacuum scavenged through the exhaust. Primary filter with second safety filter with dash mounted restriction indicator. Twice the dust holding capacity of conventional air cleaners.

### 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 #29P

#### 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

Boom 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 - Grapple Open/Close, Tele Ext in/out and Rotator.

#### 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:	4 118 kg
Rear:	1 349 kg
Total:	5 467 kg

#### Laden

	Boom In	Boom Out
Front:	6 356 kg	6 524 kg
Rear:	371 kg	203 kg
Total:	6 727 kg	6 727 kg

#### Safe Working Load

1 273 kg

#### Tipping Load

1 400 kg

### GRAPPLE

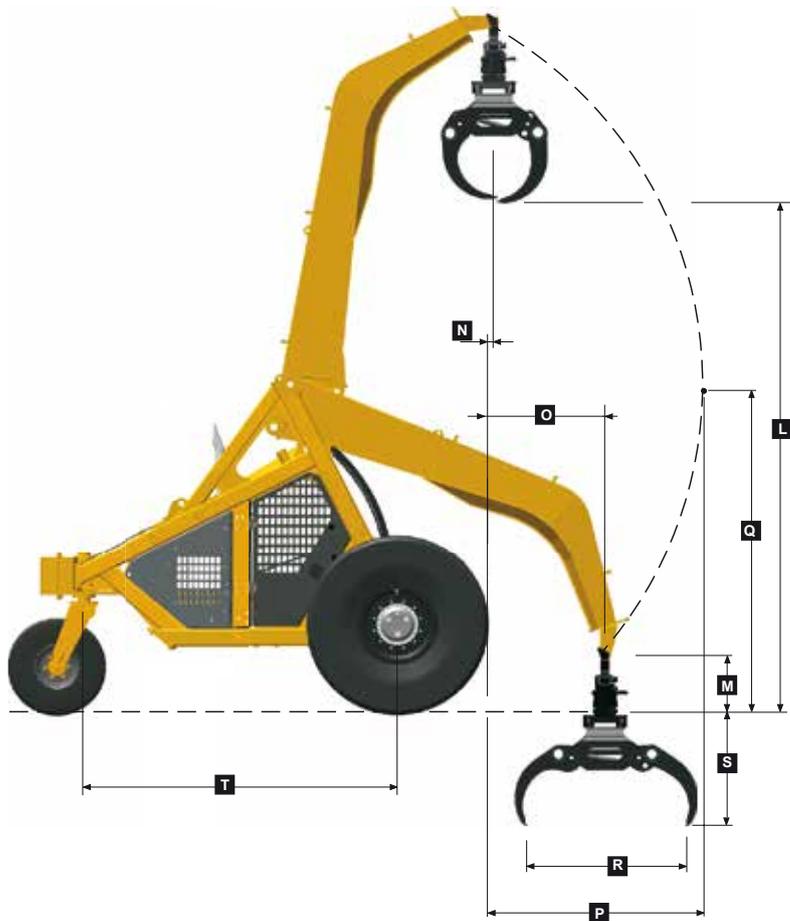
#35 with damper link (#43 option)

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

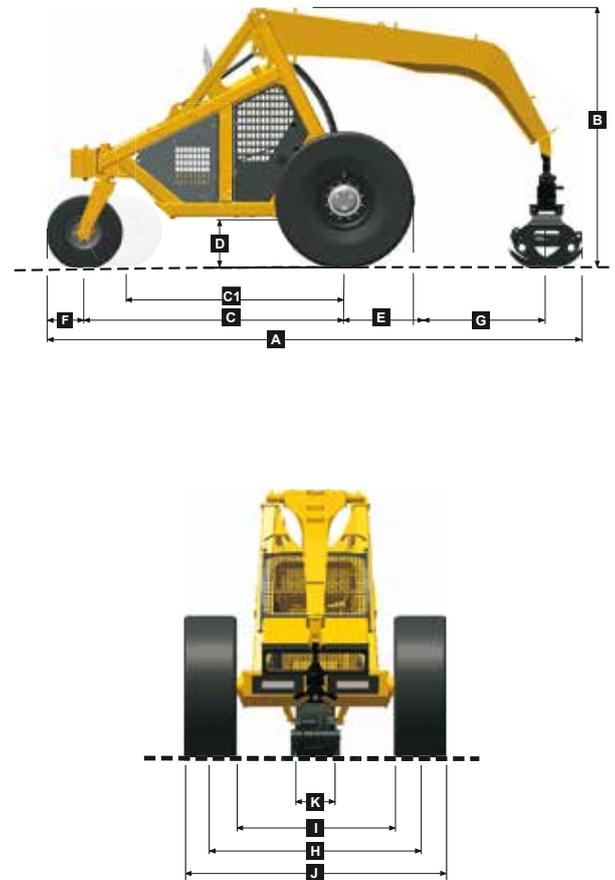
- Low capital outlay
- Low operating cost due to few working parts
- Low fuel consumption
- Simple to maintain
- Multi-purpose unit
- Highly manoeuvrable

## I Dimensions

### OPERATING POSITION



### TRANSPORT POSITION



### MACHINE DIMENSIONS

A	Length - Transport Position with #35 Grab Closed	6 240 mm	I2	18.4 x 26 (Option 1)	1 813 mm
A	Length - Transport Position with #43 Grab Closed	6 370 mm	I3	18.4/15 x 30 (Option 2)	1 846 mm
B	Height - Transport Position with Grab closed	3 059 mm	I4	18.4 x 34 (Option 3)	1 851 mm
C	Front Axle Centre to Tailwheel Axle Centre	3 030 mm	I5	18.4 x 26 (Option 4-Dual Wheelset)	1 687 mm
C1	Front Axle Centre to Tailwheel Axle Centre	2 546 mm	J	Width over Tyres - Front	
D	Ground Clearance - Front Axle Box	578 mm	<b>J1</b>	<b>18.4 x 30 (Std Wheelset)</b>	<b>2 982 mm</b>
E	Front Tyre - Free Radius (Free Diameter)		J2	18.4 x 26 (Option 1)	2 746 mm
<b>E1</b>	<b>18.4 x 30 (Std Wheelset)</b>	<b>807.5 mm (°1615)</b>	J3	18.4/15 x 30 (Option 2)	2 778 mm
E2	18.4 x 26 (Option 1)	729 mm (°1458)	J4	18.4 x 34 (Option 3)	2 787 mm
E3	18.4/15 x 30 (Option 2)	774.5 mm (°1549)	J5	18.4 x 26 (Option 4-Dual Wheelset)	3 675 mm
E4	18.4 x 34 (Option 3)	837.5 mm (°1675)	K	Tyre Width - Tailwheel	
E5	18.4 x 26 (Option 4-Dual Wheelset)	729 mm (°1458)	<b>K1</b>	<b>400 x 15.5 (Std Wheelset)</b>	<b>385 mm</b>
F	Tailwheel - Free Radius (Free Diameter)		K2	18 x 15.5 (Option 1)	450 mm
<b>F1</b>	<b>400 x 15.5 (Std Wheelset)</b>	<b>432 mm (°864)</b>	L	Load Over Height - #35 Grab	4 586 mm
F2	18 x 15.5 (Option 1)	490 mm (°980)	L	Load Over Height - #43 Grab	4 480 mm
G	Reach - Grab Pivot @ Ground Level - #35 Grab	1 545 mm	M	Grab Pivot Height - Boom Down Position	529 mm
G	Reach - Grab Pivot @ Ground Level - #43 Grab	1 600 mm	N	Reach-Grab Pivot - Boom Up Position	44 mm
H	Track Width - Front		O	Reach-Grab Pivot - Boom Down Position	1 036 mm
<b>H1</b>	<b>18.4 x 30 (Std Wheelset)</b>	<b>2 382 mm</b>	P	Maximum Reach - Grab Pivot	1 948 mm
H2	18.4 x 26 (Option 1)	2 279.5 mm	Q	Height - Grab Pivot @ Maximum Reach	2 964 mm
H3	18.4/15 x 30 (Option 2)	2 312 mm	R	Grab Open - #35	1 414 mm
H4	18.4 x 34 (Option 3)	2 319 mm	R	Grab Open - #43	1 577 mm
H5	18.4 x 26 (Option 4-Dual Wheelset)	2 681 mm	S	Maximum Reach - Below Ground - #35 Grab	1 001 mm
I	Inside Tyre Width - Front		S	Maximum Reach - Below Ground - #43 Grab	1 054 mm
<b>I1</b>	<b>18.4 x 30 (Std Wheelset)</b>	<b>1 782 mm</b>	T	Front Axle Centre to Tailwheel Pivot Centre	2 788 mm

NOTE: Please refer to 225F HP for Tele Logger option dimensions.

All dimensions are Unladen values based on the Standard Wheelsets and Grab with Damper U.O.N. Negative (-) dimension value denotes position below ground level or behind front of wheel, whichever is applicable.