

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

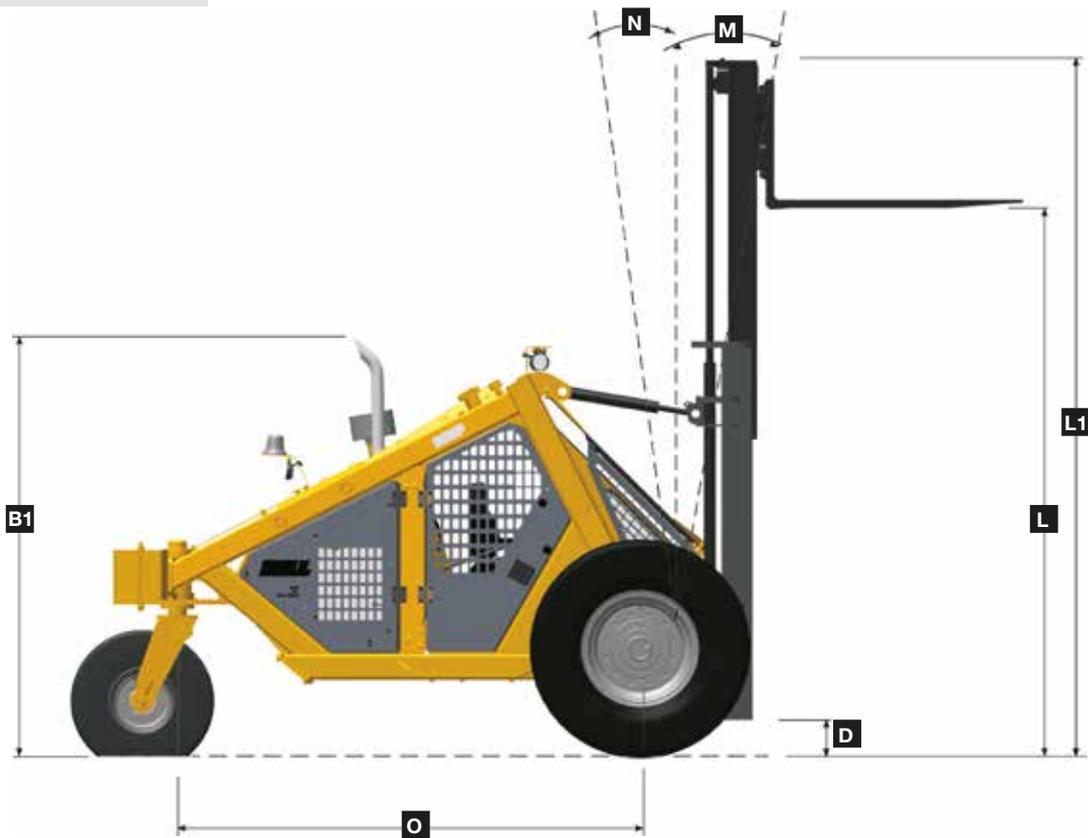
Carriage
1,2 m wide
2,5 m wide (option)

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

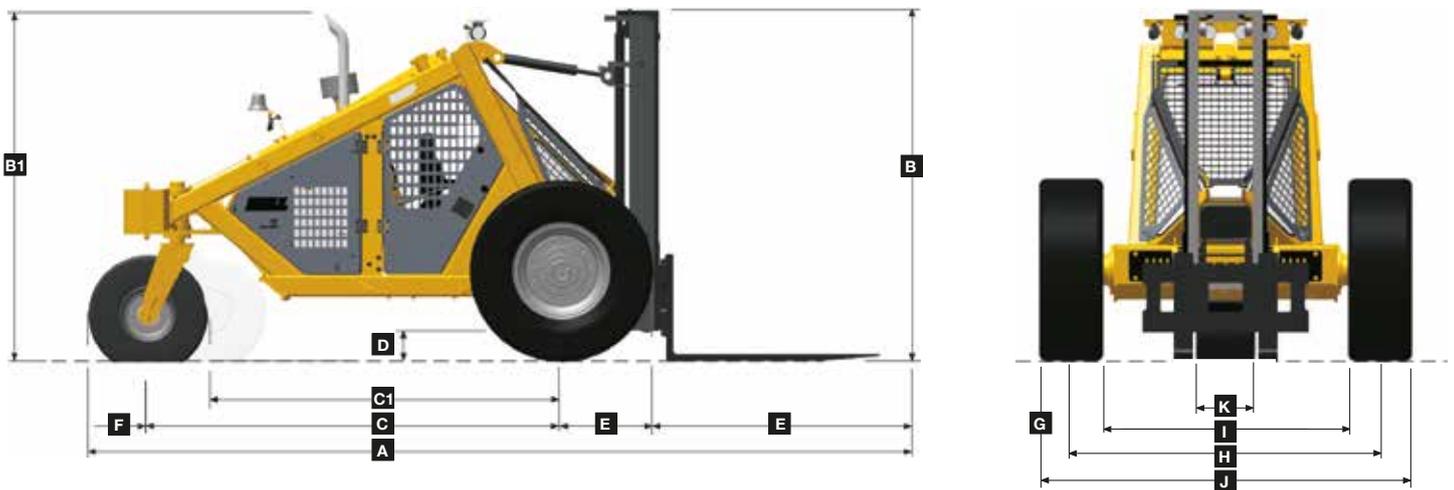
- 3.5 ton capacity
- Lowest cost per tonne solutions
- Low fuel consumption
- Low maintenance
- Designed for rough terrain operations
- Where agility and productivity are requirements

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

Cab Options



	225F Crank Logger	225F HP Tele Logger	125F Cane Loader	225F Forklift	CAB TRIM	Engine Doors	Cab Doors	Windscreen	Cab Door Glass	Roof Lining	Sound Kit >85dB	Air Conditioning
●	▲	●	▲		Basic option	✓	✗	✗	✗	✗	✗	✗
▲	▲	▲	●		Cab doors (no glazing)	✓	✓	✗	✗	✗	✗	✗
▲	▲	■	▲		Windscreen & wiper/washer	✓	✗	✓	✗	✗	✗	✗
▲	▲	■	▲		Windscreen & wiper/washer with cab doors (no glazing in doors)	✓	✓	✓	✗	✗		
▲	●	■	▲		Full Deluxe (full glazing)	✓	✓	✓	✓	✓	✓	✓

- STANDARD
- ▲ OPTION
- NOT AVAILABLE
- ✓ INCLUDED
- ✗ NOT INCLUDED

Features and Options

● STANDARD ▲ OPTION - NOT AVAILABLE

	225F Crank Logger	225F HP Tele Logger	125F Cane Loader	225F Forklift	
FRONT WHEELSETS					
●	▲	▲	▲	▲	460/85-30 T410
▲	▲	●	●	●	18.4 x 26 12 Ply
▲	▲	▲	-	-	Dual, 18.4 x 26 12 Ply
▲	●	-	-	-	23.1-26 T418FS
REAR WHEELSETS					
●	▲	●	▲	▲	400/60-15.5 T404
▲	●	▲	-	-	18.0 x 15.5 EcoAgri
-	-	-	●	●	400/60-15.5 BKT TR822 14Ply
SEAT					
●	▲	●	●	●	Unsuspending Lap Belt
▲	●	▲	▲	▲	Suspended
▲	▲	▲	▲	▲	Unsuspending 4 Point Harness
ATTACHMENT					
-	▲	-	-	-	Matriarch LX36
▲	●	-	-	-	Matriarch LX42
-	-	●	-	-	Cane Grab
-	-	-	●	●	Fork-lift with 1.2, Wide Carriage
-	-	-	▲	▲	Fork-lift with 2.5, Wide Carriage
-	-	-	POA	POA	Fork-lift with Brick Clamp
-	-	-	POA	POA	Fork-lift with Tyre Clamp
WORK LIGHTS					
●	●	●	●	●	Halogen Lights
▲	▲	▲	▲	▲	LED 1800L
▲	▲	▲	▲	▲	LED 3500L
BOOM					
-	-	●	-	-	Cane Boom
●	▲	-	-	-	Crank Boom
▲	●	-	-	-	Tele Boom
▲	▲	-	-	-	Ext Tele Boom
COUNTER WEIGHT					
▲	▲	●	▲	▲	1 Weight
●	▲	▲	▲	▲	4 Weights
▲	●	▲	▲	▲	6 Weights
▲	▲	▲	●	▲	7 Weights
MISCELLANEOUS					
●	▲	●	●	●	Rear View Side Mirrors <i>(Note: not available if Log Rest Option is selected)</i>
▲	▲	-	▲	▲	Door Proximity Switches
▲	●	-	-	-	Log Rest
▲	▲	▲	▲	▲	Fire Extinguisher Bracket

	225F Crank Logger	225F HP Tele Logger	125F Cane Loader	225F Forklift	
WARNING LIGHTS/INSTRUMENTATION					
●	●	●	●	●	Hydraulic charge filter bypass
●	●	●	●	●	Engine oil pressure
●	●	●	●	●	Engine coolant temperature high
●	●	●	●	●	Hydraulic oil temperature high
●	●	●	●	●	Air cleaner blocked
●	●	●	●	●	Low fuel
●	●	●	●	●	Battery charge
●	●	●	●	●	Cold start
●	●	●	●	●	Park brake active
▲	▲	▲	▲	▲	Reverse Camera
▲	▲	▲	▲	▲	Fleetm@tic®
SWITCHES					
●	●	●	●	●	Ignition (key)
●	●	●	●	●	Hour metre
●	●	●	●	●	Park brake
●	●	●	●	●	Horn
●	●	●	●	●	Interior lights
●	●	●	●	●	Cold start aid
●	●	●	●	●	Battery isolator
SENSORS					
●	●	●	●	●	Low fuel level
▲	▲	▲	▲	▲	Door open proximity switch (if doors are fitted)
●	●	●	●	●	Air cleaner blocked
●	●	●	●	●	Hydraulic charge filter bypass
●	●	●	●	●	Engine oil pressure
●	●	●	●	●	Engine coolant temp
●	●	●	●	●	Hydraulic oil temperature
▲	▲	▲	▲	▲	Reverse alarm
CAB (see page 15 for details)					
●	▲	●	▲	▲	Basic option
▲	▲	▲	●	▲	Cab doors (no glazing)
▲	▲	-	▲	▲	Windscreen and wiper/washer
▲	▲	-	▲	▲	Windscreen and wiper/washer with cab doors (no glazing in doors)
▲	●	-	▲	▲	Full deluxe (full glazing)
LANGUAGE					
●	▲	●	●	●	English
▲	▲	▲	▲	▲	French
▲	●	▲	▲	▲	Spanish

Please note that all information supplied in this brochure is intended to assist the customer in understanding the general applications of Bell Equipment's F-series machines.

Performance information is intended for estimating purposes only. Due to the many variables unique to individual operations such as weather, terrain, ground conditions, operator productivity, etc neither Bell Equipment Company nor its Dealers warrant that the machines described will perform as estimated.

Due to Bell Equipment's policy of constant product improvement, specifications are subject to change without notice.

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