

# LOGGER 101



• Engine net power : 49 kW (66 hp)  
• Operating weight : 5 600 kg (12 346 lbs)  
• Grapple capacity : 0.35 m<sup>3</sup> (542.5 in<sup>3</sup>)

- ENGINE NET POWER : 49 KW (66 HP)
- OPERATING WEIGHT : 5 600 KG (12 346 LBS)
- GRAPPLE CAPACITY : 0.35 M<sup>3</sup> (542.5 IN<sup>3</sup>)



# LOGGER 101

## ERGONOMIC IMPROVEMENTS

Optional sealed operator cabin with air conditioner  
 Reduced cabin heat load  
 Reduced noise levels  
 Front doors with sliding windows  
 Increased cabin head and leg room  
 Suspension seat  
 Cabin access steps  
 Foot pedal supports

## FUNCTIONALITY IMPROVEMENTS

Rubber mounted engine  
 Remote hydraulic tank  
 Hydraulic oil cooler  
 Improved hydraulic filtration  
 Spin-on return filter  
 Improved servicing  
 Improved fill and venting  
 Reduced hydraulic oil capacity

## SAFETY IMPROVEMENTS

Warning horn  
 55w work lights  
 Rotating beacon  
 Rear view side mirrors  
 Lockable fill caps



New frame boom supports



IMPROVED SERVICING



Central greasing point



6 x 55w work lights - front work lights with protective guards



Front doors with sliding windows  
 Rear view side mirrors



Frame integrated fuel tank and hydraulic tanks with lockable filler caps

All dimensions are shown in millimetres, unless otherwise stated between brackets. Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice. Photographs featured in this brochure may include optional equipment.

DESIGNED AND SOLD BY CAMBIUM INTERNATIONAL, INC  
 101 ASHLEY DRIVE  
 CARY, NC 27513

**CAMBIUM**  
 INTERNATIONAL INC.  
 MANUFACTURED IN  
 SOUTH AFRICA

# LOGGER 101

## ENGINE

Configuration F4L912  
 Four cylinder, in-line  
 Aspiration Naturally aspirated  
 Cooling System Air cooled by engine driven fan  
 Net Power 49 kW (66 hp) @ 2 150 rpm to spec DIN/ISO 3046 IFN  
 Max Torque 230 Nm (169 lb ft) @ 1 500 rpm  
 Displacement 3 770 cm<sup>3</sup> (230 in<sup>3</sup>)

## TRANSMISSION

PUMP Vickers TA1919  
 Type Variable displacement, tandem axial piston pump  
 Control Direct linkage via foot pedals  
 Rating: Pressure 31 000 kPa (4 500 psi)  
 e Flow 87 l/min (23 US gpm) @ 2 150 rpm

## MOTORS

Type Eaton 74318  
 Rating: Pressure Axial piston  
 Flow 31 000 kPa (4 500 psi)  
 87 l/min (23 US gpm) @ 2 150 rpm

## WHEELDRIVE

Configuration Bell Series 27  
 Reduction ratio Double planetary reduction in series with Bell planetary  
 Travel speed: reduction 67.77 : 1  
 Tractive effort: (max) 10 km/h (6.21 mph)  
 35.72 kN (8030.175 lbf)

## BRAKES

SERVICE BRAKE Hydrostatic brake  
 Maximum brake force 35.72 kN (8030.175 lbf)  
 PARK BRAKE Spring applied, hydraulic release wet multi disc brake  
 Maximum brake force 40 kN (8 990 lbf)

## WHEELS

FRONT Tyre: Size 23.1 x 26 (16 Ply)  
 Type Forestry Super severe logger LS-2

REAR Tyre: Size 18.00 x 15.5 (14 Ply)  
 Type High Flotation Forestry

Ground pressure (unladen)  
 Front 40 kPa (5.8 psi)  
 Rear 77 kPa (11.17 psi)

## ELECTRICAL SYSTEM

Voltage 12 V 100 Ah  
 Battery capacity 100 Ah  
 Alternator rating 12 V 55 A

## STEERING

Bell treadle control system

## SYSTEM GRAPPLE

Capacity Bell #35 Standard  
 Rotator 0.35m<sup>2</sup> (542.5 in<sup>2</sup>)  
 Heavy duty 5 tonne continuous rotator

## HYDRAULIC

SYSTEM Open centre dual circuit  
 PUMP Vickers 28cc Fixed displacement  
 S Type vane pump

## Application

Flow: Boom  
 60 l/min (16 US gpm) @ 2 150 rpm  
 Pressure: 13 800 kPa (2 000 psi)

Type Bosch 22.5cc fixed displacement gear pump

Application Grapple, rotator & teleboom  
 Flow: 48.41 l/min (12.8 US gpm) @ 2 150 rpm  
 Pressure: 13 800 kPa (2 000 psi)

Type Bosch 19cc fixed displacement gear pump  
 Application Transmission charge & Fan Motor  
 Flow: 34 l/min (9 US gpm) @ 2 150 rpm  
 Pressure: 1 500 kPa (217.55 psi)

## SERVICE CAPACITIES

Fuel 82 l (21.1 US gal)  
 Hydraulic oil 118 l (28.53 US gal)

OPERATING WEIGHT 5 600 kg (12 346 lbs)

## STANDARD EQUIPMENT

Gauge Hourmeter  
 Warning lights Engine oil pressure and temperature  
 Hydraulic oil temperature  
 Alternator charge  
 Combined park brake & low charge pressure

Hydraulic kit, cab and bodywork options  
 General Air intake pre-cleaner - venturi dust extraction  
 Doors/Tropical open

- Log supports
- Hydraulic level sight glass
- Horn
- Large canister exhaust silencer
- Seat belt
- Two exits
- Fuel level sight glasses
- Pre-cleaner - Air
- Air cleaner restriction indicator
- Lighting x 7 - 6 Forward work light and 1 rear
- Rotating beacon light
- Drive pump - Pedal neutral position indicator
- Central greasing main field
- English decal kit
- Bracket supplied only for door mounted
- Fire Extinguisher

## OPTIONAL EQUIPMENT

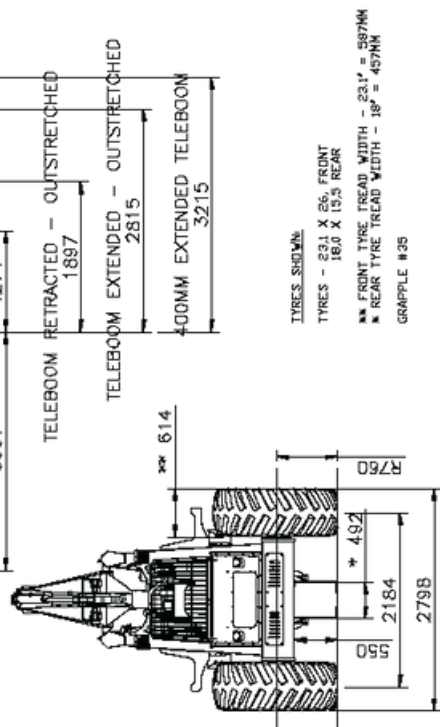
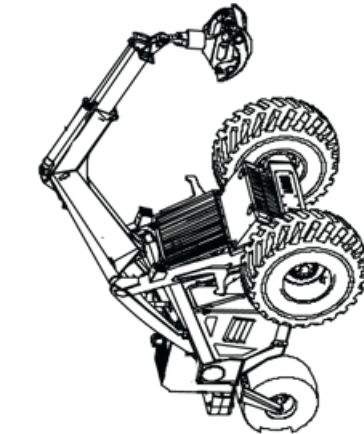
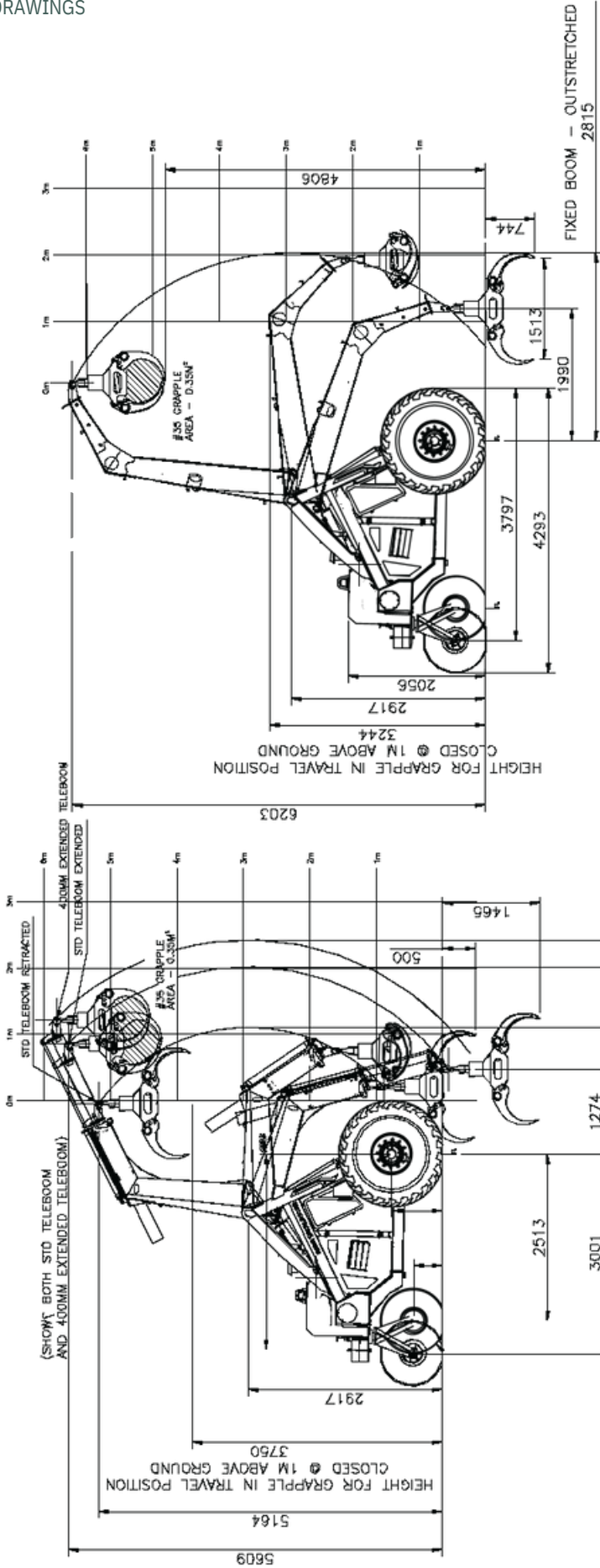
FRONT WHEEL-SET  
 OPTIONS Wheelset kits 18.4 / 15 x 30 (10ply) and 400 x 15.5 (10ply)  
 Attachments Grapple, #43, Rotator, GV 12  
 Boom options Extention teleboom  
 Crank boom

Decals Spanish decal kit  
 Cab options Windscreen (top/bottom) & side door sliding window glass with air conditioner  
 Windscreen wiper and washer

# LOGGER 101

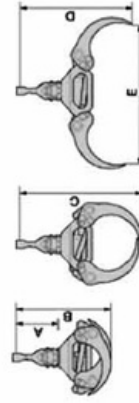
LINE DRAWINGS

## Tele Boom Logger



Safe Working Load on standard 23.1x26 logger tyres	
SWL	Kilograms
Teleboom Outstretched Safe Working Load / Extended	1,037
Teleboom Outstretched Safe Working Load / Retracted	1,688
Crank Boom Outstretched Safe Workings Load	1,037

NOTE: Boom raised off the ground at the height where the load is the furthest away from the front axle.



Grapples	A	B	C	D	E
Series 35	661 (26.02")	1 122 (44.17")	1 502 (59.13)	1 407 (55.39")	1 425 (56.10")
Series 43	661 (26.02")	1 221 (48.07")	1 610 (63.38")	1 463 (57.59")	1 594 (62.75")