



The sense  
of innovation

# XYLOG 600



## Main technical data

- Maximum cutting diameter: 600 mm (23.6")
- Adjustable cutting length: 250 mm (9.8"), 330 mm (13"), 400 mm (15.7") and 500 mm (19.7")
- Cutting length is managed by a mechanical stop, hydraulically retractable during cutting process, not interfering when sawing.
- Maximum power 35 ton with ongoing automatic adjustable speed ISO POWER
- Pusher surface is always oversizing or fitting logs up to 600 mm (23.6") in diameter
- Cutting system " **SUPER CUT** " with chainsaw chain guide
  - Harvester sawhead guide
  - Guide length 820 mm (32.28")
  - Chain type 0.404
  - Automatic tension of the chain
  - Automatic self-lubrication of the chain
  - Hydraulic drive
  - Hydraulic cylinder control
  - Cutting from bottom to top (time saving on small logs)
- Hydraulic wood holding grip during cutting process, possibility to manage log fall with outside ejection. No need for operator to fetch it into the machine.
- Independant clamps to hold wood during cutting whatever wood form. Clamps are always in contact with wood.
- Thanks to clamps armfull wood could be cut. 3 or 4 logs depending on the diameters.
- Cutting zone is separated from splitting zone
- Log is pushed to splitting zone
- Possibility to saw and split at the same time, thanks ISO POWER system.
- Hydraulic cooler with large heat exchanger area
- Hydraulic tank 180 litres (47.5 gal.)
- Splitting wedge with vertical sliding including:
  - 16-way position, with circular knife of 250 mm (9.8") in diameter(diameter between 350 mm (13.8") and 600 mm = 23.6")
  - 8-way (diameter between 200 mm (7.9") and 400 mm = 15.8")
  - 4-way (150 mm to 250 mm, 6 to 9.8")
  - 2-way (0 mm to 200 mm, 0 to 7.9")
- Splitting wedge hydraulically adjustable in height
- Exit chute for logs not to be splitted (maximum 200 mm = 7.9") not passing through splitting wedge
- Machine with manual control with ergonomic single joystick, automatic start of the cylinder after ejection. Position of the joystick starting from platform ground is around 1m30 (4.2')
- Incoming belt conveyor in V-shape (120°) operational length 4 meters, width belt 300 mm (11.8"), allowing a good transfer of the log to cutting zone, even for small length

## Options technical data

### **1) DISCHARGE CONVEYOR 4 Meter WITH ROLLER SPIKES Ref 71750A:**

- Belt with metal bars, hydraulically foldable no offset
- 4 meter long (13´)
- 700 mm wide (27.5")
- Hydraulically adjustable in height
- Exiting splitting area with motorised spike rollers over 700 mm (27.5"), to clear splitted bits and clean them from waste
- Option 1 meter extension (71786A). Total of 5 meter.



### **2) SWIVELLING DISCHARGE CONVEYOR WITH ROLLER SPIKES (for stationary machine) Ref 71756A:**

- Belt with metal bars
- 8 meter long (13´)
- 700 mm wide (27.5")
- Hydraulically adjustable in height from 1.30 m (4.2´) to 5.00 m (16.4´)
- Hydraulic offset with motorized wheels, over 6.00 m (19.7´)
- Exiting splitting area with motorised spike rollers over 700 mm (27.5"), to clear splitted bits and clean them from waste



**3) PLATFORM DECK Ref 71749A:**

- Incoming deck with chains
- Operational length around 2 meter (6.5´)
- Hydraulically foldable for transport
- Operational width 2 m (6.5´), with 3 chains (2 with 800 mm = 31.5", in between and a third one at 1.20 m = 47.2")
- Hydraulic drive

**4) PLATFORM DECK WITH 3 CHAINS (stationnary machine) Ref . 71754A:**

- Incoming deck with 3 chains for log length up to 4.00m maximum (13´)
- Operational length around 8 meter (6 meter + 2 meter, 19.7´ + 6.5´)
- Deck with 2 levels with independant motors to separate easily wood
- Operational width 2 m (6.5´), with 3 chains (2 with 800 mm = 31.5", in between and a third one at 1.20 m = 47.2")
- Hydraulic drive

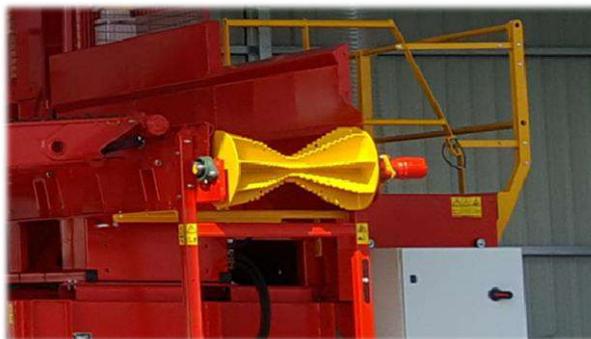


**5) PLATFORM DECK WITH 4 CHAINS (stationnary machine) Ref . 71755A:**

- Incoming deck with 4 chains for log length up to 6.00 m maximum (19.7´)
- Operational length around 8 meter (6 meter + 2 meter, 19.7´ + 6.5´)
- Deck with 2 levels with independant motors to separate easily wood
- Operational width 3.6 m (11.8´), with 4 chains (3 X 1.20 m = 3 x 47.2" between 2 axles)
- Electric drive for 6 m (19.7´) long logs
- Hydraulic drive for 2 m long logs.

**6) LOADING NOTCHED ROLLER (stationnary machine) Ref . 71757A:**

- Loading notched roller in diabolo shape set up in front of incoming belt conveyor in V form
- For logs over 4 meter long (13´).

**7) TRANSFER AXLE Ref . 71747A:**

- Adjustable arrow (3 positions)
- Single axle with wheels 500/50 x 22.5
  - TUBLESS type 16 layers
  - FLOTATION 648 profile
  - Load index for one tyre 158A8 (5060 Kg at 25 Km/h at 3 bars) (11 155 lbs at 15 mph at 43 PSI)
- Speed transfer 25 km/h (15 mph)
- Total weight around 8.5 ton (18740 lbs)
- Hydraulic stand with manual pump
- Ground clearance 410 mm (16.4") at work and at cylinder level of exit conveyor.
- Time for setting up at work for mobile machine is around 8 to 10 minutes including Deck unfolding with stands, exit conveyor and security guard

**8) DRIVE TROUGH TRACTOR'S PTO Ref. 71748A:**

- PTO 540 rpm and 90 HP at PTO, around 110 / 120 HP for tractor
- Hydraulic piston pump LOAD SENSING type, 130 l/min (34 US gpm) for splitting cylinder and wedge adjustment
- A closed circuit pump with variable displacement of 80 l/min (21 US gpm) for sawing (better performance thanks to better efficiency)
- A gear pump of 24 l/min (6 US gpm) for various functions
- A gear pump of 18 l/min (4.8 US gpm) for hydraulic cooler drive
- Multiplier box

**9) DRIVE TROUGH ELECTRIC ENGINE Ref. 71753A:**

- A three-phase electric motor of 55 Kw (75 HP) 400/600 volt
- Speed 1500 rpm
- Hydraulic piston pump LOAD SENSING type, 130 l/min (34 US gpm) for splitting cylinder and wedge adjustment
- A closed circuit pump with variable displacement of 80 l/min (21 US gpm) for sawing (better performance thanks to better efficiency)
- A gear pump of 24 l/min (6 US gpm) for various functions
- A gear pump of 18 l/min (4.8 US gpm) for hydraulic cooler drive
- Electric box to start engine



**10) DRIVE THROUGH DIESEL HEAT ENGINE Ref. 71713B:**

- " DEUTZ" engine, 75 HP/55 kW, *Tier IIIb (Europe),Tier IV (North America)*
- **4 Cylinders, 2.9 L (0.528 US gal)**
- Hydraulic piston pump LOAD SENSING type,130 l/min (34 US Gal/min) for splitting cylinder and wedge adjustment
- A closed circuit pump with variable displacement of 80 l/min (34 US gpm) for sawing (better performance thanks to better efficiency)
- A gear pump of 24 l/min (6 US gpm) for various functions
- A gear pump of 18 l/min (4-5 US gpm) for hydraulic cooler drive
- Water cooling
- Protective soundproof canopy
- 200 Litre diesel tank (53 gal)
- Battery

**11) WEDGE AUTOMATIC POSITIONNING Ref. 71751A COMPULSORY:**

- Splitting wedge will be centered automatically according to the log diameter measured by laser eye sensor.Regulation on control screen as followed:
  - Example :
    - Diameter up to 200 mm (7.9") → 2-way
    - Diameter from 150 mm (5.9") to 300 mm (11.8") → 4-way
    - Diameter from 200 mm (7.9") to 400 mm (15.8") → 8-way
    - Diameter from 350 mm (13.8") to 600 mm (23.6") → 16-way
- Position of the splitting wedge with laser eye sensor
- Integrated "XYLOMETER" wood scaling system allowing better maintenance and adjustment of the machine



**12) SHED WITH CLOTH COVERED PLASTIC  
Ref. 71773A:**

- Shed is mounted on safety guard. Both are folded for the transport.

Ps: Option compatible with the 1m extension outfeed conveyor. An additional valve is fitted by the stairway to control the outfeed conveyor and allowing the safety guard in position.



**13) VACCUM SYSTEM FOR SAWDUST Ref. 71784A:**

- Electric engine 3 phases of 5.5kw for sawdust, diameter of the hoses 400mm



**14) GALVANISE CYCLONE Ref. 71785A :**

- Cyclone diameter of 800 mm without support. Length of rigid pipe 7m max. (Delivered without support)

PS: The support is at your charge



**15) EXTENSION OF 1 METER FOR DISCHARGE CONVEYOR FIXED Ref. 71786A:**

- Conveyor extension of 1 meter long for discharge conveyor 4m (71750A) only. Option compatible with the shed.



**16) DOUBLE CUT SYTEM (Contact us):**

- Automatic positioning of the length stop wood, adjustable on the display
- After the 1<sup>st</sup> cut, the stop wood retract itself by a pressure on joystick button into position for the 2<sup>nd</sup> cut. The 2 logs are eject in the splitting zone in 1 movement. Time saving for small length up to 250mm maximum.  
Length cut possible on 220, 225 and 250mm



## **17) SPIKED ROLLERS ONLY (Contact us):**

- On the wedge output, 5 motorised spike roller repartited into a length of 700 mm to remove the split log and clear logs from waste. Without conveyor.



## **18) HYDRAULIC STAND (mobile version only) Consult us:**

- 4 Hydraulic stand fitted on each corner of the wood processor for better stability. Possibility to have 2 hydraulic stand.

## **19) HYDRAULIC PUMP 36L/min + VALVE TO SUPPLY A CRANE**

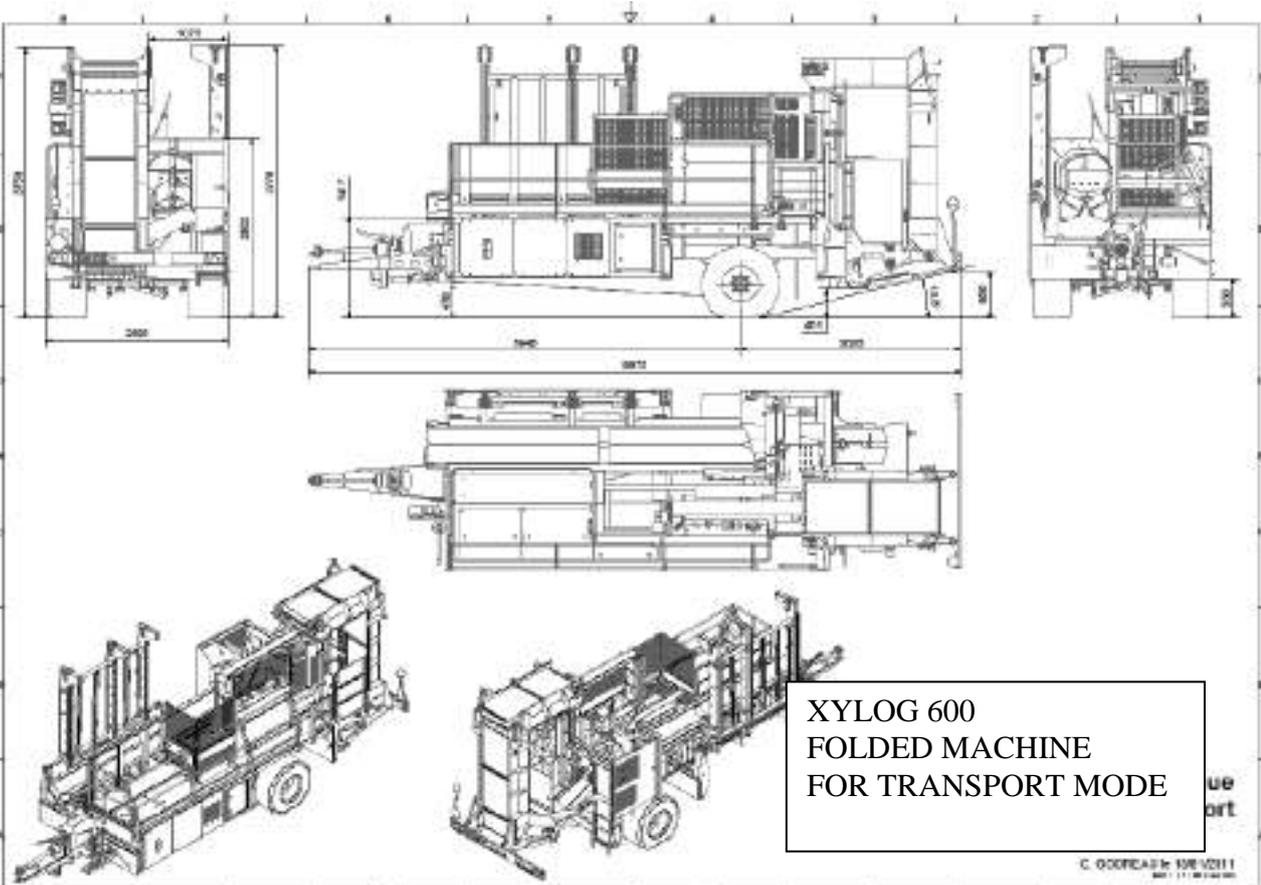
- Additionnal hydraulic line to supply a crane fitted on 3 point linkage of the tractor.

## **20) CRANE OPTION ON 3 POINT LINKAGE OF THE TRACTOR (Contact us):**

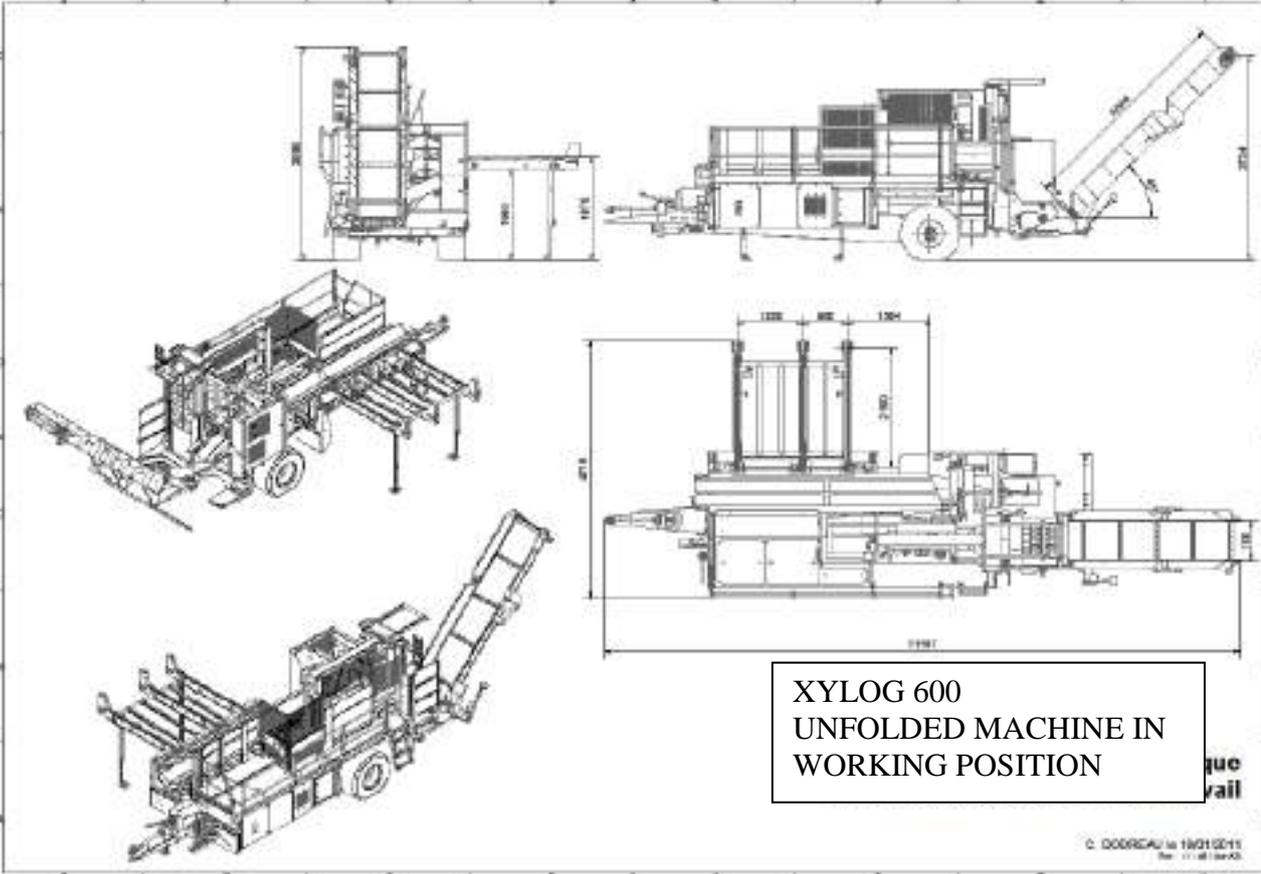
Forestry crane 6.75m or 8m with supports stand.



# Mobile machine overview



XYLOG 600  
FOLDED MACHINE  
FOR TRANSPORT MODE



XYLOG 600  
UNFOLDED MACHINE IN  
WORKING POSITION

Pictures

