



The sense  
of innovation

# XYLOG 800



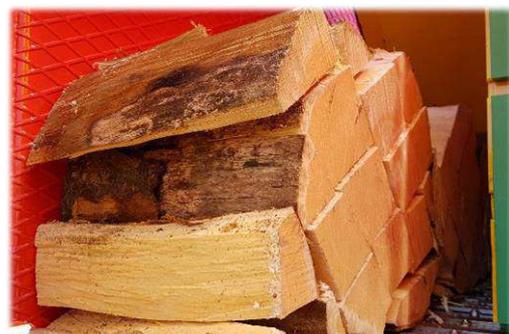
## MAIN TECHNICAL DATA – CUTTING SYSTEM

- Max. cutting diameter: 800mm, (31.5")
- Adjusting cutting length from 250mm (9.8") up to 500mm (19.7"),
- Cutting length is managed by a stop that is adjustable hydraulically, with a pullback when the cutting process is done so that the sawing is not forced,
- For logs up to 200mm (7.9") diameter, the stop pad can be lifted hydraulically for not splitting if necessary, and they can be evacuated by a slide chute, without passing through the splitting zone,
- Cutting device " **SUPERCUT** " by guide bar of chainsaw
  - Wood harvesting head guide
  - Guide length: 1 130 mm (3.7´)
  - Chain type 0.404
  - Automatic tensioning of the chain
  - Self-lubrication of the chain (6ml by cycle)
  - Hydraulic drive
  - Hydraulic ram for control
  - Cutting process is performed from the bottom upwards (saves time for the small logs)
- Hydraulic clamp for holding the log while being cut. Possible to manage the falling with ejection, so no action needed from the user
- 3 independent clamps for holding the log when cutting. No matter the shape of the wood, the clamps are in contact with it
- Evacuation of the log to the splitting zone with a hydraulic ejector
- Hydraulic cooling system, drive through an electric motor 0.23Kw
- Feeding conveyeur with two belts 440mm (17.3") wide set in V shape, 4.00m (13´) long (usable length), for a good loading of the logs towards the cutting area, even the short logs
- The machine is controlled by a single ergonomic lever, with a control and adjusting
- A three-phase motor 7 KW (50 HP) 400/600 Volt (1500 rpm)
- Speed controller (energy gain thanks to the soft start, speed 2000 rpm)
- Open center piston pump with variable flow of 80 L/min (21 US gal), for the sawing process
- Electro-valves with proportional controls
- Electric box for motor start
- Platform for better access
- Machine complies with CE regulations



## SPLITTING SYSTEM

- Splitting system with two independent blades, with 3 independent pinch rollers for a good holding of the logs.
- Splitting power : 16-ton by blade.
- ISO POWER system on the blades, for managing the speed of them according to the power required.
- XYLOMETER, wood scaling system.
- On the splitting zone, metal conveyor with an adjustable forwarding system step-by-step from 50 (1.9") up to 200mm (7.9") (wood size).
- Primary conveyor, 3.00m (9.8´) long willing to be used as a buffer store before feeding.
- A 3-phase motor 37 KW (50 HP) 400/600 Volt (1 500 rpm)
- Speed controller (energy gain thanks to the soft start)
- 2 hydraulic piston pumps LOAD SENSING type and 82 L/min. 21.6 US gpm, for splitting and forwarding
- Gear pump 17 L (4.5 US gal) for the cooler, discharge conveyor and and adjusting of the pressor
- Electric box for motor start
- Around 8 cycles per minute for 500 mm (19.7") long logs, and 10 cycles for 330 mm (13") long logs
- Positions of the blades are adjusted according to the cutting length, so there is no dead zone for the splitting
- Platform for a better access
- Machine complies with CE regulations



## DISCHARGE CONVEYOR

- Belt with metal bars
- 8.00 m long (26.2´)
- 700 mm wide (27.5")
- Height hydraulic adjustment from 1.30 m (4.2´) up to 5.00 m (16.4´)
- Hydraulic tilting by motor-controlled wheels, range of around 6.00 m (19.7´)



## LOADING DECK WITH 3 CHAINS

- Loading deck with 3 chains, for logs of 4.00 m (13´) long max.
- Usable length, around 8.00 m (26.2´)
- Deck with two levels with independent motor,
- Usable width 2.00m (6.5´), with 3 chains (2 at 800mm = 31.5" of distance between axle, and the 3rd is at 1.20 m = 47.2")
- Hydraulic drive



## LOADING DECK WITH 4 CHAINS

- Loading deck with 4 chains, for 6.00m (19.7´) long logs maximum
- Usable length, 8 m (26.2´)
- Deck with two levels with independent motor, for logs sortation
- Usable width 3.20 m (10.5´), with 4 chains (2 X 1.20 m = 47.2" of distance between axle and 1 x 0.80m = 31.5" of distance)
- Three-phase electric drive (7.5Kw)



## LOADING ROLLERS (with deck 4 chains)

- Motorized rollers in diablo shape, fitted in front of the feeding conveyor with V-shaped belts.
- Designed for logs of more than 4.00m (13´) long.



## OPTION SHED FOR USER

- Walls in sandwich panels of 40mm (1.5")
- Door in simple aluminium of 0.90cm (35.4")
- 3 PVC windows, 2.00m (6.5´) wide (open ½ and fixed ½) and 1.20M (3.9´) high, fitted on 3 sides of the prefab, for a good visibility at work
- Electric heating
- Aeration grid
- Lighting
- 2 power sockets 220 Volt
- Seat for the user (with the single lever + control screen)
- Cameras with control screen, towards the sawing and the splitting processes



## OPTION SAWDUST SUCTION

- Turbine with 3-phase electric motor 7.5Kw
- Catch with holds
- Flexible hose for suction (diameter 250mm = 9.8")
- Steel discharge pipes, diameter 250mm (9.8"), 1.00m long with retainer (number of items is to be defined according to the building)
- Strong steel elbows (number of items is to be defined according to the building)
- Cyclone separator for parting air and sawdust



PICTURES



# WOOD PROCESSOR



# COMPREHENSIVE PLAN (without output conveyor)

