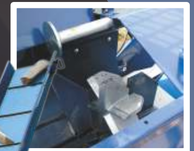
RCA 380

Enables cutting logs with a diameter of up to **25 cm** and the splitting of sawn logs to a length of between **25 to 50 cm.**

The foldable infeed conveyor - 2 m

The height of the splitting wedge is adjusted with the holder to best fit the size of the cut log.

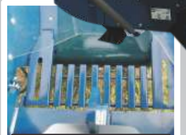
Strong support of splitting wedge



RCA 380 has a length limiter to be set from 25-50 cm at 5 cm stages. During the infeed process, the lenght limiter plate aproaches the log to be cut for approx.5 cm and returns to its initial position after the infeed process is completed. This is to ensure the cut log to fall into the chute correctly without interfering with the sawbar.

Discharge conveyor (4m):

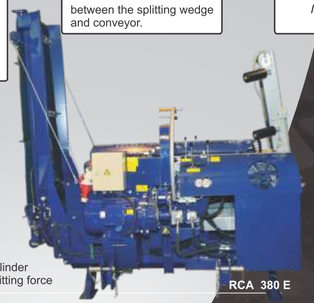
two stage telescope with automatic hydraulic belt straining.
Continuous speed control of the conveyor belt.



Lattice for sawdust

between the splitting wedge and conveyor.

Conveyor lifting /lowering winch



One splitting cylinder with 150 kN splitting force

RCA 380 E

Hydraulic Output

Manometer

Strong frame

Two oil pumps

Technical Specification RCA 400joy and **RCA 380**

Length of Cut Log: 25 - 50 cm
Max. Diameter of Log: 5 - 40 cm
10 - 38 cm
Sawbar: Oregon 17˝, b=1,5 mm
Chain : 3/8˝ Oregon MULTICUT
Splitting Force: 150 kN - two splitting speeds
Length, Width, Height (Working Position): 140 cm x 610 x 315 (at 45° incline of the conveyor)
140 cm x 610 x 307 (at 45° incline of the conveyor)
Length, Width, Height (Transport Position): 140 cm x 235 (*232) x 248 (*221)
140 cm x 235 (*232) x 236 (*221)

***for container transport**
Weight with Discharge Conveyor: 950 kg + 130 kg
900 kg + 130 kg
Necessary Tractor Capacity: 30 kW (60 kW - for transport)
Inbound P.T.O. Shaft Speed: 430 min^{-1}

Discharge Conveyor

Two stage telescope with automatic hydraulic belt straining

Length: 4 m
Width: 43 cm
Speed: Continuous speed control of the conveyor belt; 0 - 0,8 m/s
Weight: 130 kg

Log Loader DM 1511:

Lifting Power: 4500 N
Length, Width, Height: 184 x 130 x 90 cm
Weight: 160 kg

Technical Data RN 3000

Drive: RCA hydraulic system
Control: RCA controls
Dimensions: 5440 x 2010 x 1495 mm (L x W x H)
Weight: 700 kg
Max. Dim of Processed Logs: 6 m
Stock Deck Capacity: 3 t / up to 4 m^3

RCA 380 E

Power unit: 11 kW, E - engine: 400 V/50 Hz, 2.910 min^{-1}
Weight with discharge conveyor: 1.100 kg + 130 kg

EP 12 - separate el.power unit (+12V - 25A)

Power unit: 11 kW, 380V, 1.500 min^{-1}
Inbound P.T.O. shaft speed: 430 min^{-1}
Weight: 197 kg

Sawdust extractor fan XE 10 (Hy)

With el. Engine (XE 10): 1,1 kW, 230 V
With hydraulic motor (XE 10 Hy):
Necessary hydraulic oil flow (optimal): 20 l/min
Maximum hydraulic oil flow: 60 l/min
RPM: 2860 min^{-1} (XE 10); ~2700 min^{-1} (XE 10 Hy)
Preassure tube diameter: Ø 120 mm
Weight: 39 kg (XE 10); 37 kg (XE 10 Hy)

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TAJFUN®

FIREWOOD PROCESSORS

RCA

380, 400 JOY

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RCA 400 joy

Enables cutting logs with a diameter of up to **40 cm** and the splitting of sawn logs to a length of between **25 to 50 cm.**

The foldable infeed conveyor (2m)

Enables the forwarding of long and heavy logs

Hydraulic log holder

With the log holder, the log is kept in the steady position and prevented from (over) turning, which also enables the right fall of the last piece into the splitting chute.

The chain saw
With high cutting speed 25m/s (12.000 min-1)
Cutting with the chain saw is quick and secure, the maintenance is easy.

The cutting chain stops once cutting is complete (with the help of the clutch).

Swinging Laps

Two swinging laps remain in the horizontal position during cutting. Once the log is cut, the laps open and the log falls into the splitting chute.

Joystick - ergonomic and simple control

All basic function buttons of the machine (left and right loading, cutting, setting of the splitting wedge height, etc.) are located on one single control stick.

Hydraulic Lenght Limiter

The lenght limiter is set from 25-50 cm at 5 cm stages.

Strong Frame

Discharge conveyor (4m):

two stage telescope with automatic hydraulic belt straining. Continuous speed control of the conveyor belt. Adjustable conveyor speed button - on the operator´s side

Option-RCA 400 joy TG with the slewing discharge conveyor
The conveyor has the possibility to move at an angle of 15°to the left and to the right , which enables filling of three pallets.

Lattice for sawdust

between the splitting wedge and conveyor.

Conveyor lifting /lowering winch

PATENTED SPLITING CYLINDER WITH 150 KN SPLITTING FORCE AND 2 SPLITTING SPEEDS
The quicker stage cycle »splitting and return of the cylinder« takes 2,7 sec . In case higher splitting force is needed,, the machine switches into the lower speed automatically.

RN 3000
2 possibilities - mobile or stationary

Live log deck RN 3000 gives you continuous and efficient log access for your firewood processor to make the complete operation of log processing smoother and the processor more productive.

LOG LOADER DM 1511 is foldable and can be simply transported with the RCA
Log lifting control - on the operator´s side, Remote control - optional

with metal ribs

with rubber rollers

4-way splitting wedge

6-way splitting wedge

8-way splitting wedge

Strong support of splitting wedge

Hydraulic lift of splitting wedges made of Hardox 450

TRANSPORT POSITION of the FIREWOOD PROCESSOR

The infeed conveyor and the discharge conveyor lean against the machine and are fixed in this position.
The firewood processor is ready to be linked to the tractor with the three point linkage system.

Hydraulic clutch

PROTECTING ROOF

Manometer + double pumps

Hydraulic Output for DM or RN

Main Cover
With the opening of cover all basic functions stop.

Controls for log loader or RN, conveyor belt; STOP function

Oil cooler - STANDARD
Ensuring reliable operation of the machine at higher temperatures

Sawdust extractor fan XE 10
Motor: 1,1 kW, 230 V; 2.800 min^{-1}

Sawdust extractor fan XE 10 Hy