



From 1977...

MAKE INNOVATION IS OUR PASSION

MAGIKA

» 12-16-18 TON *Universal*



CUT - SPLIT - LOAD

ONE MACHINE

3

DIFFERENT TASKS



One machine... for three different tasks!



MAGIKA » UNIVERSAL 12 TON

The 12 ton version comes standard
with a pair of 60-90 rollers
mounted on the log infeed conveyor.

For the discharge of the logs after cutting and splitting
you can choose between a vibrating extension or a conveyor belt.

On both versions the different work processes,
lowering the chainsaw bar and carrying out the
splitting cycle, are manually controlled.



Alternatively, on some models a joystick control
can be fitted.





CUT



SPLIT



LOAD



03

MAGIKA [»] UNIVERSAL 16-18 TON

The 16 or 18 ton versions are supplied with the following components as standard:

- foldable hydraulic infeed conveyor with belt for log handling before cutting
- hydraulic tilting table for automatic rollover of the logs to be split into the splitting channel
 - hydraulic adjustment of the splitting knife
 - digital hour counter

For discharging the logs after cutting and splitting, you can choose between a vibrating extension or a conveyor belt.

The conveyor belt for discharging the wood after splitting can be chosen from the following options:

- hydraulic conveyor belt **m 2.50 x 0.30** = unloading height **2.10 m**
- hydraulic conveyor belt **m 4.00 x 0.25** = unloading height **2.40 m**
- hydraulic conveyor belt **m 5.00 x 0.25** = unloading height **3.10 m**

Note: the 4 or 5 m conveyor belts can only be mounted on tractor or Kombi versions attached to the 3-point linkage of the tractor.



At the end of the work, it is easy to handle and space-saving to pick up in stock.



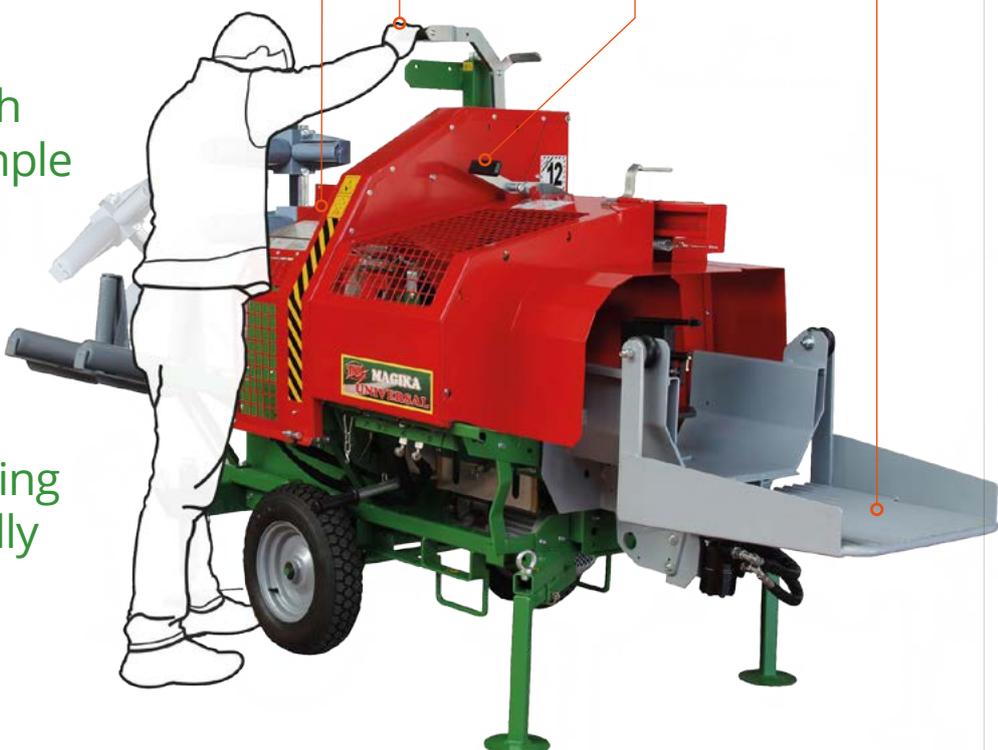
The practical frontal position of the various hydraulic control levers facilitates access

Lever for the manual control of the chainsaw bar

Opening handle of the sliding protection cover

Vibrating sieve extension

The rear log support and the extension with vibrating sieve are simple and easy to mount. The loading platform is frontally open, at a height of 70 cm from the ground, and the working controls (cutting and splitting) are ideally positioned and easy to manoeuvre.



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05



A handle for tilting the logs into the splitting channel is situated under the splitting table.

The manual handling of twisted logs and other trunks, which are difficult to process, is facilitated by the ideal work surface and the convenient sliding protection cover.



Even with the 2.5 x 0.30 m conveyor belt for discharging heights up to 2.1 m, the machine can be easily moved by hand thanks to the pivoting jockey wheel mounted on the trailer drawbar. The conveyor belt can be adjusted in height and, at the end of the work, folded and then locked in the transport position.



ACCESSORY:
Hydraulic log lift

16 ton Road:
Item No. 815.178.K



ACCESSORY:
Log loading deck

12 ton:
Item No. 815.209.K



16/18 ton:
Item No. 815.204.K



The **MAGIKA ROAD** model, designed for road transport, is equipped with a handy $\varnothing 50$ ball coupling and overrun brake on the drawbar. The large wheels are mounted on an axle with elastic suspension. The rear light bar can be easily removed during work.

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12-16 TON ROAD



ACCESSORY:
Spare tire

12 ton:
Item No. 200.210.K

16 ton:
Item No. 200.220.K



The machine versions with PTO 450 rpm pump or Kombi drive are fitted with a 3-point linkage and can be easily transported on public roads.

*Overall width :
2.35 m (12 ton) 2.5 m (18 ton)*

MAGIKA *Universal*



Climbing speed adjustment for the log lifter

The hydraulic log lifter as well as the loading deck (optionals) greatly facilitate work before cutting.



Light bars and signposts can be easily attached and removed from the structure and are supplied as an option
(Item No. 400.112.K)

ACCESSORY:

Light bar

Item No. 400.112.K



09



ACCESSORY:

Log loading deck

12 ton:

Item No. 815.209.K

16/18 ton:

Item No. 815.204.K



12-16-18 TON TRACTOR / KOMBI

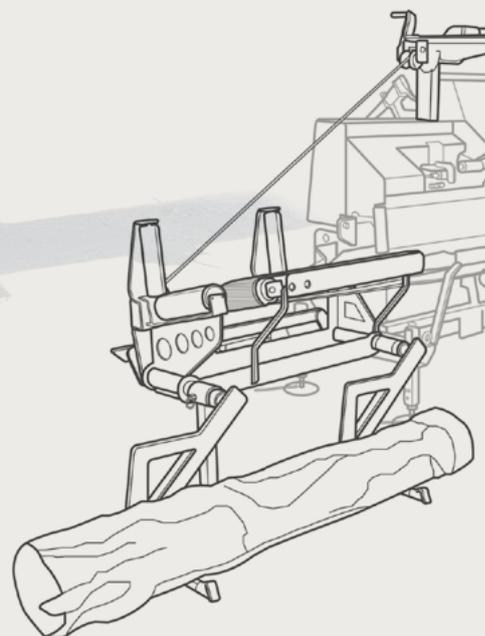


ACCESSORY:

Hydraulic log lift

12 ton: **Item No. 815.210.K**

16/18 ton: **Item No. 815.178.K**



MAGIKA [»] UNIVERSAL

12 TON

Carter for covering the chainsaw bar

Manual control lever for the chainsaw bar

Chain lubrication oil tank integrated in the machine frame (filling point and level dipstick) and centering support for the folded 2.5 m conveyor belt

Lifting hook with support (Optional)

Electrical switch with phase change and emergency button (for electric versions)

Log support bar with a pair of rollers Ø 60-90

Additional pair of rollers Ø 60-90 (Optional)

Adjustable support foot

Cutting table with infeed rollers for easy handling of the logs

Hydraulic lever for switching on the hydraulic motor of the chainsaw and lowering the fixing clamp

Hydraulic clamp for log fixing during cutting

16" chainsaw bar 40 cm and chain 3.25" x 68 links

Two-hand control for the log splitter

Opening handle for the sliding protection cover

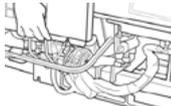
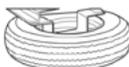
2-4 parts splitting knife (Optional knife for 2-6 parts)

Setting and checking of the cutting length cm 25-30-33-40-50

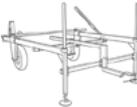
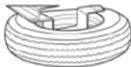
Vibrating rear extension for removal of splinters and wood residues

Handle for manual operation of the rocker plate for tilting the logs into the splitting channel

OPTIONAL ACCESSORIES

MAGIKA UNIVERSAL		Model	Item No.	PRICE
Lifting hook with support		12 ton	845.201.KM	
Splitting wedge 2-6 parts		12 ton	815.180	
Welded support with pair of rollers Ø 60-90		12 ton	815.110.K	
Hydraulic splitting wedge adjustment		12 ton	815.201.K	
Hydraulic log lift		12 ton HVP	815.210.K	
Log loading deck with wheels		12 ton	815.209.K	
Light bar and signposts		12 ton HVP	400.112.K	
Spare tire with holder		12 ton Road	200.210	
Digital hour counter		12 ton	400.113.K	
Chain oil (5 lt canister)		12 ton	OIL.PA.012	
Galvanized frame for big bag (to be assembled)		12 ton	125.006.ZB	
Ventilated big bag for 1.5 m ³		12 ton	125.007	
16" chainsaw bar with 1.5 mm guide		12 ton	700.313	
Cutting chain 3.25" x 68 links		12 ton	700.317	

OPTIONAL ACCESSORIES

MAGIKA UNIVERSAL		Model	Item No.	PRICE
Lifting hook with support		16 - 18 ton	845.201.KM	
Splitting wedge 2-6 parts		16 - 18 ton	815.180	
Welded support with pair of rollers Ø 60-90		16 - 18 ton	815.110.K	
Hydraulic log lift		18 ton V.PF, Kombi	815.178.K	
Log loading deck with wheels		16 - 18 ton	815.204.K	
Light bar and signposts		V.PF, Kombi	400.112.K	
Spare tire with holder		16 ton Road	200.220	
Digital hour counter		16 - 18 ton	400.113.K	
Chain oil (5 lt canister)		16 - 18 ton	OIL.PA.012	
Galvanized frame for big bag (to be assembled)		16 - 18 ton	125.006.ZB	
Ventilated big bag for 1.5 m ³		16 - 18 ton	125.007	
16" chainsaw bar with 1.5 mm guide		16 - 18 ton	700.313	
Cutting chain 3.25" x 68 links		16 - 18 ton	700.317	

MAGIKA [»] UNIVERSAL

16-18 TON

CUT

SPLIT

LOAD



One machine...
for three different tasks!

Manual winch for positioning of the foldable infeed conveyor (before cutting)

Chain lubrication oil tank integrated in the machine frame (filling point and level dipstick) and centering support for the folded 2.5 m conveyor belt

Manual winch for positioning of the discharging conveyor (for unloading the split wood)

Pressure gauge for monitoring the pressure in the hydraulic system

Manual control lever for the chainsaw

Two-hand control for the log splitter

Opening handle for the sliding protection (wood splitter cover)

Hydraulic control lever for log infeeding, chainsaw and clamp

Hydraulic log lift (Optional)

Setting and checking of the cutting length cm 25-30-33-40-50

Hydraulic conveyor belt (foldable for transport)

Hydraulic oil tank

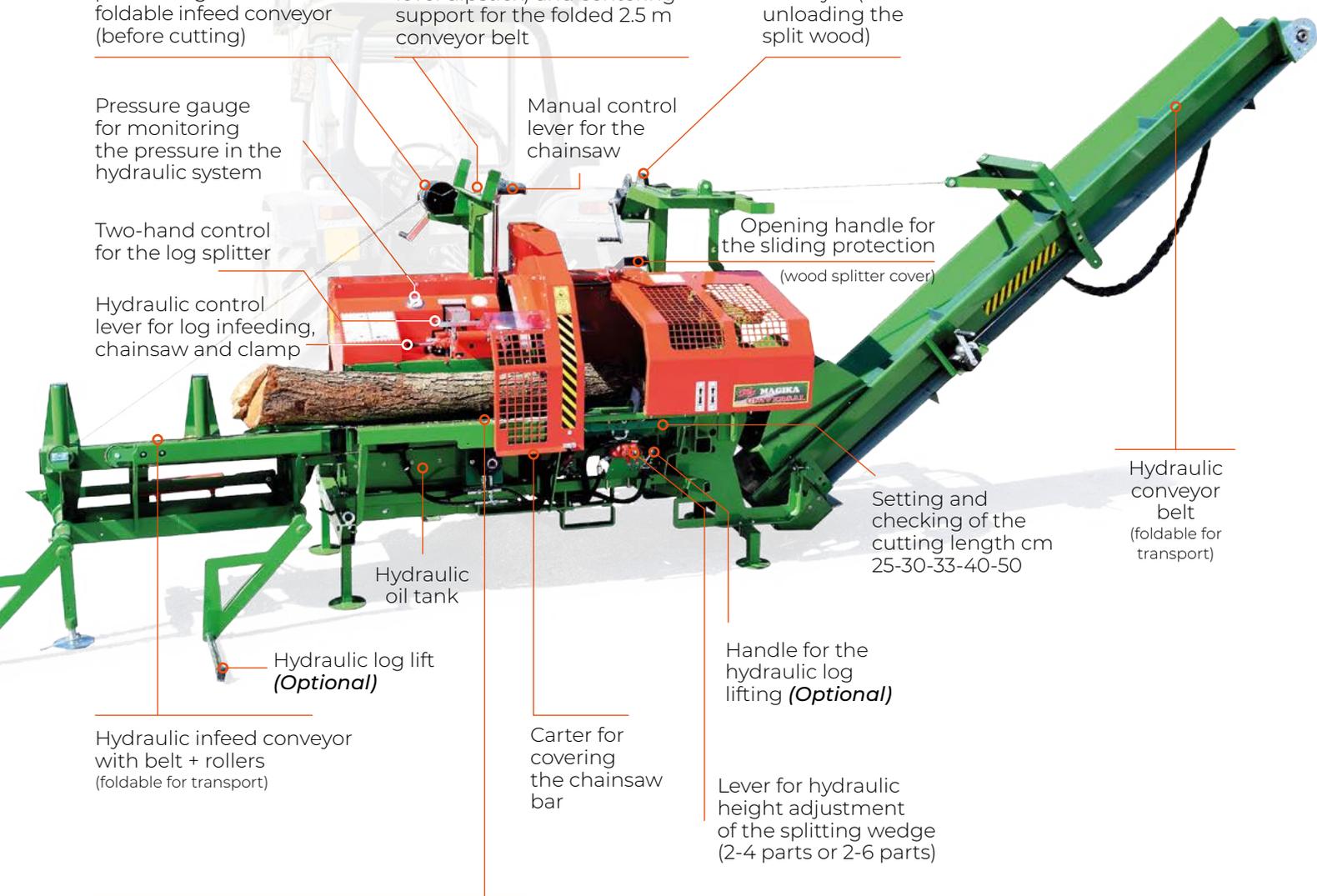
Handle for the hydraulic log lifting (Optional)

Hydraulic infeed conveyor with belt + rollers (foldable for transport)

Carter for covering the chainsaw bar

Lever for hydraulic height adjustment of the splitting wedge (2-4 parts or 2-6 parts)

Log support table for cutting process



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THE DETAILS..

12-16-18 TON

HYDRAULIC MANUAL Version



Chain oil filling point and level dipstick
in an easily accessible position



Rollers on the cutting table to make it easier to feed and hold the logs during the sawing process (12 ton)



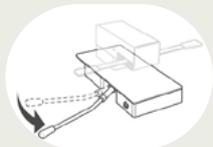
Rollers and belt
for log feed before cutting (16-18 ton)



Length measurements for cutting the trunk end pieces/
hydraulic clamp for safe clamping during cutting



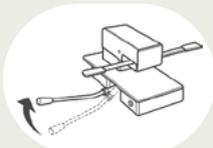
Hydraulic sockets for optional applications inserted into the structure of the machine (16-18 ton)



Left lever pulled towards the operator: **lowers the clamp and starts the hydraulic motor of the chainsaw**



Left lever towards the operator + right upper lever lowered at the same time: **moves the chainsaw bar downwards**



Left lever pushed towards the machine casing:
- **frees the clamp** (12-16-18 ton)
- **the feeding belt moves forwards** (16-18 ton)



Two-hand hydraulic control:
safe and functional for splitting operations and automatic return



Manual handle of the rocker plate for tilting the logs to be split into the splitting channel (12 ton)



Hydraulic lever for:
- **height adjustment of the wedge** (16-18 ton)
- **log lift handling** (16-18 ton)

MAKE THE DIFFERENCE

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Machine versions with **JOYSTICK**

Joystick control together with green consent button:

- move the chainsaw bar downwards
- allow safe splitting and automatic return

Joystick control:

- moves the infeed belt before cutting
- by pressing one of the buttons on the joystick keypad, the log lifter is raised and lowered
- by pressing one of the buttons on the joystick keypad, the splitting wedge is raised and lowered

Emergency button

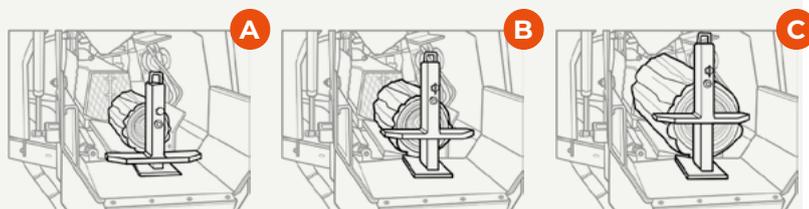
for system blocking

Downward speed adjustment

of the chainsaw bar



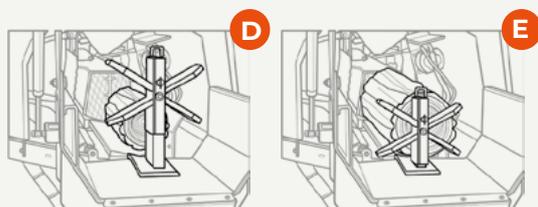
SPLITTING KNIVES



The **cross cutter**, which is normally supplied as standard (**item no. 815.006**), can be adjusted into 3 positions:

- A)** split in 2 parts - small size logs
- B)** split in 4 parts - medium size logs
- C)** split in 4 parts - large size logs

ATTENTION! With the cross cutter knife, the maximum cutting diameter is limited to 30 cm



The **6-blade cutter**, which is normally supplied as an optional (**item no. 815.180**), can be adjusted into 2 positions:

- D)** split in 2 parts - small size logs
- E)** split in 6 parts - large size logs

MAGIKA UNIVERSAL - 12 TON

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Item No. model	M.32.205/B	M.32.207/B	M.32.206/B	MRF.32.208/B
Power supply EL = electric motor, VS = petrol engine, HVP/V.PF = tractor, RF = road	EL 400 Volt	HVP 450 rpm	VS Petrol engine	VS/ROAD Petrol engine
Power required and installed (Hp/kW)	7.5 / 5.5	30 / 32	14 / 10.4	14 / 10.4
Manual controls for cutting and splitting (automatic return)	■	■	■	■
Joystick control for all functions	---	---	---	---
Splitting force	12 ton	12 ton	12 ton	12 ton
Working pressure (bar)	230	250	230	250
Push hydraulic cylinder with max splitting length of 650 mm	Ø 80 piston Ø 45			
Hydraulic pump: PS = single PD = double	PD x 30 lt	PS x 20 lt	PS x 20 lt	PS x 8 lt
1 st splitting speed (cm/sec) / Related splitting force (ton)	13.9 ~ / 12	9 ~ / 12	9.6 ~ / 12	9.6 ~ / 12
2 nd splitting speed (cm/sec) / Related splitting force (ton)	34 ~ / 5 ~	28.3 ~ / 5 ~	30.2 ~ / 5 ~	30.2 ~ / 5 ~
Return speed (cm/s)	20.4 ~	13.1 ~	14 ~	14 ~
Max. workable dia. with 2-4 blade cutter (cm) - standard	30 cm	30 cm	30 cm	30 cm
Max. workable diameter with 2 - 6 blade cutter (cm) - optional	* 32 cm	* 32 cm	* 32 cm	* 32 cm
Chainsaw bar	16" - 40 cm			
Cutting chain mounted (type)	3.25" x 68 links			
Chain speed (m/s)	9 ~	9 ~	9 ~	9 ~
Automatic chain lubrication every cycle	■	■	■	■
Cutting length adjustment (cm) with automatic hydraulic deviation	25 > 50	25 > 50	25 > 50	25 > 50
Hydraulic log clamp (for ø cm)	5 > 32	5 > 32	5 > 32	5 > 32
Chain oil tank capacity (lt. 3.5)	■	■	■	■
Hydraulic oil tank + system (total lt. 40)	■	■	■	■
Hydraulic sockets 1/2" f. (No. 2 mounted on rear side)	□	□	□	□
Manual knife adjustment	■	■	■	■
Hydraulic knife adjustment	* 815.201.K	* 815.201.K	* 815.201.K	* 815.201.K
Loading and working height from the ground (cm)	70	70	80	80
Hydraulic oscillating table (for tilting the logs to be split)	*	*	*	*
Log support extension with 1 pair of rollers ø 60 - 90	■	■	■	■
Hydraulic log feed with belt + rollers, foldable	*	*	*	*
3-point linkage 1 st - 2 nd cat. (with pump for PTO 450 rpm)	□	■	□	□
Elastically suspended axle with pneumatic wheels 165-70-R13	□	□	□	■ (x 80 km/h)
Axle with suspension / capacity	□	□	□	■ (max 1000 kg)
Drawbar with ø 50 ball coupling and overrun brake	□	□	□	■ (x 80 km/h)
Manual parking brake	□	□	□	■
Pivoting jockey wheel	□	□	□	■
Lighting bar for road transport	□	* 400.112.K	□	■
Road homologation	□	□	□	*
Hydraulic belt m 2.50 x 0.30 - Loading height m 2.10	■	■	■	■
Hydraulic belt m 4.00 x 0.25 - Loading height m 2.40	* 815.226.K / 815.257.K	* 815.226.K / 815.257.K	* 815.226.K / 815.257.K	□
Hydraulic belt m 5.00 x 0.25 - Loading height m 3.10	* 815.227.K / 815.258.K	* 815.227.K / 815.258.K	* 815.227.K / 815.258.K	□
Total weight with belt 2.50 m (approx.)	680 kg	669 kg	675 kg	850 kg
Total weight with belt 4.00 m (approx.)	835 kg	824 kg	830 kg	---
Total weight with belt 5.00 m (approx.)	857 kg	846 kg	852 kg	---
Price				

Legend: ■ included as standard // □ Not available // * Optional

MAGIKA UNIVERSAL - 16-18 TON

Item No. model	M.38.202/B	M.38.202/BJ5	M.38.203/B	MRF.38.200/B
Power supply EL = electric motor, VS = petrol engine, HVP/V.PF = tractor, RF = road	V.PF 450 rpm	V.PF 450 rpm with joystick control	Kombi (V.PF-EL 400 Volt 7.5 Hp 5.5 kW)	VS/ROAD Petrol engine
Power required and installed (Hp/kW)	50 / 37	50 / 37	50 / 37 + 7.5 / 5.5	22 / 16.40
Manual controls for cutting and splitting (automatic return)	■	---	■	■
Joystick control for all functions	---	■	*	*
Splitting force	18 ton	18 ton	16 ton	16 ton
Working pressure (bar)	280	280	250	250
Push hydraulic cylinder with max splitting length of 650 mm	Ø 90 piston Ø 60	Ø 90 piston Ø 60	Ø 90 piston Ø 60	Ø 90 piston Ø 60
Hydraulic pump: PS = single PD = double	PS x lt. 20	PS x lt. 20	PS x lt. 20 / PD x lt. 30	PS x lt. 9
1 st splitting speed (cm/sec) / Related splitting force (ton)	7~ / 18	7~ / 18	7.9~ / 16 - 11~ / 16	8.5~ / 16
2 nd splitting speed (cm/sec) / Related splitting force (ton)	15.7~ / 8	15.7~ / 8	18~ / 7 - 24.8~ / 7	19.1~ / 7
Return speed (cm/s)	12.6~	12.6~	14~ - 19.8~	15.3~
Max. workable dia. with 2-4 blade cutter (cm) - standard	30 cm	30 cm	30 cm	30 cm
Max. workable diameter with 2 - 6 blade cutter (cm) - optional	* 38 cm	* 38 cm	* 38 cm	* 38 cm
Chainsaw bar	16" - 40 cm	16" - 40 cm	16" - 40 cm	16" - 40 cm
Cutting chain mounted (type)	3.25" x 68 links	3.25" x 68 links	3.25" x 68 links	3.25" x 68 links
Chain speed (m/s)	9 ~	9 ~	9 ~	9 ~
Automatic chain lubrication every cycle	■	■	■	■
Cutting length adjustment (cm) with automatic hydraulic deviation	25 > 50	25 > 50	25 > 50	25 > 50
Hydraulic log clamp (for ø cm)	5 > 38	5 > 38	5 > 38	5 > 38
Chain oil tank capacity (lt. 3.5)	■	■	■	■
Hydraulic oil tank + system (total lt. 40)	■	■	■	■
Hydraulic sockets 1/2" f. (No. 2 mounted on rear side)	■	■	■	■
Manual knife adjustment	□	□	□	□
Hydraulic knife adjustment	■	■	■	■
Loading and working height from the ground (cm)	70	70	70	80
Hydraulic oscillating table (for tilting the logs to be split)	■	■	■	■
Log support extension with 1 pair of rollers ø 60 - 90	□	□	□	□
Hydraulic log feed with belt + rollers, foldable	■	■	■	■
3-point linkage 1 st - 2 nd cat. (with pump for PTO 450 rpm)	■	■	■	□
Elastically suspended axle with pneumatic wheels 165-70-R13	□	□	□	■ (x 80 km/h)
Axle with suspension / capacity	□	□	□	■ (max 1350 kg)
Drawbar with ø 50 ball coupling and overrun brake	□	□	□	■ (x 80 km/h)
Manual parking brake	□	□	□	■
Pivoting jockey wheel	□	□	□	■
Lighting bar for road transport	* 400.112.K	* 400.112.K	* 400.112.K	■
Road homologation	□	□	□	*
Hydraulic belt m 2.50 x 0.30 - Loading height m 2.10	■	■	■	■
Hydraulic belt m 4.00 x 0.25 - Loading height m 2.40	* 815.226.K / 815.257.K	* 815.226.K / 815.257.K	* 815.226.K / 815.257.K	□
Hydraulic belt m 5.00 x 0.25 - Loading height m 3.10	* 815.227.K / 815.258.K	* 815.227.K / 815.258.K	* 815.227.K / 815.258.K	□
Total weight with belt 2.50 m (approx.)	1060 kg	1000 kg	1110 kg	1200 kg
Total weight with belt 4.00 m (approx.)	1215 kg	1150 kg	1250 kg	---
Total weight with belt 5.00 m (approx.)	1237 kg	1172 kg	1272 kg	---
Price				

Legend: ■ included as standard // □ Not available // * Optional

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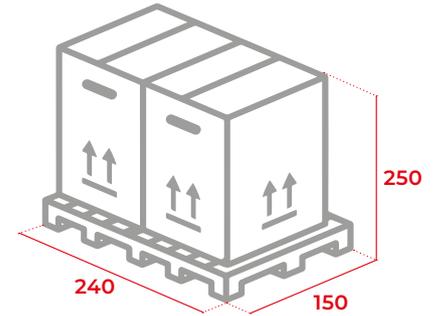
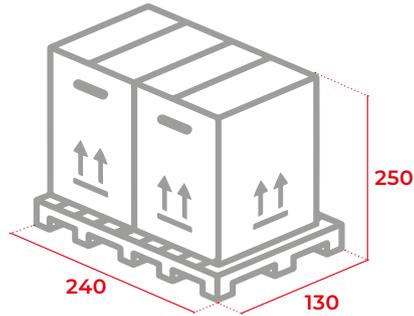
DIMENSIONS (in cm) & WEIGHT

EL - HVP versions

VS - VS/ROAD versions

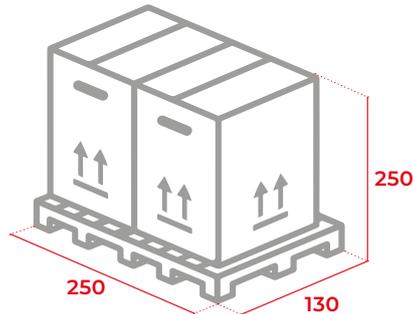
MAGIKA 12 TON

Version
with 2,50 m
conveyor belt

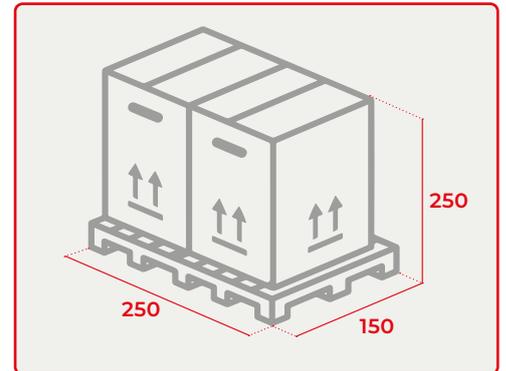


MAGIKA 12 TON

Version
with 4,00 m
or 5,00 m
conveyor belt



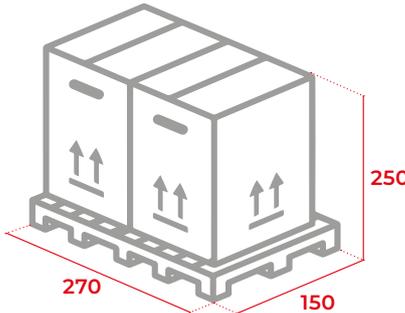
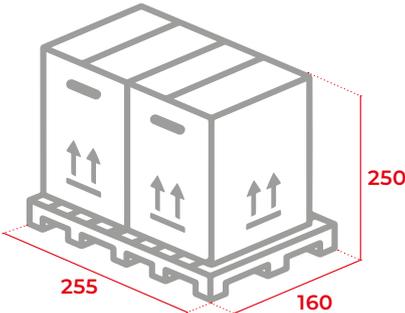
VS STATIC version only - **NOT** for **VS/ROAD**



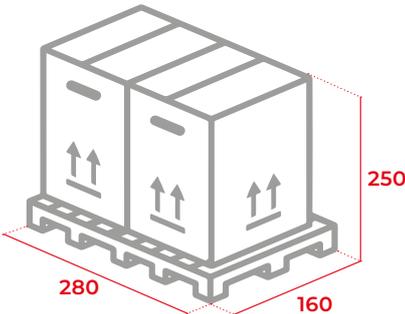
VP.F - Kombi versions

VS/ROAD versions

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16-18 TON



NOT APPLICABLE
ON THIS VERSION



From 1977

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