

# COLLARD DEALER PRODUCT MANUAL



COLLARD®

## **COLLARD DEALER PRODUCT MANUAL**

### **VINE TRIMMERS**

P1100 and P1100Z	3
P2200 and P2200 S	4-5
P2200 T and TS	6
P2200 Ballerina	7
P2200X	8
P2200 Parasol	9
P3000 LZP	10
P3200I	11
P1100 and P3000 Pruners (Flail Blades)	12
	13-15

### **TRIMMER INFORMATION**

Cutting Heights and Blade Positions	16
Skirting Elements "S" Cutting Heights	17
Vine Trimmer Frames	18

### **LEAF REMOVERS**

E2200 F	19
E2200F MAX	20
E2200 3P	21
E3200 3P	22
Prefiltration and Ventilation kit	23-24
	25

### **PRE-PRUNER**

26-27

### **HARVESTER MOUNTED**

P3000 & E3000	28
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### **HORTICULTURE**

P2000	29
E1100 A-Series	30

### **ACCESSORIES & PARTS**

JD Tractor Mounts	31
Common Parts	32

### **COLLARD DESIGN SHEETS**

Trimmer Design Sheet	33
Leaf Remover Design Sheet	34
Pre-Pruner Design Sheet	35

## PROFILMATIC TRIMMERS

- The world's most versatile rotary trimmer
- Models to suit 1/2 row to multi row applications
- Custom designs available

Profilmatic cutting element is centred on the alloy extrusion (which carries a \*lifetime warranty). Modular design allows for addition/removal of blades to achieve cutting length required. Stainless steel blades are mounted on the sealed maintenance free bearing units which are driven by a hydraulic motor via a flat belt, which requires no adjustment. Collard Profilmatic trimmer rugged, reliable, requiring little maintenance.

### SPEED

The Collard rotary trimmer is the fastest trimming system available.

### QUALITY

Exceptional cut quality, at high ground speeds and in vigorous growth.

### EASE

Rigidity on the tractor and excellent controls make Collard trimmers simple to operate, at speed & all day.

### RELIABILITY

Attention to detail and high standards of design and manufacturing, ensure years of low maintenance costs.

### DURABILITY

Long experience in thousands of vineyards around the world are used to design structures that will sustain use over difficult ground, for long hours and a under variety of operators.

### GUARANTEE

Collard trimmers are guaranteed to trim any canopy well at high ground speed of course this depends on the ground, but most clients work on the range 9.0-12 km/hr

### WARRANTY

Lifetime on element extrusions. 2 years on hydraulics, structural.

### SERVICE

All our dealers carry spares in stock.

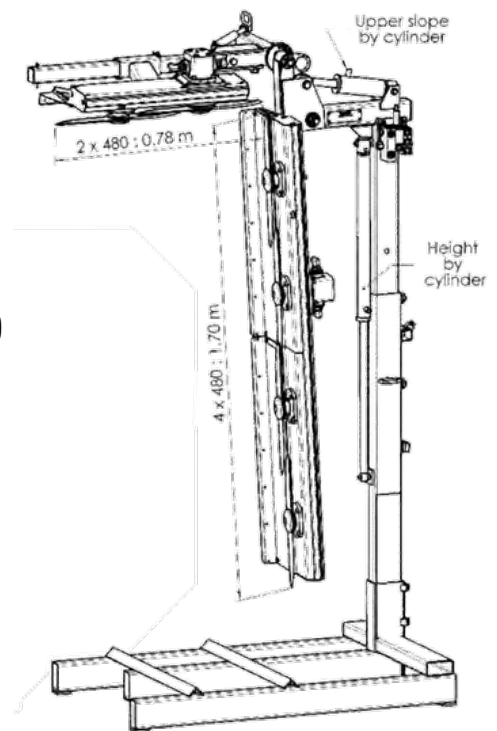
COLLARD TRIMMERS WILL SAVE YOU TIME & MONEY – FOR YEARS



## PROFILMATIC P1100 VINE TRIMMER

- ½ Row vine trimmer, equipped with high speed rotary knife cutting system
- Equipped with 10cc hydraulic motors.
- Element is mounted on a spring detent break away system to protect from impact damage
- Equipped with 2 cylinders.
  - 1 x UP/DOWN 1000mm,
  - 1 x 90mm stroke upper slope
- All cylinders are equipped with an anti-fall security valve, case of hydraulic hose rupture
- Lateral and horizontal plastic protections.
- Fitted with 6 x Stainless Steel blades
 

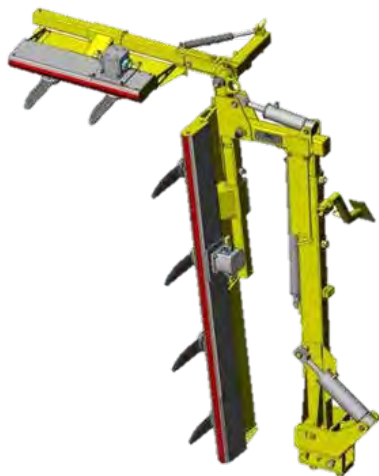
Top Element	2 x 480mm blades = 0,78m cut
Vertical Element	4 x 480mm blades = 1,7M cut
- Folding system for the transport on the road.
- Equipped with hydraulic block, hydraulic functions controlled by tractor remotes, 3 required
- With a storage support for a front or lateral mounting. Brackets not included.
- Optional Equipped with electric controls distributor (1SE + 3DE)  
Supplied with Joystick control.
- JIC connections.



### PRODUCT CODES

- 0136 0200 P1100 1.70Mtr with Manual Hydraulic Control  
 0136 0200-E P1100 as above with JOYSTICK Electric Controls

## PROFILMATIC P1100Z VINE TRIMMER



- ½ Row vine trimmer, equipped with high speed rotary knife cutting system.
- Equipped with 2 hydraulic motors.
- Element is mounted on a spring detent break away system to protect from impact damage
- Equipped with 3 cylinders. 1 UP/DOWN 500mm, 1 x 150mm stroke lower slope. 1 x 90mm stroke upper slope
- All cylinders are equipped with an anti-fall security valve, in case of hydraulic hose rupture
- Lateral and horizontal plastic protections.
- Fitted with 6 x Stainless Steel blades
  - o Top cutting element 2 x 480mm blades = 0,78m cut.
  - o Vertical cutting height 4 x 480mm blades = 1,70m (4x480mm).
- Folding system for the transport on the road.
- Equipped with a complete hydraulic block: Oil filter, Oil flow limiter, Drainage collector, Motor valve. Fitted with JIC connections.
- Supplied with a storage support for a front or lateral mounting. Brackets not included.
- Optional JOYSTICK electric controls distributor (1SE + 3DE)
- JIC connections.

### PRODUCT CODES

0136 0200 P1100 1.70Mtr with Manual Hydraulic Control

0136 0200-E P1100 as above with JOYSTICK Electric Controls

## PROFILMATIC P2200



- Front mounted vine Trimmer that operates 2 half rows at a time, equipped with high speed rotary knife cutting system.
- Equipped with 4 hydraulic motors.
- Both elements mounted on a spring detent break away system to protect from impact damage.
- Equipped with 3 cylinders. 1 x 800 mm up/down with an anti-fall safety valve, in case of hydraulic hose rupture and 2 x 500mm in/out.
- 2 x 480mm blade on each top cutting element = 0,78m cut.
- Cutting height = 1,70m (4x480mm), 1.8m (2x480mm, 3x400mm), 2.0m (3x480mm, 2x400mm)
- Fitted with Stainless Steel blades
- Manual height adjustment of the horizontal cutting element independently of the vertical one
- Complete electric controls distributor (1SE + 3 DE), hoses and couplers.
- Equipped with a complete hydraulic block: Oil filter, Oil flow limiter, Drainage collector, motor valve
- With a storage support.
- Equipped with braces, brackets not included
- JIC connections.



### PRODUCT CODES

#### STANDARD HYDRAULICS

- 0113 2100 P2200, 1.7Mtr cutting elements
- 0113 2150 P2200, 1.8Mtr cutting elements
- 0113 3800 P2200, 2.0Mtr cutting elements

#### SYNCHRONISED ROW WIDTH ADJUSTMENT

- 0113 2150-SH P2200, 1.8Mtr cutting elements
- P2200 supplied without electric hydraulic control distributor

#### P2200 S WITH SKIRTING ELEMENT (1X400MM)

- 01132550 P2200 S with hydraulic driven skirting element

#### OPTIONS

- 0000 2339 Factory upgrade to new joystick
- 0000 1561 Extra for closed circuit hydraulics
- 0000 1481J Upper slope kit cylinders (1 complete kit)
- 0000 2123 Hydraulic adjustment of the 2 top cutting elements
- 0000 2487 Complete upper slope kit for existing P2200 Trimmers
- 0000 2486 3PTL mount for P2200

## PROFILMATIC P2200 T AND TS INDEPENDENT LIFT



- Front mounted vine Trimmer that operates 2 x half rows at a time, equipped with high speed rotary knife cutting system.
- Equipped with reinforced frame
- Equipped with 4 hydraulic motors
- Both elements mounted on a spring detent break away system to protect from impact damage.
- Equipped with 6 cylinders 2 x 1000 mm up/down, 2 x 600mm in/out and 2 x 90mm upper slope
- 2 x 480mm blade on each top cutting element = 0,78m cut.
- Cutting height = 1.6m, 1.70m is 4 blades, 1.8m, 2.0m is 5 blades
- Fitted with Stainless Steel blades
- Manual height adjustment of the horizontal cutting element independently of the vertical one
- Complete electric controls distributor (1SE + 6 DE), hoses and couplers.
- Equipped with a complete hydraulic block: Oil filter, Oil flow limiter, Drainage collector, Motor valve
- With a storage support
- Equipped with braces, brackets not included
- JIC connections

### PRODUCT CODES

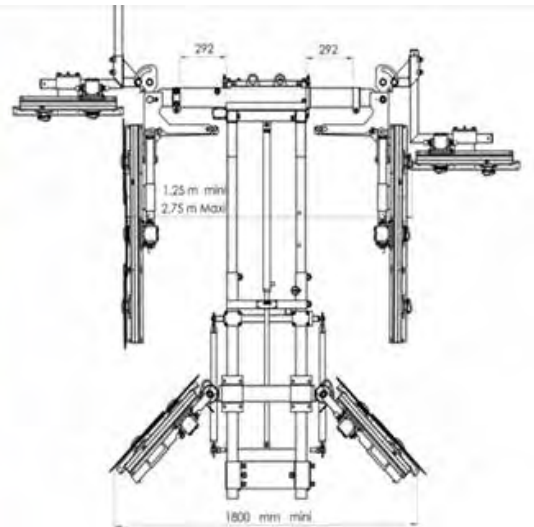
0113 3700-1600	P2200T Profilmatic 1.6Mtr, independent LH/RH lift
0113 3700-1700	P2200T Profilmatic 1.7Mtr, independent LH/RH lift
0113 4000-1800	P2200T Profilmatic 1.8Mtr, independent LH/RH lift
0113 4000-2000	P2200T Profilmatic 2.0Mtr, independent LH/RH lift
	P2200 TS c/w Skirting element by hydraulic motor
0113 3650-1600	P2200 TS Profilmatic 1.6Mtr plus skirting board

### OPTIONAL UPGRADES

Synchronised in/out hydraulics

0000 2339	Factory upgrade to new joystick, 2-6DE
0000 2532	Factory upgrade to new joystick, 6-8DE
0000 2677	Factory upgrade to new large joystick, 6-8DE
0000 1561	Extra for closed circuit hydraulics
0000 2535	Hydraulic top element, 0-90 degree

## TRIMMER PROFILMATIC 2200 "S" BALLERINA



- Front mounted Vine Trimmer that operates 2 half rows at a time, equipped with high speed rotary knife cutting system
- Six trimming Elements:
  - Vertical elements, 3x480mm stainless steel blades =1300mm cutting length
  - Top elements, 2x 480mm stainless steel blades = 880mm cutting length
  - Skirting elements, 2x 480mm stainless steel blades = 880mm cutting length
- Equipped with six 12cc hydraulic motors
- Forklift style frame equipped with 3 cylinders:
  - 1 x 800 mm UP/DOWN with an anti-fall safety valve, in case of hydraulic hose rupture
  - 2 x 500mm IN/OUT.
- Manual height adjustment of the horizontal cutting element independently of the vertical one.
- Lower elements are adjustable manually for: slope: 0 to 45°, height, width.
- Hydraulic cylinder adjustment on vertical element for cross slope
- Complete electric controls distributor 1SE + 3DE, hoses and couplers. Single Joystick Controller
- Equipped with a complete hydraulic block: Oil filter, Oil flow limiter, Drainage collector, Motor valve.
- JIC connections
- Storage support.
- Front mounting bracket and stabilising braces.

### PRODUCT CODES

0113 2250 P2200 "S" BALLERINA

### OPTIONAL UPGRADES

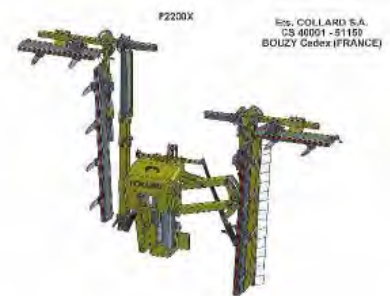
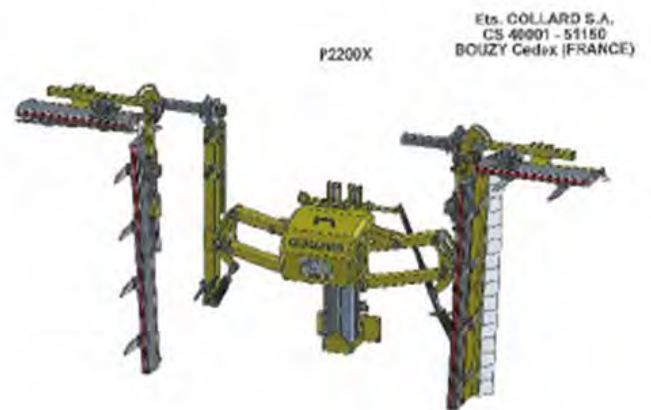
0000 2339 Factory upgrade to new joystick

0000 1481J Factory upgrade to upper slope

Extra charge to have (3x480mm blades) 1.3Mtr top element

## COLLARD PROFILMATIC® 2200 X

- This Vine Trimmer operates 2½ rows at the front of the tractor.
- Equipped with a specific frame with total visibility.
- Equipped with 4 motors 10cc.
- Electric controls distributor 1SE + 6DE + New joystick.
- Equipped with 6 cylinders : 2 UP/DOWN + 2 IN/OUT.
- Tops cutting element = 0,88m.
- Vertical cutting height = 1,80m.
- INOX blades.
- Plastic protections (tops & sides).
- Manual height adjustment of the 2 tops.
- With anti-chock systems = security.
- With braces.
- With storage support.
- With signage kit for transport on the road.
- JIC connections.



### PRODUCT CODES

0146 0000 1800 P2200X Trimmer, 1.8Mtr Elements

OPTIONS : possibility to add ONLY 2 more cylinders because the distributor has 6 functions at maximum

0000 2640 Upper Slope Kit

0000 2639 Top element hydraulic height adjustment  
Synchronized in/out adjustments

00002677 Large joystick

## PROFILMATIC 2200 PARASOL FRAME



- Front mounted Vine Trimmer that operates 2 half rows at a time, equipped with high speed rotary knife cutting system
- With a specific frame. At your request, distance between the 2 x vertical cutting element = 600mm to 2400mm.
- Equipped with 6 hydraulic motors 12cc.
- WITH anti-shock on lower skirting elements.
- 1 Cylinder for width.
- 1 Cylinder for general UP/DOWN, 500mm.
- 2 Cylinders 500mm for independent UP/DOWN adjustment of the 2 vertical cutting elements.
- Manual adjustment of the angle for the top cutting elements and for the lower cutting elements.
- WITHOUT any cross-slope adjustment.
- Each top cutting element = 1,30m (composed of 800mm + 400mm).
- The 2 tops cutting elements are adjustable in height, manually stroke 300mm.
- Cutting height = 1,30m.
- Lower skirt elements = 0,88m (composed of 400mm + 400mm).
- With INOX blades.
- Electric controls distributor 1SE + 4DE with NEW JOYSTICK.
- With the mast mounting point height to 750mm.
- With the lower skirting elements to be at 100mm from ground, when at 45° and vertical element at its lowest point.
- Equipped with braces modified.
- With a storage support.
- Adaptation by yourself. You must build the front fixation on the 3 points of the tractor.
- JIC connections.

### PRODUCT CODES

0113 3500 P2200 PARASOL with Terrace adjustment & JOYSTICK

### OPTIONAL UPGRADES

0000 2683 Front 3PTL plus special brace

## PROFILMATIC P3000 LZP WITH REINFORCED FRAME



- Front mounted Vine Trimmer that operates one complete row at a time, equipped with high speed rotary knife cutting system
- Equipped with reinforced frame
- Equipped with hydraulic motors
- The machine has a spring detent break away system to protect from impact damage.
- Equipped with 4 cylinders:
  - 1 x 500mm stroke ascending cylinder,
  - 2 x parallelogram cylinders with double rod,
  - 1 x 90mm stroke upper slope cylinder.
- All 4 cylinders are equipped with an anti-fall safety valve, in case of a hydraulic hose rupture.
- Oscillatory frame with hydraulic parallelogram which allows the top cutting element to stay parallel to the ground or in a given position when moving the Trimmer
- The oscillatory frame with hydraulic parallelogram allows you to place the Trimmer in line with the tractor which reduces the overall width on the road
- Complete electric controls distributor (1SE + 4 DE).
- Equipped with a complete hydraulic block: Oil filter, Oil flow limiter, Drainage collector, Motor valve
- Top cutting element: 2 x 480mm blade = 0,78m cut
- Fitted with Stainless Steel blades
- Lateral and horizontal plastic protections, with a storage support.
- JIC connections, brackets not included

### PRODUCT CODES

- 0111 0450 P3000 LZP, cutting height 1.6m (3 x 480mm + 400mm)
- 0111 0600 P3000 LZP, cutting height 1.7m (4 x 480mm)

### OPTIONAL UPGRADES

- 0000 2339 Factory upgrade to new joystick
- 0000 1833 Manual height adjustment of the top element

## PROFILMATIC 3200 I



- Front mounted vine Trimmer that operates 2 complete rows at a time, equipped with high speed rotary knife cutting system.
- Reinforced frame.
- Equipped with 6 hydraulic motors 12cm<sup>3</sup>.
- Both elements mounted on a spring detent break away system to protect from damage.
- Equipped with 7 cylinders. All lift cylinder with an anti-fall safety valve
  - 1 Cylinder – Main UP/DOWN
  - 2 cylinders – Independent UP/DOWN of each row
  - 2 cylinders – Independent hydraulic IN/OUT adjustment
  - 2 cylinders – Independent hydraulic upper slope adjustment
- Top cutting element 2 x 480mm blades on each = 0,78m cut.
- Optional Vertical Cutting Heights: = 1,70m, 1.8m or 2.0m
- Plastic blade protections on the top (not on the sides).
- Equipped with a complete electric control's distributor (1SE + 7 DE).
- With a box to adjust the hydraulic functions (not a joystick).
- Equipped with a complete hydraulic block: Oil filter, Oil flow limiter, 2 Drainage collectors, motor valve.
- Fitted with Stainless Steel blades
- With a storage support.
- Equipped with braces. Brackets not supplied
- WITHOUT HYDRAULIC PUMP.
- JIC connections.

### PRODUCT CODES

0114 0200	P3200I, 1.7mtr cutting elements
0147 0000-1800	P3200I, 1.8mtr cutting elements
0114 0200-2018	P3200I, 2.0mtr inner, 1.8mtr outer cutting elements

### OPTIONAL UPGRADES

0000 2483	Manual height adjustment of two top cutting elements
0000 2532	Factory upgrade to new joystick

## PROFILMATIC P1100 VINE PRUNER



- ½ Row VINE PRUNER, equipped with high speed rotary FLAIL BLADE cutting system
- Equipped with 12cc hydraulic motors.
- Element is mounted on a spring detent break away system to protect from impact damage
- Equipped with 2 cylinders. 1 UP/DOWN1000mm, 1 x 90mm stroke upper slope
- All cylinders are equipped with an anti-fall security valve, in case of hydraulic hose rupture
- Lateral and horizontal plastic protections.
- Fitted with 5 x Stainless Steel FLAIL BLADES.
  - o Top Element - 2 x 450mm flail blades = 0,88m cut,
  - o Vertical Element - 3 x 450mm blades =1.3M cut
- Folding system for the transport on the road.
- Equipped with hydraulic block, hydraulic functions controlled by tractor remotes, 3 required
- With a storage support for a front or lateral mounting. Brackets not included.
- Optional Equipped with electric controls distributor (1SE + 3DE) Supplied with Joystick control.
- JIC connections.



Drawing shown with optional 4th Vertical blade.

### PRODUCT CODES

0136 0200P P1100 Pruner 1.3Mtr cut

0136 0200P-E P1100 Pruner with electric controls

-Single Pruner blade to fit onto 4th vertical position

### OPTIONAL UPGRADES

0000 2339 Factory upgrade to new joystick

## PROFILMATIC P3000 LZP VINE PRUNER WITH REINFORCED FRAME



- Front mounted Vine Trimmer that operates one complete row at a time, equipped with high speed rotary knife cutting system
- Equipped with reinforced frame
- Equipped with hydraulic motors
- The machine has a spring detent break away system to protect from impact damage.
- Equipped with 4 cylinders:
  - o 1 x 500mm stroke ascending cylinder,
  - o 2 x parallelogram cylinders with double rod,
  - o 1 x 90mm stroke upper slope cylinder.
- All 4 cylinders are equipped with an anti-fall safety valve, in case of a hydraulic hose rupture.
- Oscillatory frame with hydraulic parallelogram which allows the top cutting element to stay parallel to the ground or in a given position when moving the Trimmer
- The oscillatory frame with hydraulic parallelogram allows you to place the Trimmer in-line with the tractor which reduces the overall width on the road
- Complete electric controls distributor (1SE + 4 DE).
- Fitted with 12cc hydraulic motors
- Equipped with a complete hydraulic block: Oil filter, Oil flow limiter, Drainage collector, Motor valve
- Fitted with Stainless Steel FLAIL BLADES
  - o Top Element 3 x 400mm flail blades = 1100mm cut,
  - o Vertical Elements 4 x 450mm flail blades =1700mm cut
- (2 blade section + 1 blade section + 1 blade section)
- Lateral and horizontal plastic protections, with a storage support.
- JIC connections, brackets not included

### PRODUCT CODES

0136 0200P P1100 Pruner 1.3Mtr cut

## USEFUL TRIMMER INFORMATION

### COLLARD JOYSTICK CONTROLLER, OPTIONAL

A  
E  
F



- B A: Screen of display.
- B B: Stop emergency.
- C C: Buttons to select the hydraulic movements.
- D D: Joystick (cross handle): to action the hydraulic cylinders.
- E E: Button for ON/OFF.
- F F: Pilot light symbol when the motors are ON.

NOTE: In order to optimize the longevity of the joystick, after each use, preserve the joystick in a place, deprived of any trace of moisture, dust and greasy substance.

### TRIMMING BLADE & PRUNING BLADE



The Collard stainless steel Trimming blades have a profile that maintains the high edge velocity over the length of the cutting edge. The finish of the blade is like a surgical scalpel. These features combined with a 400/480mm blade length and a speed of 2200 rpm ensures a cut end that is generally perfect. This clean end dries and seals neatly to reduce the risk of disease in the cane end. The shape of the blade and its thickness limit the amount of sap that builds up on the edge and the tip-proper is always clear. Shaped like a propeller the extra effect of the Collard blade design is to draw the cut material away from the canopy.



Collard Pruning Flail Blades, designed with the same precision as the trimming blade, the flail blade is commonly used in heavier duty application, Winter Pruning. 400mm and 300mm bearing centers

### INNOVATIVE DRIVE TRANSMISSION



Collard uses High Quality Hydraulic Motors. They specify a motor with a higher grade of seal and closer gear clearance than most motors and are therefore highly efficient, extremely durable and well protected due to the conical oil filter.

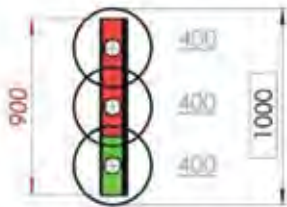


Flat belts drive the blades. These green and yellow fabric belts are also used in aircraft built by Eurocopter and are used to drive the oil pumps that control the blade in the helicopter rotors. They do not stretch and will last a long time before replacement. Even our contractor clients buy few belts. The belts run on flat pulleys. It is impossible to correctly fit a belt without the special tool – the belt is another precision-made component of the Collard trimmer. Each spindle assembly runs in a wide needle roller bearing that offers amazing tolerance to the 2200 rpm speed and loads applied. A Collard designed mechanical seal is fitted to each spindle to prevent sap entering the bearing.

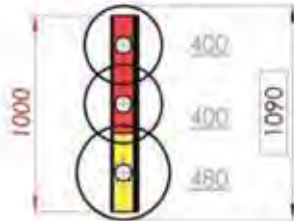
# CUTTING HEIGHTS AND BLADES POSITIONS



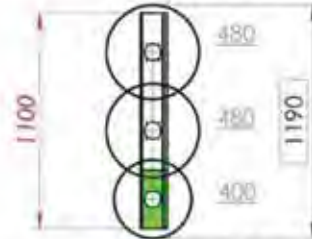
Hc : 1.00 m



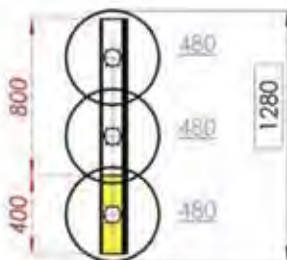
Hc : 1.10 m



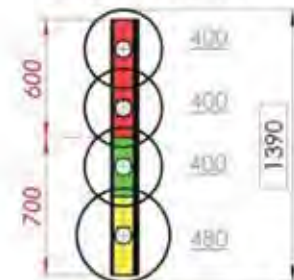
Hc : 1.20 m



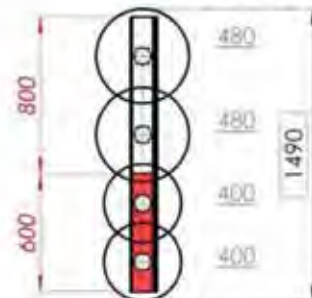
Hc : 1.30 m



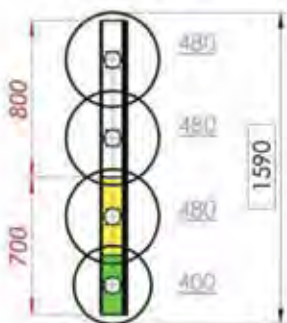
Hc : 1.40 m



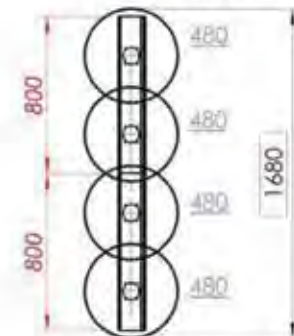
Hc : 1.50 m



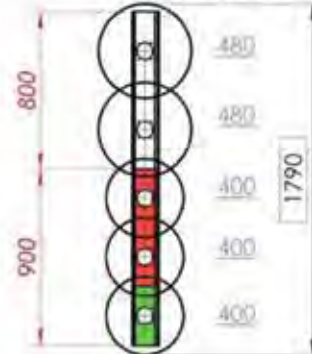
Hc : 1.60 m



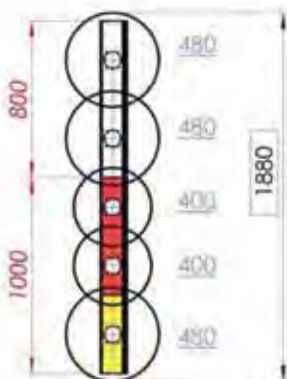
Hc : 1.70 m



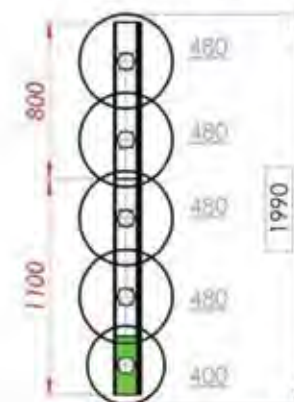
Hc : 1.80 m



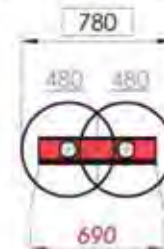
Hc : 1.90 m



Hc : 2.00 m



Top cutting element : 0,78 m



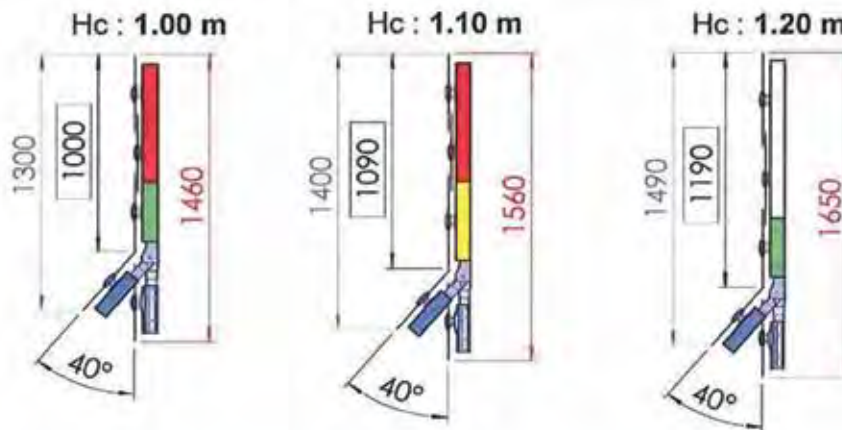
Length of the blades (mm)

Real cutting height (mm)

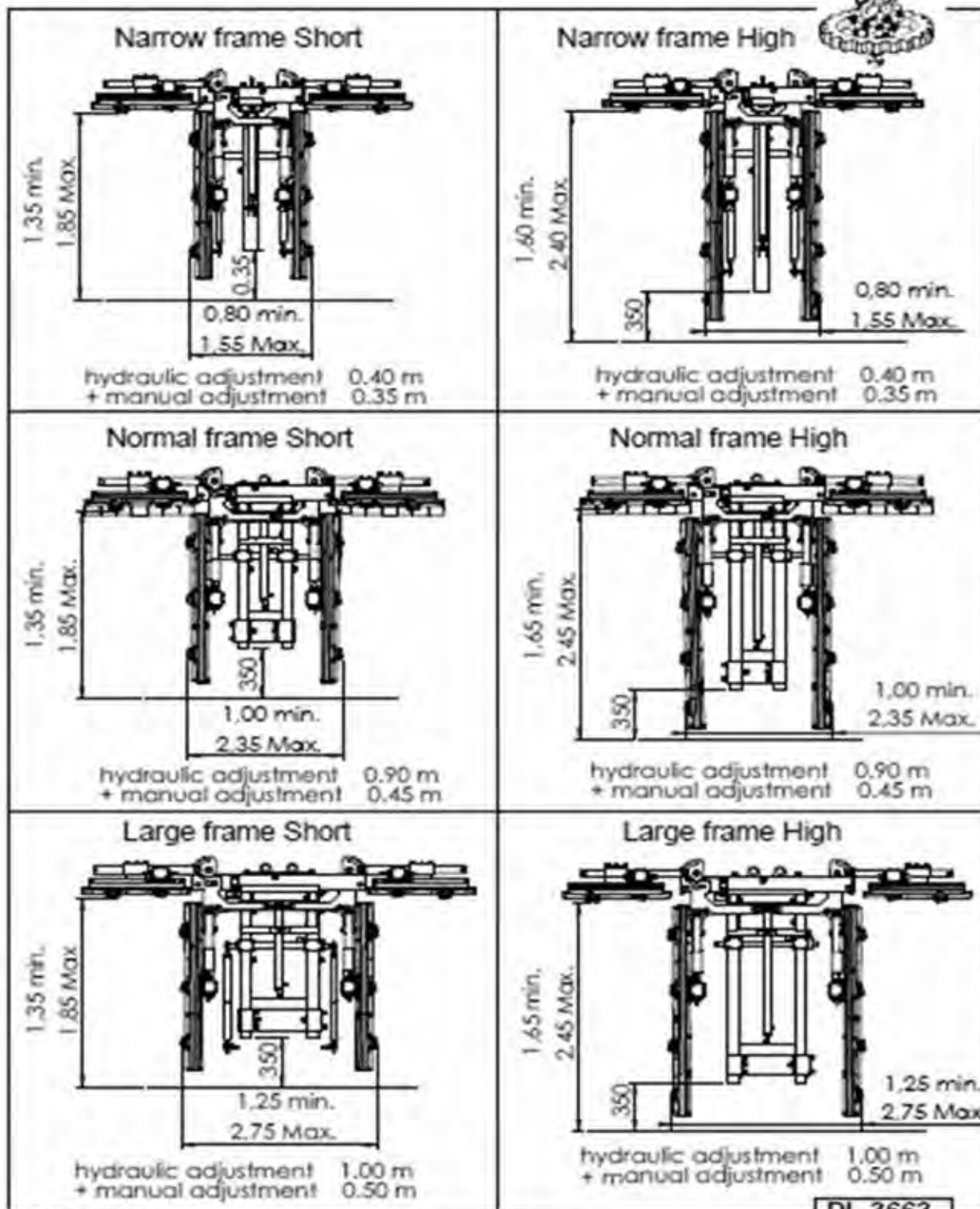
Length of the housing (mm)

PL 3627

## CUTTING HEIGHT IF YOU ADD ONE SKIRTING ELEMENT "S" 400MM DRIVING BY BELT



IF Hc = 1.00m	+ "S" at 40°	Hc = 1.30m
	+ "S" at 180°	Hc = 1.46m
IF Hc = 1.10m	+ "S" at 40°	Hc = 1.40m
	+ "S" at 180°	Hc = 1.56m
IF Hc = 1.20m	+ "S" at 40°	Hc = 1.49m
	+ "S" at 180°	Hc = 1.65m
IF Hc = 1.30m	+ "S" at 40°	Hc = 1.59m
	+ "S" at 180°	Hc = 1.75m
IF Hc = 1.40m	+ "S" at 40°	Hc = 1.71m
	+ "S" at 180°	Hc = 1.86m
IF Hc = 1.50m	+ "S" at 40°	Hc = 1.80m
	+ "S" at 180°	Hc = 1.95m
IF Hc = 1.60m	+ "S" at 40°	Hc = 1.90m
	+ "S" at 180°	Hc = 2.05m
IF Hc = 1.70m	+ "S" at 40°	Hc = 2.00m
	+ "S" at 180°	Hc = 2.15m
IF Hc = 1.80m	+ "S" at 40°	Hc = 2.09m
	+ "S" at 180°	Hc = 2.25m
IF Hc = 1.90m	+ "S" at 40°	Hc = 2.19m
	+ "S" at 180°	Hc = 2.35m
IF Hc = 2.00m	+ "S" at 40°	Hc = 2.29m
	+ "S" at 180°	Hc = 2.45m



Dimensions in meters

PL 3663

## LEAF REMOVERS

### COLLARD PULSED AIR SYSTEM

- The way to lower costs and increase the value of your crop.
- Better for grape health & wine character than any suction plucker
- Used through the season – from before flowering to harvest
- Suitable for wine and table grape applications

### MANAGE LEAF VOLUME AND CLEAN BUNCHES

- Bunches cleaned early will have virtually no disease sites
- Opening the canopy earlier ensures good airflow and spray penetration right through the season

### BERRIES DEVELOP THICKER SKINS EARLIER

- Thicker skins produce better flavour characters
- Fruit is more resistant to sunburn at peak of summer
- Fruit handles mechanical damage better
- Fruit is more resistant to rot

### MAKES HAND WORK MORE PRODUCTIVE

- Bunch thinning is 25-30% faster
- Hand harvest is up to 40%



Typical Vine cover before plucking



After Collard Pulsed Air System leaf reduction with defoliating heads

## ELLIPSE LEAF REMOVER 2½ ROWS : E2200F



- Machine that operates 2 ½ rows at the front on an inter-rows tractor.
- NX5 Air compressor on the back on 3 points linkage on PTO (540 RPM).
- Equipped with two ELLIPSE defoliating heads = (Patented COLLARD).
- Adjustable heads for a leaf removal from 300 to 640mm.
- Equipped with a system for selecting the air nozzle\* according to the desired removal intensity.
- Control of the speed rotation of the nozzles.
- Manual inclination of the 2 defoliating heads.
- Electric controls distributor (1SE + 4 DE) with small joystick.
- Hydraulic adjustments : 4 cylinders
  - UP/DOWN independent of the 2 ½ rows,
  - IN/OUT independent of the 2 ½ rows.
- Electric oil flow regulator to adjust the nozzle's rotation speed.
- Silencer equipped with filter.
- With Pre-Filter
- With Ventilation kit
- Without a 3 ways pneumatic valve selector.
- With special reinforced large frame.
- With signage kit for transport on the road.
- JIC connections.

### PRODUCT CODES

04224550NZ-SYNC

E2200F ELLIPSE with synchronised in/out

04224550NZ-SYNC-LJS

E2200F ELLIPSE, sync in/out, large joystick

## ELLIPSE MAX LEAF REMOVER 2½ ROWS : E2200F



- Machine that operates 2 ½ rows at the front on an inter-rows tractor.
- NX8 Air compressor on the back on 3 points linkage on PTO (540 RPM).
- Equipped with two ELLIPSE defoliating heads = (Patented COLLARD).
- Adjustable heads for a leaf removal from 300 to 640mm.
- Equipped with a system for selecting the air nozzle\* according to the desired removal intensity. Four nozzles per head operate in each position
- Control of the speed rotation of the nozzles.
- Manual inclination of the 2 defoliating heads.
- Electric controls distributor (1SE + 4 DE) with small joystick.
- Hydraulic adjustments : 4 cylinders
  - UP/DOWN independent of the 2 ½ rows,
  - IN/OUT independent of the 2 ½ rows.
- Electric oil flow regulator to adjust the nozzle's rotation speed.
- Silencer equipped with filter.
- With Pre-Filter
- With Ventilation kit
- Without a 3 ways pneumatic valve selector.
- With special reinforced large frame.
- With signage kit for transport on the road.
- JIC connections.

### PRODUCT CODES

04224550NZ-SYNC      E2200F ELLIPSE with synchronised in/out  
04224550NZ-SYNC-LJS    E2200F ELLIPSE, sync in/out, large joystick

## ELLIPSE LEAF REMOVER 2½ ROWS : E2200-3P



- Machine that operates 2 ½ rows at the rear on an inter-rows tractor.
- NX5 Air compressor on the back on 3 points linkage on PTO (540 RPM).
- Equipped with two ELLIPSE defoliating heads = (Patented COLLARD).
- Adjustable heads for a leaf removal from 300 to 640mm.
- Equipped with a system for selecting the air nozzle\* according to the desired removal intensity.
- Control of the speed rotation of the nozzles.
- Manual inclination of the 2 defoliating heads.
- Electric controls distributor (1SE + 4 DE) with small joystick.
- Hydraulic adjustments : 4 cylinders
  - UP/DOWN independent of the 2 ½ rows,
  - IN/OUT independent of the 2 ½ rows.
- Electric oil flow regulator to adjust the nozzle's rotation speed.
- Silencer equipped with filter.
- With Pre-Filter
- With Ventilation kit
- Without a 3 ways pneumatic valve selector.
- With special reinforced large frame.
- With signage kit for transport on the road.
- JIC connections.

### PRODUCT CODES

0422 0600RM-NZ E2200 3P

0422 0600RM-SYNC E2200 3P with synchronized in/out

## ELLIPSE LEAF REMOVER 2 ROWS : E3200 3P



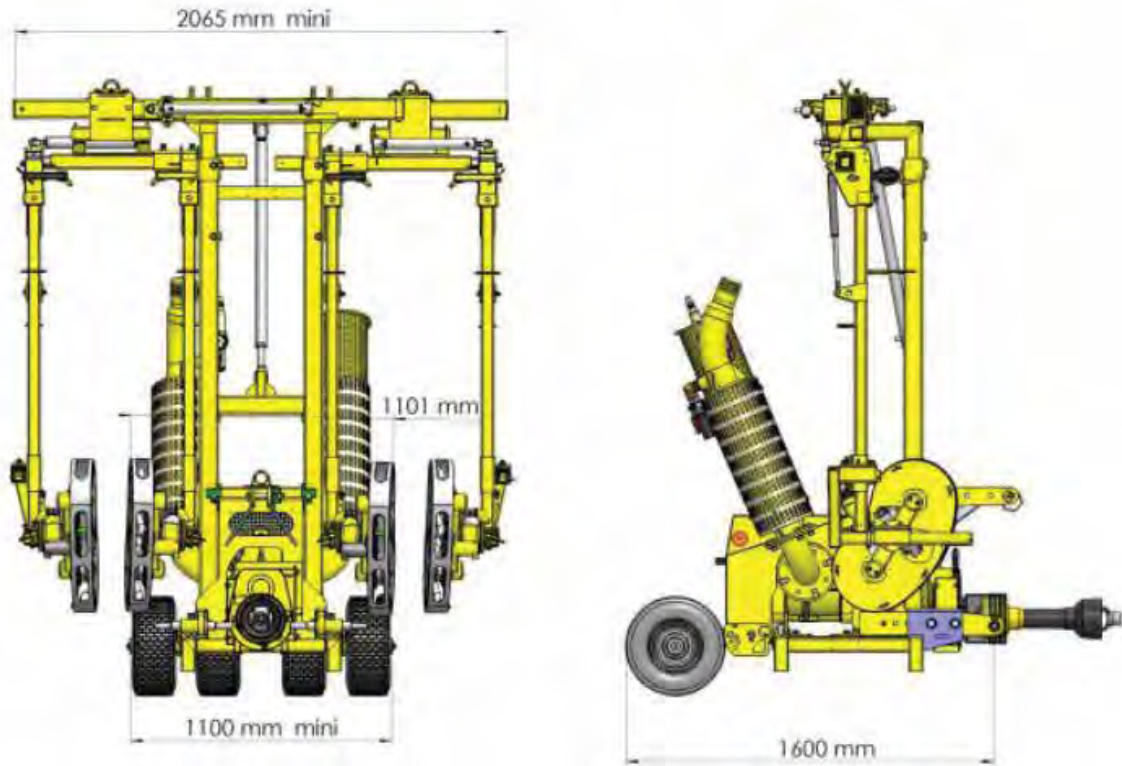
- Machine that operates 2 rows at the rear on an inter-row tractor.
- Category 2 rear 3-point linkage
- Specific frame with four wheels, adjustable width 1100-1400mm
- Complete rear group NX8 booster, requires 65HP, PTO 540 RPM.
- Equipped with four ELLIPSE defoliating heads = (Patented COLLARD).
- Four dropper arms fitted with breakaway system
- Adjustable heads for a leaf removal swath from 300 to 640mm.
- Equipped with a system for selecting the air nozzle\* according to the desired removal intensity.
- Control of the speed rotation of the nozzles.
- Manual inclination of the 4 defoliating heads.
- Electric controls distributor (1SE + 5 DE) with GEN 3 joystick.
- Hydraulic adjustments : 5 cylinders
  - 1 UP/DOWN 800mm
  - 2 IN/OUT 500mm, synchronised
  - 2 Canopy thickness 300mm
- Electric oil flow regulator to adjust the nozzle's rotation speed.
- Silencer equipped with filter.
- With Pre-Filter kit mounted high up
- With Ventilation kit
- Without a 3 ways pneumatic valve selector.
- With signage kit for transport on the road.
- JIC connections.
- 



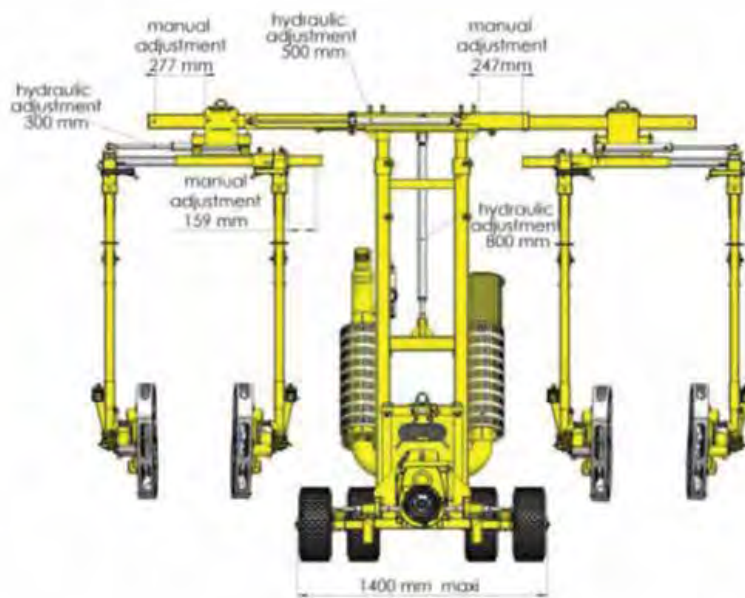
### PRODUCT CODES

04375000      E3200 3P ELLIPSE with synchronised in/out

# ELLIPSE LEAF REMOVER 2 ROWS : E3200 3P



**E3200 3P**



**E3200 3P**

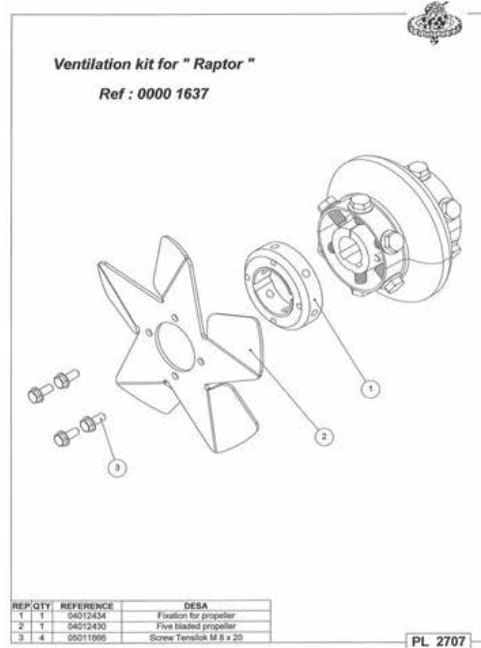
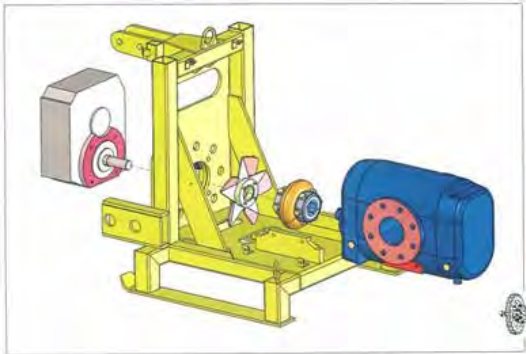
# LEAF REMOVER, OPTIONAL UPGRADES PREFILTRATION KIT



## PRODUCT CODES

0000 1638 Prefiltration kit

## VENTILATION KIT



## PRODUCT CODES

0000 1637 Ventilation kit  
0000 2674 Ventilation kit, NX3

## PRE-PRUNERS

Available for inter-row and straddle tractors.

- For a front mounting exclusively on inter row tractor. Machine that operates 1 complete row.
- Equipped with a robust frame with 2 hydraulic motors 160cc each + 3 cylinders:
  - o UP/DOWN stroke 1000mm with anti-fall safety valve,
  - o IN/OUT stroke 200mm,
  - o CROSS SLOPE stroke 90mm with anti-fall safety valve.
- Manual folding system (180°) by articulation in front of tractor, for safe road transport.
- With storage support.
- Complete electric controls distributor: 2SE + 3DE. Equipped with an oil input divider 0 to 120 lpm + an oil pressure valve.
- 2 electric control boxes:
- **BOX No 1:** Functions for the cylinders of the frame + Amplifiers (to regulate the sensitivity of the detection cells).
- **BOX No 2:** Functions ON/OFF. Functions to open and to close the head of the Pre-Pruner. Equipped with 1 potentiometer to regulate the speed rotation of the blades and 1 potentiometer to regulate the time of the cycle of opening and closing of the head of the Pre-Pruner according to the ground speed.
- Cutting height = 820mm (8 blades + 1 notched disc).
- 3 operating modes to open and to close the head of the Pre-Pruner:
  - o Automatic mode for detection by optical cells,
  - o Manual mode by hand lever,
  - o Mechanical opening mode thanks to the notched disc.
- Machine equipped of 2 pair of cells + 2 amplifiers.



Standard Tractor Front Mount.



Adaption to Over-row Tractor Available.



Cutting blade and notched discs = efficient clean cuts and trellis post protection



Three operating modes to open and to close the head of the Pre-Pruner

## PRE-PRUNER



- The Pre-Pruner is for front mounting on inter row tractors and covers one complete row.
- Equipped with a robust frame with 2 hydraulic motors 160cc each + 3 cylinders :
  - UP/DOWN stroke 1000mm with anti fall safety valve,
  - IN/OUT stroke 200mm,
  - CROSS SLOPE stroke 90mm with anti fall safety valve.
- Manual folding system (180°) by articulation in front of tractor, for safe road transport,
- Complete with storage support.
- With special support for the shipping.
- Complete with electric controls distributor, 2SE + 3DE. Equipped with an oil input divider 0 to 120 lpm and an oil pressure valve.
- 2 electric control boxes :
  - BOX No 1 - Functions for the cylinders of the frame + Amplifiers to regulate the sensitivity
  - of the detection cells.
  - BOX No 2 : Functions ON/OFF. Functions to open and to close the head of the Prepruner.
- Equipped with 1 potentiometer to regulate the speed rotation of the blades and 1 potentiometer to regulate the time of the cycle of opening and closing of the head of the Prepruner according to the ground speed.
- Cutting height 710 or 820mm.
- 3 operating modes to open and to close the head of the Prepruner :
  - Automatic mode for detection by optical cells,
  - Manual mode by hand lever,
  - Mechanical opening mode thanks to the notched disc.
- Machine equipped of 2 pair of cells + 2 amplifiers.
- Brackets not included.

### IMPORTANT

Minimum oil flow required, 30 lpm - Necessary minimal pressure, 150 BAR.

### PRODUCT CODES

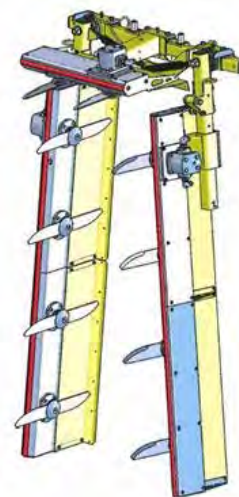
- |                |  |
|----------------|--|
| 0060 3600 0710 | Cutting height 710mm (7 blades + 1 notched disc) |
| 0060 3600 0820 | Cutting height 820mm (8 blades + 1 notched disc) |

## CUSTOM HARVESTER MOUNT MODULES

### P3000 VINE TRIMMER ELEMENT

Required Oil Flow 22lpm

Required Pressure 80 bar



### VINE TRIMMER P3000

- 1 complete row at the front
- WITHOUT distributor but with small hydraulic block
- Top Cutting Element = 0.78m
- Vertical Cutting Height = 1,70m (INOX blades)
- Vertical & horizontal plastic protections
- With Anti-Shock system
- With "Angle cylinder for complete unit"
- Manual height adjustment for the top
- Manual adjustment for thickness
- With storage support
- Adaptation, Mounting and bracketry customer/dealer responsibility.

### PRODUCT CODE

Code 01071100 P3000 module

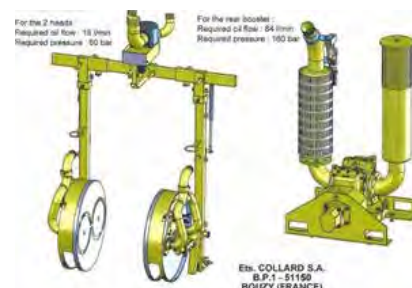


### LEAF REMOVER E3000

- 1 complete row
- Complete rear group driven by motor, 33cc (106lpm@ 120bar)
- 2 Twin Rotors heads
- With Anti-Shock system
- With synchronized independent cylinders for LH & RH in/out"
- Electric controls distributor with joystick
- RPM monitor on joystick
- With Pre-Filter
- Without 3-way pneumatic valve
- Adaptation, Mounting and bracketry customer/dealer responsibility.

### PRODUCT CODE

04030650 E3000 module



## COLLARD TREE HEDGER P2000A

### A) FRAME Only :

- 7 cylinders : 1 UP/DOWN stroke 1250mm + 2 independent IN/OUT 2x300mm each by arm and 2 independent ROTATION 1x200mm by arm,
- Complete electric controls distributor with only 5 hydraulic functions for 7 cylinders,
- Possibility to select for an OPEN or CLOSED circuit,
- Without anti-shock system,
- With braces, with storage support,
- Brackets have to be built by yourself.



### PRODUCT CODE

0137 0400 P2000A Trimmer frame, controls & hydraulic plumbing for tractor remotes

**You need 45 l minimum à 200 bar minimum**

0137 0800 P2000a Trimmer frame, controls, plumbed for Collard Hyd Power Pack

0000 2448 Hyd Power Pack, 120Ltr tank, triple pump 21cc+21cc+11cc

### PROFILMATIC MINI LEM Elements

01370482 & 0483 Length = 1,25m : composed of (3 saw blades + 1 motor 15cc)

01370480 & 0481 Length = 1,65m : composed of (4 saw blades + 1 motor 15cc)

01370478 & 0479 Length = 2,05m : composed of (5 saw blades + 2 motors 15cc)

01370476 & 0477 Length = 2,45m : composed of (6 saw blades + 2 motors 15cc)

01370474 & 0475 Length = 2,85m : composed of (7 saw blades + 2 motors 15cc)

01370472 & 0473 Length = 3,25m : composed of (8 saw blades + 2 motors 15cc)

01370484 & 0485 Length = 3,65m : composed of (9 saw blades + 2 motors 15cc + 4 supports)

01370486 & 0487 Length = 3,25m : composed of (4+4 saw blades + 2 motors 15cc + 4 supports)

01370488 & 0489 Length = 2,85m : composed of (4+3 saw blades + 2 motors 15cc + 4 supports)

## ELLIPSE LEAF REMOVER ½ ROW FOR FRUIT E1100 A2 – A3 – A4

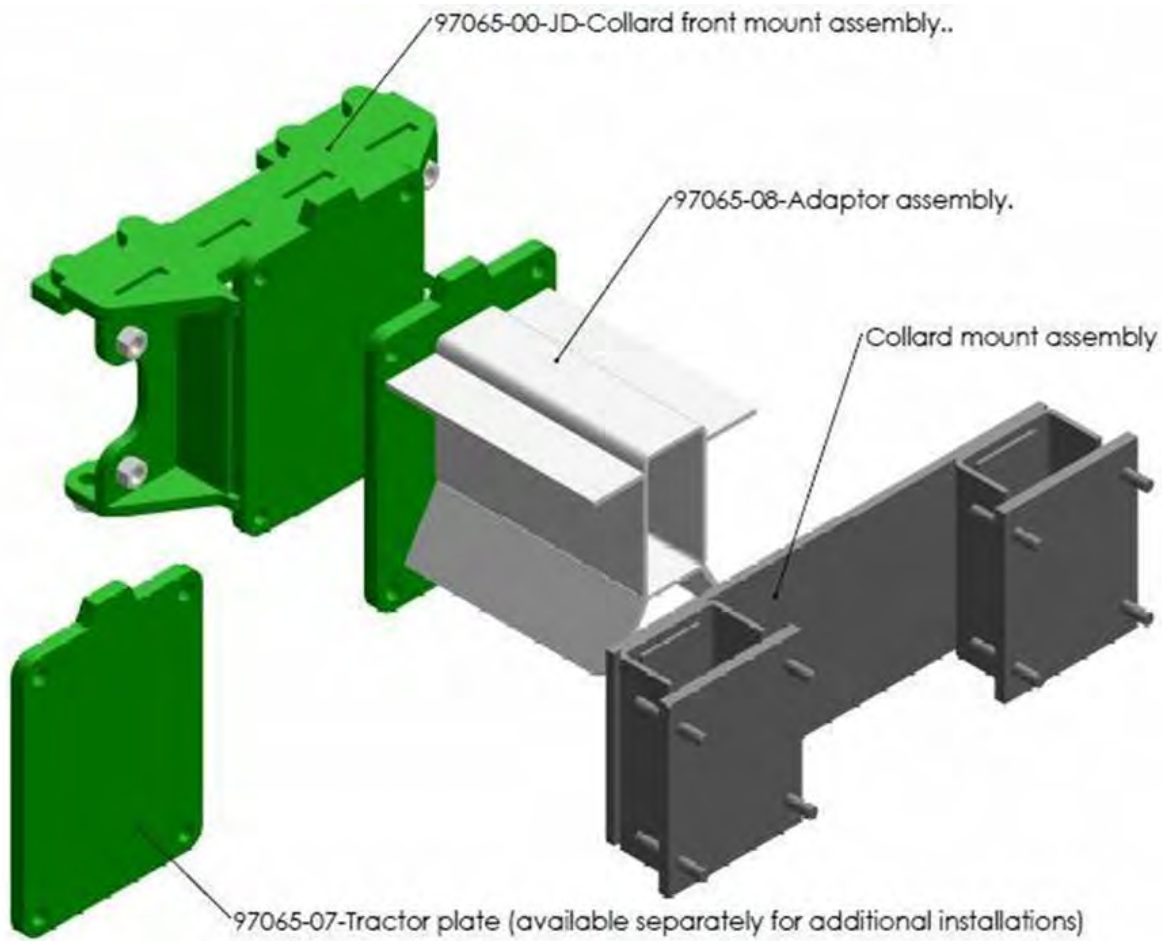


- Machine that operates ½ row R/H or L/H, on an inter-rows tractor.
- Special frame allowing to support 1 or 2 or 3 or 4 heads.
- Booster on the back on 3 points linkage on PTO (540 RPM).
- BOOSTER INFO :
- Machine with 1 or 2 heads = NX5
- Machine with 3 or 4 heads = NX8
- Equipped with two, three or four ELLIPSE defoliating heads = (Patented COLLARD).
- Adjustable heads for a leaf removal from 300 to 640mm.
- Independent manual adjustments of the heads : orientation & height.
- Equipped with a system for selecting the air nozzle\* according to the desired removal intensity.
- Control of the speed rotation of the nozzles.
- Manual inclination of the defoliating heads.
- Electric controls distributor (1SE + 4 DE) with small joystick.
- Hydraulic adjustments : 2 cylinders
  - 1 UP/DOWN, 600mm stroke.
  - 1 IN/OUT 450mm stroke. (+ manual stroke 150 mm).
- Electric oil flow regulator to adjust the nozzle's rotation speed.
- Silencer equipped with filter.
- With Pre-Filter
- With Ventilation kit
- With signage kit for transport on the road.
- JIC connections.

### PRODUCT CODES

04111200      E1100 A2, Two Heads  
 04111300      E1100 A3, Three Heads  
 04111400      E1100 A4, Four Heads  
 Optional 2.85Mtr Trimmer Element

## JD TRACTOR MOUNTS



### PRODUCT CODES

97065-00	JD weight block to Collard mount
97065-07	Plate (Bare)
97065-08	Plate with 300mm extension fitted (Bare)

## COLLARD COMMON PARTS LIST



### REPLACEMENT DRIVE BELTS:

CODE 0502 8596 BELT 17 x 842mm, (300mm Centers)

CODE 0502 8597 BELT 17 x 1039mm, (400mm Centers)

CODE 0105 0157 BELT Fitting Tool



### REPLACEMENT STAINLESS STEEL BLADES:

CODE 0503 0169 R/H INOX Stainless Steel Blade 480mm

CODE 0502 8597 L/H INOX Stainless Steel Blade 480mm



### REPLACEMENT STAINLESS STEEL BLADES:

CODE 0000 2675 Non-Perforated - Flail 445mm/240mm disc

CODE 7020 0603 Bolt Kit to suit Flail Blade 70300818



### BEARING & DRIVE ASSEMBLIES:

*Left Hand Rotation (anticlockwise) – Identified by machined groove in flange.*

CODE 0105 0129 Long Shaft Belt Drive, LH

CODE 0105 0127 Short Shaft Belt Drive, LH

CODE 0105 0125 Long Shaft Motor Drive, LH

CODE 0105 0123 Short Shaft Motor Drive, LH



*Right Hand Rotation (clockwise) – Identified by NO machined groove in flange.*

CODE 0105 0130 Long Shaft Belt Drive, RH

CODE 0105 0128 Short Shaft Belt Drive, RH

CODE 0105 0126 Long Shaft Motor Drive, RH

CODE 0105 0124 Short Shaft Motor Drive, RH



### HYDRAULIC MOTORS

CODE 0105 0131 Hydraulic Motor 10CC

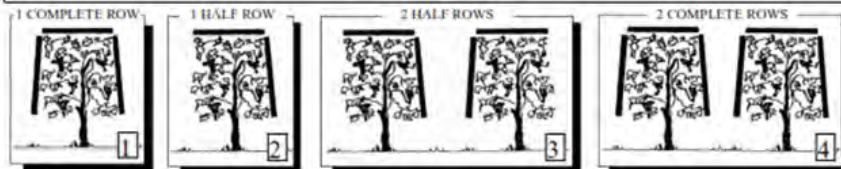
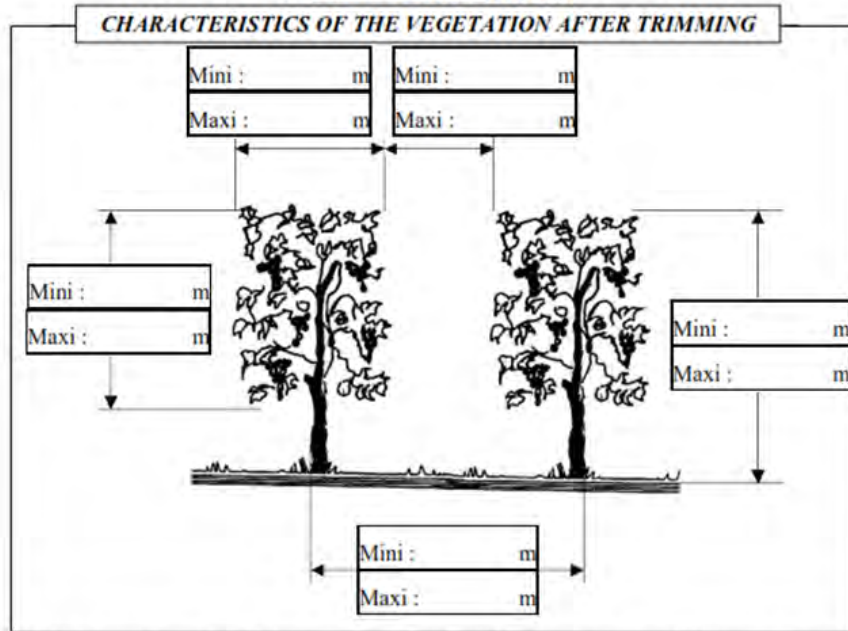
CODE 0105 0132 Hydraulic Motor 12CC

# COLLARD VINE TRIMMER DESIGN SHEET

DEALER :  
 Address :  
 Telephone :  
 P.O. :

CLIENT :  
 Address :  
 Telephone :  
 Fax :

## VINE TRIMMER



Selected number of configuration :

Skirting element



Front mounting

Rear mounting

Side mounting

Inter row tractor

Straddle tractor  : wheel track (straddle tractor) : m

height under the frame (straddle tractor) : m

Make & model of the tractor :

Horsepower : Cv

First hydraulic pump : Available flow: Liters/minute

Maximum pressure : Bar

OPEN center circuit

CLOSED center circuit

LOAD SENSING (LS) circuit

Second hydraulic pump : Available flow: Liters/minute

Maximum pressure : Bar

OPEN center circuit

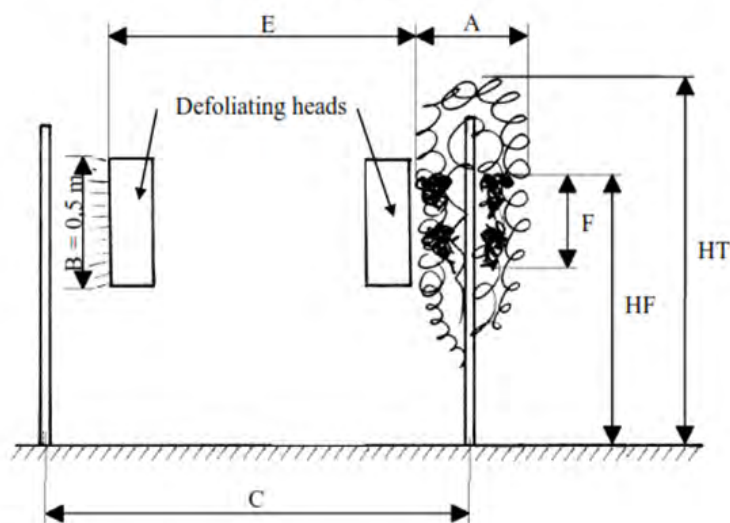
CLOSED center circuit

LOAD SENSING (LS) circuit

# COLLARD LEAF REMOVER DESIGN SHEET

DEALER : Address : Telephone : P.O. :	CLIENT : Address : Telephone : Fax :
--	---

## LEAF REMOVER



- A = Thickness of the vegetation : m
- B = Height of defoliation adjustable from 0,25m to 0,50m by rotating the defoliating head.
- C = Distance between the rows : minimum : m  
maximum : m
- E = Distance between vegetation after trimming : minimum : m  
maximum : m
- F = Fruit zone : minimum : m  
maximum : m
- HF = Desired height from the soil to the top of the fruit zone : minimum : m  
maximum : m
- HT = Height of the vegetation : minimum : m  
maximum : m

- Front mounting <input type="checkbox"/>	- Rear mounting <input type="checkbox"/>	- Horsepower : Cv
- Make of the tractor :	- Model :	- Wheel track : m
- Inter row tractor <input type="checkbox"/>	- Straddle tractor <input type="checkbox"/>	- Height under the frame : m
- Operating weight : Kg		
- First hydraulic pump : Available flow : Liters/minute		Maximum pressure : Bar
OPEN center circuit <input type="checkbox"/>	CLOSED center circuit <input type="checkbox"/>	LOAD SENSING (LS) circuit <input type="checkbox"/>
- Second hydraulic pump : Available flow : Liters/minute		Maximum pressure : Bar
OPEN center circuit <input type="checkbox"/>	CLOSED center circuit <input type="checkbox"/>	LOAD SENSING (LS) circuit <input type="checkbox"/>

General informations :

- How many hectares are you planning to cover with your leaf remover ?
- Do you operate on hillsides ?
- What vineyard trellis system(s) do you have in your operation ?

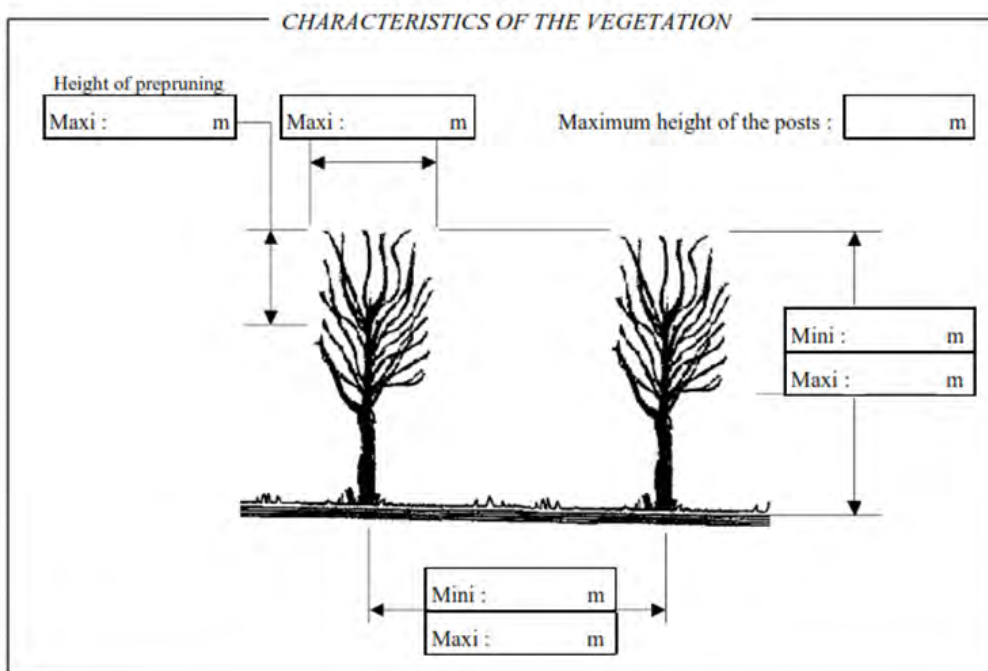
Please list :

# COLLARD PRE-PRUNER DESIGN SHEET

DEALER :  
 Adress :  
 Telephone :                      Fax :  
 P.O. :

CLIENT :  
 Adress :  
 Telephone :  
 Fax :

## PREPRUNER



You want to work :

- 1 complete row
- 2 complete rows

Type of tractor :

- Inter row tractor
- Straddle tractor : 
  - Wheel track :            m
  - Height under the frame :    m

Type of mounting :

- Front mounting
- Side mounting

How many hectares are you planning to cover with your prepruner ?

Nature of the posts :

- Wood
- Iron
- Other (specify) :

Make & model of the tractor :

Horsepower :            Cv

- |  |  |               |  |     |
|--|--|---------------|--|-----|
| - First hydraulic pump :                     | Available flow :                               | Liters/minute | Maximum pressure :                                 | Bar |
| OPEN center circuit <input type="checkbox"/> | CLOSED center circuit <input type="checkbox"/> |               | LOAD SENSING (LS) circuit <input type="checkbox"/> |     |
| - Second hydraulic pump :                    | Available flow :                               | Liters/minute | Maximum pressure :                                 | Bar |
| OPEN center circuit <input type="checkbox"/> | CLOSED center circuit <input type="checkbox"/> |               | LOAD SENSING (LS) circuit <input type="checkbox"/> |     |



**BA PUMPS &  
SPRAYERS**

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LOUIS MELCHERS                      0272 904 230

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