



LONG LIFE POWERFUL  
PROFESSIONAL GARDEN SOLUTIONS

# JOSEF SELF PROPELLED POWER RAKE

60 cm



## Composed the scarifier suitable for your lawn

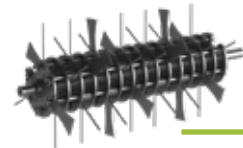
Line for the maintenance of **parks, gardens and football yard.**



Movable  
knives



Fixed  
knives



Spring &  
knives



**LONG LASTING BIAD** with anti-wear thermal treatment

# JOSEF

## Self propelled power rake - 60 cm

The details make the difference of Agrinova machines.

- The metal thickness of the shell
- The types of bearings
- The type of belts
- The type of steel chosen to produce the cutting knives
- Heat treatments to make them as strong and sharp as long as possible

and the wide range of types of machines, to meet the specific needs of the lawn to care.

Agrinova knows that every lawn is different and should be treated according to its needs, so **the scarifiers** that it produce offer a wide variety of cutting systems.

The know-how gained over many years of experience and comparison with the gardening sector experts led to the development of **different working systems**, which allow us to treat with maximum efficiency any kind of lawn



### PERFECT FOR LANDSCAPERS BECAUSE:

- The self propelled system allows easy and speed turf care. The operator only drive for overcrossing climbs and slopes.
- Variable speed allows
  - Adapting the detacher to the turf to maintaining.
  - Speed movements between 2 areas
  - Easy loading on transport means.

## WORK SYSTEM



### ROTOR SHAFT WITH FLAIL/BLADES

Cod. ACU600: 42 blades 2.5 mm thick

Choice of blade thickness

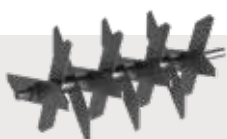
2,5 mm  
(as standard)



1,2 mm  
(on demand) for blade  
step 30 or 40 mm



**BEST SELLER**



### SHAFT WITH FIXED BLADES

Cod. ACU610: 12 blades 2.5 mm thick

Choice of blade thickness

2,5 mm  
(as standard)



1,2 mm  
(on demand) for blade  
step 30 or 40 mm

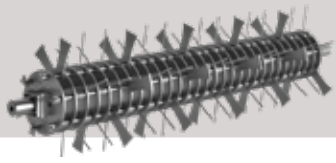


System that allow:

- Verticutting: Performs a number of cuts on the ground up to a recommended depth of up to 3 cm, but suggest maximum 0,5 cm
- Removing the moss by touching the ground

This system is referred floating because even if the impact blades against some of the typical gardens obstacle (superficial roots of plants, heads of sprinklers, curbs, etc ..) Will not be damaged, because they rotate on their own center and return to their working position thanks to centrifugal force rising from rotation at 3000 rpm).

Verticutting is literally vertical cutting, the operation of creating perfectly precise and rigid grooves on the grass. Grass roots will be cut off without being ripped off and without damage. The groove will have a constant depth and, if properly registered by the operator, is 0,3 cm to 0,5 cm, perfect for oxygenating the soil.



# SHAFT WITH SPRINGS AND FLIAL BLADES

Cod. AL610: 18 coltelli spessore 2,5 mm+ 36 molle



Often on the meadow there are accumulations of moss and felt, due to the stagnation of water, to the constant presence left to the ground, using the mulching system. Before brushing the grass roots and the first layer of soil, it is necessary to clean the felt sheet. You must comb the grass layer with soft tips such as those of a spring. However, as a result of a highspeed operation, with considerable power provided by the engine, it is necessary to give stiffness to the cutting system by intercepting springs with moving knives. This prevents the system from pushing too much on the springs of the springs avoiding the resulting breakage. This type of cutting system requires little power to the engine and must be made at the lowest possible speeds.

## CONSTRUCTIVE DETAILS



**Tires:** 4 tires 280 mm diametre, 100 mm wide



**Adjusting levers:** 7 far blades engaging 7 far self propelling 1 far speed regulation (updating)



**Chassis 4 mm thickness**



**Speed regulation:** the variation of speed is obtained through axial shifting of central pulley driven by a self-lubricating bush. Variable speed from 0 up to 4,5 km/h.



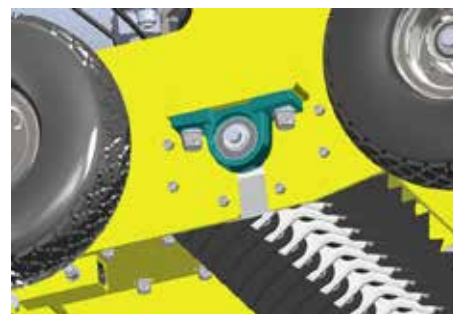
**Differential system:** obtained with freewheel sprocket and chain drive



Good stability thanks **central position of engine**



**Heavy duty gear boxes**



**Cast iron support bearings:** with grease nipple for quick disassembly of the cutting shaft



**Cutting depth regulation:** 11 positions.





1. Honda engine
2. Heavy duty chassis 4 mm thickness steel
3. Cover belt casing
4. Lever for depth regulation
5. Blades engaging lever
6. Self propelling lever
7. Speed regulation lever
8. Tires 280 mm diameter
9. Speed accelerator

## Technical data

		JOSEF
ENGINE	Type	<b>Honda GP200</b>
	Main features	4 stroke, air cooled, OHV (overhead valves), oilguard
	Displacement	Single cylinder 196 cc
	Tank capacity	3,1 litres
	Oil capacity	0,6 litres
	Power	4,1 Kw @ 3600 rpm, Ref. SAE J1349
WORKING SYSTEM	Nominal working width	60 cm
	Standard	Movable knives shaft 2,5 mm (step 40) (nr 42 knives) - <b>Cod. ACU600</b>
	Optional	Shaft knives and springs (step 29) (nr 78 knives + 36 springs) - <b>Cod AL670</b> Fixed blades shaft 2,5 mm (nr 12 blades) - <b>Cod ACU610</b>
	Engine-knives shaft transmission	1 section B belt, with high performance coating
	Knife shaft bearings	Industrial cast iron supports with greaser
	working depth adjustment	11 Steps, with manual lever
TRANSMISSION	Traction	Rear wheels
	Speed regulator	Continuous, variable pulley variator
	Final transmission	Differential with free wheel sprockets and final chain drive
	Front / rear wheels	Pneumatic, 280 mm, on ball bearings
	Max speed	4,5 km/h
GENERAL INFORMATION	Weight	90 kg
	Work configuration - dimensions	800 x 1150 x 1070 h mm
	Transport configuration - dimensions	800 x 1150 x 750 h mm
	Chassis	Welded, 4mm thickness