

# CARRAROSPRAY

by

O. C. L. L.



**ATVM**



**ATV**



ATOMIZZATORI  
ATOMIZERS  
ATOMISEURS



**C**

**ET**



Air blast sprayer with engine and trailed sprayers

## ATVM - ATV - C - CV - ET

# ATVM

The **ATVM** is designed to work in narrow rows and muddy conditions. The spray nozzles are easily adjustable and can be individually shut off. One whole side or all of the nozzles can be shut off for using a hand gun or boom.

The new self operated **ATVM**, air blast sprayer is the ideal implement for small vineyard growers, nursery green houses, narrow row crops, and for all those working conditions where it is not possible to use a tractor with PTO.

The **ATVM trailer air-blast sprayer** is equipped with a 9HP gasoline engine. The engine driven air-blast fan and pump are independent of the towing vehicle.

This machine has been designed to operate behind ATV's and compact tractors and has, as an option, skids for mounting in the beds of pick-up trucks and compact carriers.



Directional air wings



Automatic mixer for powdered products



Monitor speed Km/h,  
delivery  $\ell$  /min -  $\ell$  tot, time (h)



Spraying calibrated computer  
Spraycontrol DPA



12 Volt electric remote control  
mod. ARAG with electric  
regulation and pressure-gauge  
in the tractor's cab



12 Volt electric remote  
control mod. ARAG



12 Volt electric remote control  
mod. MASOTTI

## ATVM 200



Adjustable drawbar



### Low maintenance cost

- designed and manufactured with state of the art technology thanks to years of experience in world markets;
- special treatment of the mechanical parts in contact with chemical and atmospheric agents.





Gearbox 1 speed and neutral



Clean water tank for hand washing and jet agitation



Trash-shield



Manual regulator valve



Motore Briggs & Stratton mod. Vanguard



### Easy of use

- easy coupling to any tractor;
- easily accessible controls;
- chart for calibrating spraying rates.



## QUAD + ATVM



### Carrarospray features

- reinforced steel frame: frame is protected from damage;
- reinforced polyethylene tank on mod. ATVM and ET or fibreglass mod. C: better resistance to stress, vibrations and bumps;
- rounded tank design: easy to clean, good maneuverability and easy to operate in narrow and low spaces without damaging crops;
- tank designed to facilitate complete emptying: total suction of the spray material even on inclined terrain - saves money on chemicals;
- clean water tank for hands washing: in accordance with CE rules, total absence of chemicals in water for hand washing;
- fan dynamically balanced: smooth and vibration free operation;
- rear bumper: prevents from the risk of possible damages when backing-up or tacking a turn;
- extra cock valve: useful for lance or other optional attachments;
- jet agitation: uniform mixture of the product;
- mechanical agitation: uniform concentration of mixture in the tank without creating foam;
- bearings in according with UNI-ISO rules: easily available in the market;
- gearbox 1 speed and neutral: possibility to change fan speed to adjust air volume and to stop the fan for hand gun use;
- suction filter with shut-off valve: easy cleaning and maintenance of suction filter even with a full tank;
- modern design: attractive lines and profile; easy to transport;
- tank drain valve: easily accessible for quick draining of tank without contact with chemicals;
- highly visible safety stickers: reduced risk of accidents for the operator;
- antidrip nozzles: pressure operated diaphragm check valve in each nozzle avoids leaking chemicals on the soil and saves money and the environment;
- electric remote control kit: allows remote control of spray system even on tractors with a pressurized cab;
- electronic calibration system: constant monitoring and control of the spray volume to keep the spray volume constant regardless of tractor travel speed;
- automatic mixer on chemical filling and filter basket: reduces operator contact with the chemical products.



### Versatility

- compact shape for maneuverability and operates in narrow and low vineyards;
- it will spray high or low and narrow orchards;
- various capacity tanks;
- single or double nozzle with diaphragm antidrip device and ceramic tips calibrated for both high and low volume spraying;
- remote control by manual or electric pressure regulator valve, adjustable from the tractor seat (the electric system is ideal for tractors provided with cabs);
- variable fan speed for more accurate spraying;
- pressure gauge directly visible from the tractor driver's cab;
- length-height adjustable or articulated drawbar to allow steering in very narrow spaces;
- wheels variable track and adjustable in height;
- constant velocity drive shaft to steering in very narrow spaces;
- possibility of use with handgun for localized treatments.



# ATVM 200-400



## Why Carrarospray is the right choice

- modern and attractive design;
- compact profiles;
- smooth lines are gentle to plants in confined rows;
- easy to transport;
- rugged construction for severe conditions and rounded tank for easy cleaning;
- high quality materials;
- company with quality system certified in accordance with UNI EN ISO 9001:2000;
- competitive price.



## Safety

- complies with latest CE regulations;
- anti polluting tank filler;
- automatic mixer on tank basket for powdered products;
- clean water tank for hand washing;
- safety valves;
- quick washing circuit for chemical residues;
- safety shielding for mechanical parts;
- rear lights for road travel.



## General features

- painted steel frame;
- polyethylene tank 200 or 400 liters with liquid level gauge;
- gearbox one speed and neutral;
- fan with adjustable blades Ø 500 mm (20 inch);
- manifold in stainless steel;
- suction filter with shut-off valve;
- jet agitation;
- top wings to adjust air fan;
- diaphragm pump AR30 (30 l/m - 40 bar);
- remote kit with regulation pressure valve;
- 8 single nozzles with diaphragm antidrip device, filter and ceramic tips;
- Briggs-Stratton engine 9 HP mod. Vanguard;
- vee-belts transmission;
- clean water tank for hand washing;
- wheels GARDEN 23x10.50-12 with inner tube;
- drawing bar;
- couple of skids for use on the flatcars of the vehicles.



**ATVM 200**  
**wheels version**



**ATVM 200**  
**skids version**



**ATVM 400**



Clean water tank for hand  
washing and jet agitation



## General features

- painted steel frame;
- polyethylene tank 300 or 400 liters with liquid level gauge;
- gearbox one speed and neutral;
- fan with adjustable blades Ø 500 mm (20 inch);
- manifold in stainless steel;
- suction filter with shut-off valve;
- jet agitation;
- top wings to adjust air fan;
- diaphragm pump AR30 (30 l/m - 40 bar);
- remote kit with regulation pressure valve;
- 8 single nozzles with diaphragm antidrip device, filter and ceramic tips;
- clean water tank for hand washing;
- wheels GARDEN 23x10.50-12 with inner tube or narrow wheels 4,50x10" (maximum width 75 cm);
- drawing bar;
- couple of skids for use on the flatcars of the vehicles.

ATV has been realized for working in the narrow vineyards with mini tractors endowed with taking of rotating strength to 540 rpm. Maximum width outside wheel is of 75 cm with the wheels 4,50x10". Air blast sprayer is run by the PTO of tractors with a motor of at least 18 HP.

# ATV 300-400

## VERSION WITHOUT ENGINE



**ATV 300**



Trash-shield



Rear rail



Adjustable drawbar



Manual regulator valve







## Where it can be used

Ideal for open field crops and localised treatments with handgun of gardens, paddy-fields, greenhouses, vegetable, cotton, tobacco, orchards, vineyards, tropical cultivations of small and medium size.



## General features

- frame made of painted steel;
- tank with volume level gauge in polyethylene on mod. ET;
- tank with volume level gauge in fiberglass on mod. C;
- version with 4 stroke engine;
- version with P.T.O. shaft;
- diaphragm pump with pressure regulator valve;
- suction filter for easy maintenance;
- jet or mechanical agitation;
- tubed wheels with adjustable axle.



## What it is meant for

Application of plant and crop protection products.



Hydraulic brake



Clean water tank for hand washing



ET 600

C 1000

C 1500



## Low maintenance cost

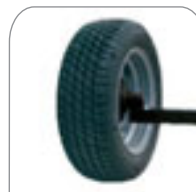
- designed and manufactured with state of the art technology thanks to years experience in world markets;
- special treatment of the mechanical parts in contact with chemical and atmospheric agents.



## Easy of use

- easy coupling to any tractor;
- easily accessible controls;
- chart for calibrating spraying rates.

Adjustable axles 360°

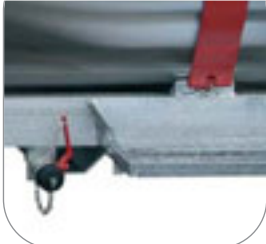


Adjustable steering drawbar fitted to the II point attachment



Adjustable steering drawbar fitted to the hook drawing





Outlet valve at CE rules



Suction filter with shut-off valve



Fresh water tank for cleaning off chemical residues



Mechanical agitation



## Versatility

- compact shape for maneuverability for severe conditions;
- various capacity tanks;
- rounded tank designs do not damage crops;
- various capacity pumps: at high pressure for localised treatments and at low pressure for open filed crops;
- various powers engine;
- application attachment: localised treatment with hose reel and spraygun, mechanical boom for open field crops, vineyard and orchards boom;
- wheel variable track and adjustable in height;
- lenght-height adjustable or articulated drawbar to allow in steering in very narrow spaces;
- possibility to use spraygun for localised treatments;
- nozzles with anti-drip system, filter and calibrated tips for both high and low volume spraying.



**CV 1000**



**CV - BDV 18 m**  
hydraulic system

Adjustable drawbar with clevis hitch



Adjustable drawbar with eye hitch

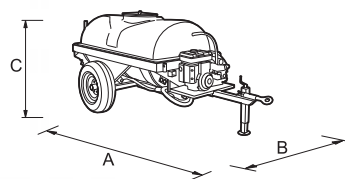


MOD.	Ø(mm)	gall U.S.	Hp
CV 1000	1000	265	40-50
CV 1500	1500	400	40-50

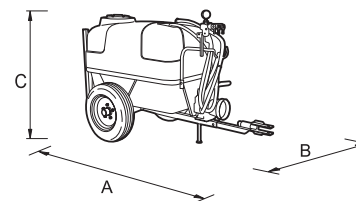


## Technical Data

	ℓ (U.S. gall)	HP	A (mm)	B (mm)	C (mm)
<b>C 300</b>	300 (80)	15-20	1380	950	1150
<b>C 400</b>	400 (100)	15-20	1450	960	1280
<b>C 500</b>	500 (130)	20-25	1670	1000	1280
<b>C 600</b>	600 (150)	20-25	1720	1020	1280
<b>C 800</b>	800 (200)	25-30	2135	1025	1450
<b>C 1000</b>	1000 (265)	25-30	2200	1150	1450
<b>C 1500</b>	1500 (400)	30-40	2350	1450	1450

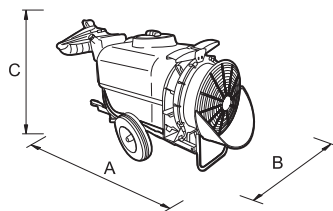
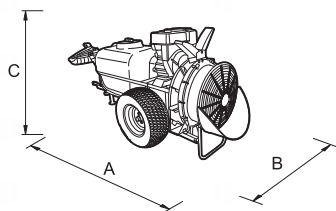


	ℓ (U.S. gall)	HP	A (mm)	B (mm)	C (mm)
<b>ET 300</b>	300 (80)	15-20	1350	1000	1110
<b>ET 400</b>	400 (100)	15-20	1350	1000	1365
<b>ET 500</b>	500 (130)	20-25	1620	1150	1135
<b>ET 600</b>	600 (150)	20-25	1620	1150	1245
<b>ET 800</b>	800 (200)	25-30	1870	1250	1155
<b>ET 1000</b>	1000 (265)	25-30	1870	1250	1300



	ℓ (U.S. gall)	mm (inch)	r.p.m.	mc/h	c.f.m.	N.	ℓ/min	HP
<b>ATVM 200</b>	200 (50)	500 (20)	2484	29250	17280	8	30	9
<b>ATVM 400</b>	400 (100)	500 (20)	2484	29250	17280	8	30	9

<b>ATV 300</b>	300 (75)	500 (20)	2484	29250	17280	8	30	9
<b>ATV 400</b>	400 (100)	500 (20)	2484	29250	17280	8	30	9



	ATVM 200 (50 USG)		ATVM 400 (1000 USG)		ATV 300 (75 USG)		ATV 400 (100 USG)	
	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)
Width without wheels	620	24	670	26	670	26	670	26
Height without wheels	750	30	1050	41	860	34	1050	41
Lenght without drawbar	1400	55	1500	59	2000	79	2000	79
Lenght with drawbar	2050 ÷ 2250	81 ÷ 89	2150 ÷ 2350	85 ÷ 93	2650	104	2650	104
Width with wheels	900	35	950	37	750	29	750	29
Height with wheels	1000 ÷ 1080	39 ÷ 43	1300 ÷ 1380	51 ÷ 54	1130	44	1380	54
Lenght with skids	620	24	670	26	-	-	-	-
Height with skids	800	31	1100	43	-	-	-	-