Air blast sprayer with engine and trailed sprayers

ATVM - ATV - C - CV - ET
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 greenhouses, 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.

- 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.
**Cararraspray 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;
- mechanics 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.

**Easy of use**

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

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- 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.

VERSION WITHOUT ENGINE
C-ET

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.

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.

Clean water tank for hand washing

Hydraulic brake

ET 600

C 1000

C 1500

C-ET

C-ET

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Clean water tank for hand washing

Hydraulic brake
**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;
- length-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.

<table>
<thead>
<tr>
<th>MOD.</th>
<th>Ø(mm)</th>
<th>gall U.S.</th>
<th>Hp</th>
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<tr>
<td>CV 1000</td>
<td>1000</td>
<td>265</td>
<td>40-50</td>
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<tr>
<td>CV 1500</td>
<td>1500</td>
<td>400</td>
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### Technical Data

#### C (mm)
<table>
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<tr>
<th>( \ell ) (U.S. gall)</th>
<th>HP</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
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<td>1380</td>
<td>950</td>
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<tr>
<td>C 400</td>
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<td>C 500</td>
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<td>1670</td>
<td>1000</td>
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<tr>
<td>C 600</td>
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<td>1020</td>
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<td>2135</td>
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<tr>
<td>C 1000</td>
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<tr>
<td>C 1500</td>
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<td>30-40</td>
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<td>1450</td>
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#### \( \ell \) (U.S. gall)\n
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<tr>
<th>( \ell ) (U.S. gall)</th>
<th>mm (inch)</th>
<th>r.p.m.</th>
<th>m³/h</th>
<th>c.f.m.</th>
<th>N.</th>
<th>( \ell )/min</th>
<th>HP</th>
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<tr>
<td>ATVM 200</td>
<td>200 (50)</td>
<td>500 (20)</td>
<td>2484</td>
<td>29250</td>
<td>17280</td>
<td>8</td>
<td>30</td>
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<tr>
<td>ATVM 400</td>
<td>400 (100)</td>
<td>500 (20)</td>
<td>2484</td>
<td>29250</td>
<td>17280</td>
<td>8</td>
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<tr>
<td>ATV 300</td>
<td>300 (75)</td>
<td>500 (20)</td>
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</tr>
</tbody>
</table>

#### Width without wheels
- ATVM 200 (50 USG): 620 mm (24 in)
- ATVM 400 (100 USG): 670 mm (26 in)
- ATV 300 (75 USG): 670 mm (26 in)
- ATV 400 (100 USG): 670 mm (26 in)

#### Height without wheels
- ATVM 200 (50 USG): 750 mm (30 in)
- ATVM 400 (100 USG): 1050 mm (41 in)
- ATV 300 (75 USG): 860 mm (34 in)
- ATV 400 (100 USG): 1050 mm (41 in)

#### Length without drawbar
- ATVM 200 (50 USG): 1400 mm (55 in)
- ATVM 400 (100 USG): 1500 mm (59 in)
- ATV 300 (75 USG): 2000 mm (79 in)
- ATV 400 (100 USG): 2000 mm (79 in)

#### Length with drawbar
- ATVM 200 (50 USG): 2050 - 2250 mm (81 - 89 in)
- ATVM 400 (100 USG): 2150 - 2350 mm (85 - 93 in)
- ATV 300 (75 USG): 2650 mm (104 in)
- ATV 400 (100 USG): 2650 mm (104 in)

#### Width with wheels
- ATVM 200 (50 USG): 900 mm (35 in)
- ATVM 400 (100 USG): 950 mm (37 in)
- ATV 300 (75 USG): 750 mm (29 in)
- ATV 400 (100 USG): 750 mm (29 in)

#### Height with wheels
- ATVM 200 (50 USG): 1000 - 1080 mm (39 - 43 in)
- ATVM 400 (100 USG): 1300 - 1380 mm (51 - 54 in)
- ATV 300 (75 USG): 1130 mm (44 in)
- ATV 400 (100 USG): 1380 mm (54 in)

#### Length with skids
- ATVM 200 (50 USG): 620 mm (24 in)
- ATVM 400 (100 USG): 670 mm (26 in)
- ATV 300 (75 USG): -
- ATV 400 (100 USG): -

#### Height with skids
- ATVM 200 (50 USG): 800 mm (31 in)
- ATVM 400 (100 USG): 1100 mm (43 in)
- ATV 300 (75 USG): -
- ATV 400 (100 USG): -