



GOLD MEDAL - NEW TECHNOLOGY
FIERAGRICOLA VERONA 1991

CERTIFIED 

**SMART
SOLUTIONS**
for a
**MODERN &
ECO-FRIENDLY
FARMING**

Electrostatic Sprayer

WHIRLWIND "TURBO 2"

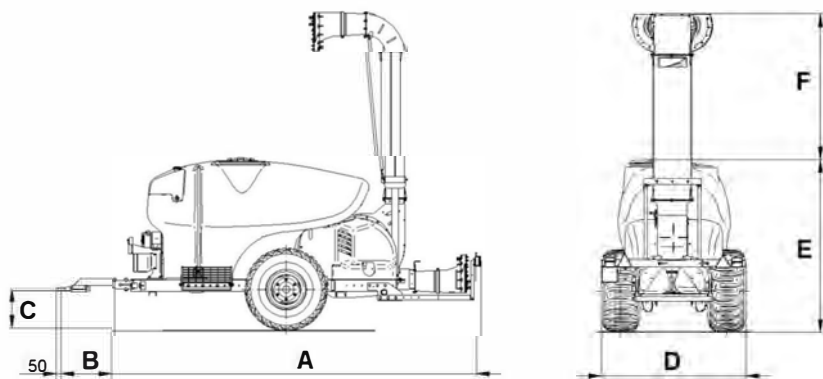
Patent N.° BO 91 U 000040



FIRST TOWER SPRAYER ever with DOUBLE TARGETED ANTI-DRIFT DISTRIBUTION now with NEW TELESCOPIC RAISING SYSTEM. PERFECT for treating VINEYARDS with "T" trellis (for cross-spray on bunches), ORCHARDS, CITRUS, WALNUTS, OLIVES, CHESTNUTS, HAZELNUTS, ALMONDS, tropical crops such as MANGO, AVOCADO, MACADAMIA, etc..

TREATED WITH  **ELECTROSTATIC®**
AGRO SPRAY SYSTEM

TECHNICAL DATA



Description	WW M612 Turbo2				
Capacity (lt)					
Tank	600	1000	1500	2000	3000
Circuit Rinsing Tank	32		120		234
Hand Wash Tank	12		25		15
Weight (kg)					
Empty Mass	920	980	1265	1310	1650
Fully Loaded Mass	1580	2200	2950	3500	5340
Tires					
260/70 - 15.3 (1)	✓	✓			
340/55 - 16 (2)		✓	✓	✓	
300/80 - 15.3 (3)	✓		✓		
400/60 - 15.5 (4)		✓	✓	✓	✓
500/50 - 17 (5)				✓	✓
Drawbar					
Fixed Drawbar (6)	✓	✓	✓	✓	✓
Homologated articulated drawbar (7)	✓	✓	✓	✓	
Dimensions (mm)					
A	3125	3650	3935	4625	5220
B (6)	555 ÷ 700				
B (7)	705				
C (1)	330 ÷ 480		-	-	-
C (2)	-	335 ÷ 485	325 ÷ 475	410 ÷ 560	-
C (3)	385 ÷ 535		375 ÷ 525	-	-
C (4)	-	390 ÷ 540	380 ÷ 530	465 ÷ 615	485 ÷ 675
C (5)	-	-	-	500 ÷ 650	520 ÷ 710
D (1)	1360	1420	-	-	-
D (2)	-	1480	1600	1630	-
D (3)	1390	1450	1570	-	-
D (4)	-	1550	1670	1700	1900
D (5)	-	-	-	1770	2000
E (1)	1445	1490	-	-	-
E (2)	-	1495	1725	1585	-
E (3)	1500	1545	1775	-	-
E (4)	-	1550	1780	1640	1965
E (5)	-	-	-	1675	2000
F (tower 300 mm)	380	490	345	485	270
F (tower 500 mm)	580	690	545	685	470
F (tower 750 mm)	830	940	795	935	720
F (tower 1000 mm)	1080	1190	1045	1185	970
F (tower 1500 mm)	1580	1690	1545	1685	1470
F (tower 2000 mm)	2080	2190	2045	2185	1970
Total Machine Height	E + F				
Mist Blower Specifications					
	STANDARD Transmission		MAJOR Transmission		
Tractor Power Required	51 kW / 70 CV		62 kW / 85 CV		
Absorbed power by the Sprayer	26 kW / 35 CV		41 kW / 55 CV		
Pump flow rate (l/min.)	from 250 to 500		from 250 to 500		
Operating Pressure (bar)	1.5		1.5		
Fan Air Capacity (m ³ /h)	19200		24000		
Air Speed (m/s)	70		70		
Fan rotation Speed (rpm)	2300		2600		
Sound Power Level db(A)	110 dB(A)		110 dB(A)		

CONSTRUCTION FEATURES

The model was conceived together with the development of the DOUBLE OUTLET centrifugal FAN, which allowed to add to the standard 2-sector diffuser another identical overhead on a variable height tower mounted on the new vertical outlet, to obtain a more rational distribution, defined "H.T.S." (Hit Target System).

It's interesting to know that in the 1991 season an example of the Turbo 2 was asked by the University of Padua (Italy) to carry out treatment tests in an APPLE TREE to verify the phytosanitary efficacy of the LOW VOLUME against Aphids and the Apple Maggot and the ability of the TARGETED ELECTROSTATIC DISTRIBUTION to DRASTICALLY REDUCE dispersions in the environment (in the ground and in the air).

Here are the results:
operating at 150 l/ha of 10 times concentrated mixture with a speed of 6.3 km/h, it has demonstrated efficacy greater than 1500 l/ha of the conventional sprayer in the fight against fungus and aphids and the same effects in other insecticide treatments. The upward DRIFT was 85% lower with ground losses lower than 70% (See the acts of the Phytopathological Days Proceedings 1992 - 3 - 287 - 296)

ACCESSORIES ON REQUEST

- Bravo 180S automatic rate controller
- EU Road Homologation (Regulation 167/2013)
- Tandem axle
- "H.T.S." TELESCOPIC tower
- Hydraulic adjustment of the two upper heads
- "NUT" kit with double cannon/fan head



MARTIGNANI S.r.l.

Via Fermi, 63 48020

S. Agata sul Santerno (RA) ITALY

Tel. +39 0545 23077 - Fax +39 0545 30664

martignani@martignani.com -

www.martignani.com