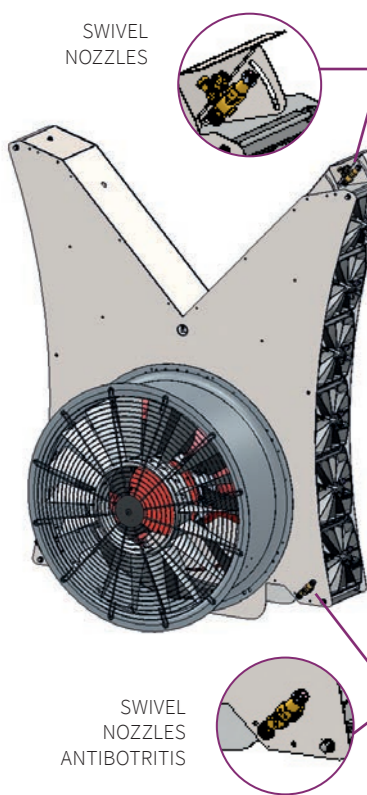


TWISTER ESPALDERA AIR SYSTEM



- Stainless steel pipes
- Steel propeller with 18 blades to ensure homogeneous air distribution of air volume on both sides
- Triple air ducting system, which prevents the collision between fastest air produced in the upper part of propeller and slower generated in central part. This system increases the efficiency
- Mañez Lozano gearbox with two speeds and a neutral, able to transmit strong power
- Alluminium iron centrifugal clutch that allows a soft and progressive start and stop.
- Propeller with duraluminium hub with steel sleeve to prevent wear due to friction with the clutch.
- 8 adjustable helical pitch blades that regulate energy/power absorption, reducing noise level and fuel consumption.
- Pale made of nylon and fiberglass. Lightweight, resistant, rigid and unalterable to corrosion
- Triple anti-drop nozzle holders with turbulence nozzles
- Twister diffuser generates spiral turbulent air flow, allowing to move the leaves and preventing shielding effect and getting best penetration inside the tree



ESPECIALLY DESIGNED FOR VINES IN SPALIER



AIR SYSTEM CHARACTERISTICS

FAN	BLADES	SPEED	NOZZLE HOLDERS	CLUTCH	AIR DUCTS	HP	RANGE (m)	
Ø mm	nº	gear			nº	RPM 540	LAT.	VERT.
820	8	1	24	✓	3	27	5	6
820	8	2	24	✓	3	38	7	8

TWISTER ESPALDERA



mañez lozano

Passion, experience, compromise and innovation



TWISTER ESPALDERA



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www.manezylozano.com

DISTRIBUTOR:

STANDARD EQUIPMENT

- Double structural tube frame
- Telescopic drawbar
- Side step for reaching tank filler lid
- Jockey wheel for parking sprayer
- High quality polyethylene main tank with uniform thickness and front and side level indicator
- Hand wash and sistem rinse tank
- Multiple filtering system
- Product mixer
- Cleaning robot inside the main tank
- Hydraulic stirrer
- Mañez Lozano high pressure piston pump with reduction shaft
- ON/OFF electric control command
- Through tank PTO class 4 SAE G7
- Tractor PTO class 4 SAE G7



The Mañez Lozano reductor shaft pump is specially designed for atomizers. This pump is mounted with a reducer and through shaft: the through shaft allows us to directly transmit the revolutions of the tractor joint shaft to the air system, and the reduction decreases the revolutions of the pump crankshaft, lowering the power absorption and, therefore, both the fuel consumption and wear of the pump.

Control with double switch to increase or decrease pressure (optional) and two switches to activate or deactivate the left and right solenoid valves.

TWISTER ESPALDERA



MAÑEZ LOZANO GEARBOX

- Parallel axes with two speeds and neutral
- Cast iron housing of great robustness
- Transmission ratio for slow speed 1: 3.5 and 1: 4.4 for fast speed
- Oil bath lubricated gear
- Easy access and maintenance
- Mechanism able to support strong power



VOLUMETRIC CONTROL COMMAND

- It is able to apply required l/Ha for each treatment depending on forward speed (DPA) and distance between rows
- 3.2 TFT color display (320x240), which allows to visualize all the functions at same time
- Identification of electrical failures indicated by alarms on the screen
- Agenda that allows to work on 50 different orchards and 15 different treatments



SISTROMATIC CONTROL COMMAND

- Ultrasonic sensors to detect trees
- Counters of plants and trees in real time
- Control of input and output delays
- 3.2 TFT color screens (320x240) with backlit keyboard
- Identification of electrical faults using on-screen alarms

FEATURES

MAXIMUM VERSATILITY

Thanks to the upper and lower swivel nozzles, it is possible to ensure the compatibility of this sprayer for vines in espalier with goblet pruned vines, but also to trees treatment

HIGH ROBUSTNESS

Thanks to its robust design and these simple forms, we avoid mechanical problems and breakage, caused by vegetation, as occurs in nebulizers with braces applications

APPLICATION SPEED

The high application speed and great maneuverability make it possible to reduce application time and obtaining maximum of yield

HIGH EFFICIENCY

Twister technology makes possible to treat 4 plant halves in a single pass

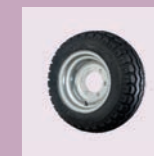
TECHNICAL SPECIFICATIONS

TANK CAPACITY (Liters)			SHAFT-DRIVE-TYRES			WEIGHT	DIMENSIONS		
MAIN	HAND-WASH	SYSTEM-RINSE	SHAFT	DRIVE	TYRES	KG	A	B	C
800	15	80	45X1100	94-6T	10.0/80-12"	400	116	266	140
1000	15	100	45X1100	94-6T	10.0/80-12"	450	132	272	145
1500	15	150	50X1200	161-6T	10.0/75-15.3"	550	147	283	150
2000	15	200	50X1200	161-6T	10.0/75-15.3"	600	157	312	157
3000	15	300	70X1500	161-6T	13.0/65-18"	900	179	352	175

OPTIONAL EQUIPMENT



ARTICULATED DRAWBAR TO TRACTOR HOOK



340/55-16" WHEELS



ARTICULATED DRAWBAR TO TRACTOR ARMS



ANTI-LEAF GRILL



LEAF FLAP



PRESSURE REGULATOR ELECTRONIC VALVE KIT



BACK BOX



TRONIC VOLUMETRIC CONTROL KIT



HYDRAULIC BRAKES



SISTROMATIC CONTROL KIT



LIGHTING INSTALLATION