

# No Sprayer Delivers More

## Jacto **Advance Vortex** Trailed Air-Assist Boom Sprayer

**Electronic Masterflow Control Valve With JSC Computer Spray Controller**  
For precise spray application.

**Chemical Circuit Rinse System**  
To Safeguard The Environment.

**800-Gallon Poly Tank**  
UV resistant, high-density polyethylene.

**Independent Controls For Each Boom Section**  
For more versatile spraying.

**Hydraulically Driven Fan**  
Produces 23,555 cfm at 62 mph.



**Ceramic Cylinder JP-100 High-Pressure Piston Pump**  
Delivers up to 26 gpm

**Chemical Mixer With Chemical Container Triple-Rinse System**  
Protects the operator and the environment.

**Air-Assist Boom**  
60 foot length for more efficient spraying.

**Hydraulically-Controlled Height Adjustment**  
For various crop sizes.

**37 Flip-Over Nozzle Holders**  
For rapid application rate changes or individual nozzle shutoff.



Air-Assist Boom System On



Air-Assist Boom System Off

**Jacto**<sup>®</sup>  
No Sprayer Delivers More

*Jacto's Advance Vortex air-assist boom sprayer is trailer-mounted and has an 800-gallon capacity. It provides unsurpassed crop coverage and protection by utilizing Jacto's air-assist boom system that displaces the "dead" air around your crop with the spray solution suspended in high-speed "Vortex" air. Air-assist boom spraying can reduce drift between 57 and 71%. It features a 60 foot hydraulically-controlled boom with electronic in-cab computerized controls, hydraulically operated fan, ceramic cylinder high-pressure piston pump, and much more.*

**ADVANCE VORTEX Trailed Air-Assist Boom Sprayer**

**Jacto ADVANCE VORTEX**

Cat# AV010803 ©2003, Jacto, Inc.  
Photo shown for reference only. Actual sprayer may vary.

**Jacto ADVANCE VORTEX Trailed Air-Assist Boom Sprayer**

Weight	Empty	4,674 lbs.
Dimensions	Length	225 in.
	Width	124 in.
	Height	139 in.
	Track Width	71 to 95 in.
	Ground Clearance	26 in.
Tank	Capacity	800 gal.
	Material	Polyethylene
Chem Circuit Rinse Tank	Capacity	53 gal.
	Material	Polyethylene
Filter	Model	FVS-200
	Mesh	24/40
Pump	Model	JP-100
	Capacity	26 gpm
	Maximum Working Pressure	300 psi
	Power Consumption	5.6 hp at 300 psi
Control Valve	Model	Masterflow With Electronic In-Cab Controls
Nozzles	Nozzle Type	Bijet Double Nozzle Holder
	Quantity	37
	Model	JA-2 (Cone)/AVI-05 (Flat Fan)
	Recommended Maximum Pressure	JA-2 (200 psi)/AVI-05 (90 psi)
	Spacing	20 in.
Boom	Length	60 ft.
	Actuation	Hydraulic
	Height	23 in. to 61 in.
Fan	Rotation	2,800 to 3,000 rpm
	Air Volume	23,555 cfm
	Air Speed	62 mph
	Power Consumption	25 hp
Hydraulic Pump	Capacity	18.5 gpm
	Rotation	1,550 rpm
	Oil Type	ISO VG-68
	Oil Reservoir Capacity	20 gal.

**Additional Equipment Specifications**

Maximum PTO Speed	540 rpm	Maximum Power Consumption	30.6 hp
Minimum Recommended Tractor	90 hp	Recommended Maximum Working Speed	7.4 mph

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## Jacto Falcon Vortex Air-Assist Boom Sprayer

**Boom Folds Up**  
For easy transport.

**Hydraulically Driven Fan**  
Produces 18,822 cfm at 62 mph.

**160-Gallon Poly Tank**  
UV resistant, high-density polyethylene.

**Air Assistance For Reduced Drift**  
Improves penetration even on windy days.

**Masterflow With In-Cab Electronic Controls**  
For ease of operation.



**Breakaway Booms**  
For crop and boom protection.

**Chemical Mixer With Chemical Container Triple-Rinse System**  
Protects the operator and the environment.

**Air-Assist Boom**  
46 foot fully hydraulic.

**Hydraulically-Controlled Height Adjustment**  
For various crop sizes.

**29 Flip-Over Nozzle Holders**  
For rapid application rate changes or individual nozzle shutoff.



Air-Assist Boom System On



Air-Assist Boom System Off

**Jacto**<sup>®</sup>  
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*Jacto's Falcon Vortex air-assist boom sprayer is a 3-point hitch, 160-gallon capacity boom sprayer. It provides unsurpassed crop coverage and protection by utilizing Jacto's air-assist boom system that displaces the "dead" air around your crop with the spray solution suspended in high-speed "Vortex" air. Air-assist boom spraying can reduce drift between 57 and 71%. 46 foot hydraulically-controlled boom with electronic in-cab controls, hydraulically operated fan, ceramic cylinder high-pressure piston pump, and much more.*

**FALCON VORTEX Air-Assist Boom Sprayer**

Jacto **FALCON VORTEX**

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Photo shown for reference only. Actual sprayer may vary.



*Specifications*

**Jacto FALCON VORTEX Air-Assist Boom Sprayer**

Weight	Empty	1,609 lbs.
Dimensions	Length	66 in.
	Width	97 in.
	Height Without Boom	111 in.
	Height With Folded Boom	130 in.
Tank	Capacity	160 gal.
	Material	Polyethylene
Filter	Model	FVS-100
	Mesh	60
Pump	Model	JP-75
	Capacity	20 gpm
	Maximum Working Pressure	150 psi
	Power Consumption	2.3 hp at 150 psi
Control	Model	Masterflow With Electronic In-Cab Controls
Nozzles	Nozzle Type	Bijet Double Nozzle Holder
	Model	JA-2 (Cone)/AXI 110-02 (Flat Fan)
	Quantity	29
	Recommended Maximum Pressure	JA-2 (150 psi)/AXI 110-02 (60 psi)
Boom	Spacing	20 in.
	Length	46 ft.
	Actuation	Hydraulic
Fan	Height	20 to 51 in.
	Rotation	2,800 rpm
	Air Volume	18,822 cfm
	Air Speed	62 mph
Hydraulic Pump	Power Consumption	21.3 hp
	Capacity	13 gpm
	Rotation	2,250 rpm
	Oil Type	ISO VG-68
	Oil Reservoir Capacity	12 gal.

**Additional Equipment Specifications**

Maximum PTO Speed	540 rpm	Maximum Power Consumption	23.6 hp
Minimum Recommended Tractor	80 hp	Minimum Recommended 3-Point Lift Capacity	3,000 lbs
Recommended Maximum Working Speed	6 mph		



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Specifications subject to change without notice.

# No Sprayer Delivers More

## Jacto PH 400 SA Hooded Boom Sprayer

### Chemical Container Triple-Rinse System

Protects the operator and the environment.

### 105-Gallon Poly Tank

UV resistant, high-density, polyethylene.

### 4-Way Control Valve

With quick relief and pressure gauge.

### Hand Gun

Optionally available to allow spot spraying.

### High-Pressure Piston Pump

10 GPM Ceramic cylinder JP-402 for long life and durability.



### Hooded Boom Sprayer

Polyethylene hoods over booms virtually eliminate drift.

### Adjustable Spray Width

9.5 to 12 feet (side wings extended); 5 to 6.5 feet (center section only).

### Breakaway Boom

For crop and boom protection.

Jacto offers a complete line of Air Assist Boom Sprayers for vegetables, cotton, and other specialty crops.



Falcon Vortex

**Jacto**<sup>®</sup>  
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*The Jacto PH 400 SA Hooded Boom Sprayer provides excellent and efficient application of herbicides and pesticides in orchards, groves, vineyards, golf courses, berry, and other specialty applications to ensure that the chemicals are applied only where they are needed.*

PH 400 SA Hooded Boom Sprayer

Jacto PH 400 SA

Cat# PH400SA010803 ©2003, Jacto, Inc.  
Photo shown for reference only. Actual sprayer may vary.



*Specifications*

**Jacto PH 400 SA Hooded Boom Sprayer**

Weight	PH 400 SA	463 lbs.
Dimensions	Length	59 in.
	Width with Wings Folded	60-78 in.
	Width with Wings Down	114-144 in.
	Height	56 in.
Tank	Capacity	105 gal.
	Material	Polyethylene
Filter	Model	FVS-100
	Mesh	60
Pump	Model	JP-402
	Capacity	10 gpm
	Power Consumption	1.1 hp
	Piston Quantity	3
Control	Model	CJ-1
Nozzles	Nozzle Type	Deflector/Flat Fan
	Model	DEF-015 / SF-110-015
	Quantity	5
	Recommended Maximum Pressure	30 psi
Spray Swath	Length with Boom Folded Down	10 to 12 ft.
	Length with Boom Folded Up	5 to 7 ft.
Agitation	Model	Bypass With Venturi

**Additional Equipment Specifications**

Maximum PTO Speed	540 rpm
Maximum Power Consumption	1.1 hp
Recommended Tractor	30 hp - with Front Weights
Minimum Required 3-Point Lift Capacity	1500 lbs.
Recommended Maximum Working Speed	4 mph



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