

APACHE by **ET**
SPRAYERS



2019 | SELF-PROPELLED SPRAYERS

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EQUIPMENT TECHNOLOGIES IS ALL ABOUT SPRAYERS

Some ag equipment manufacturers think the more products, the better. Tractors, combines, row crop planters and even general consumer products such as riding lawn mowers and utility vehicles — they make it all. With so many products to design, build and support, where do you suppose sprayers rank in terms of importance? We do things differently. Founded in 1997, Equipment Technologies has been a sprayer company — and only a sprayer company — since day one. We build sprayers — that's it.



Matt Hays, *Chief Executive Officer*

UNIQUE FEATURES



AS640



AS740



AS1040



AS1240/AS1240 XP

CHASSIS, SUSPENSION & TIRES	TANK CAPACITY	650 gal	750 gal	1,000 gal	1,200 gal
	WEIGHT (APPROXIMATE DRY WEIGHT)	16,900 lbs	19,700 lbs	20,000 lbs	21,000 lbs
	AXLE WIDTH	88", 90", 108" or 120" fixed	120" fixed 120"-160" adjustable (with optional 50" clearance only)	120" fixed 120"-160" adjustable (with optional 50" clearance only)	120" fixed 120"-160" adjustable
	TRANSPORT WIDTH & HEIGHT	144" maximum	144" maximum	144" maximum	144" maximum
	OVERALL LENGTH	290" maximum	290" maximum	290" maximum	290" maximum
	TURNING RADIUS	17' 2"	18'	18'	18'
	WHEEL BASE	13' 8"	15'	15'	15'
	FRONT TIRES (STANDARD)	Michelin® 380/85R34	Michelin 380/80R38	Michelin 380/80R38	Michelin 380/80R38
	REAR TIRES (STANDARD)	Michelin 380/80R38	Michelin 380/90R46	Michelin 380/90R46	Michelin 380/90R46
SPRAY OPTIONS	CROP CLEARANCE	42" or 48" based on tire selection with JCB final drives	JCB 42" with planetary final drive 50" with 18" drop box all-gear final drives (optional)	JCB 42" with planetary final drive 50" with 18" drop box all-gear final drives (optional)	50" with 18" drop box all-gear final drives
	BOOMS	ET Custom Boom (Steel) Straight 90' or 60'/90' Pommier (Aluminum) Straight 100'	ET Custom Boom (Steel) Straight 90', 100' or 60'/90' Pommier (Aluminum) Straight 100', 120' or 132'	ET Custom Boom (Steel) Straight 90', 100' or 60'/90' Pommier (Aluminum) Straight 100', 120' or 132'	ET Custom Boom (Steel) Straight 90', 100' or 60'/90' Pommier (Aluminum) Straight 100', 120' or 132'
	RINSE TANK	50 gal	100 gal	100 gal	100 gal
ENGINE & DRIVETRAIN	RATED HORSEPOWER	163 hp	173 hp	225 hp	260 hp, 300 hp
	DRIVELINE EFFICIENCY	90%	90%	90%	90%
	PTG: HP PER 1,000 lbs.	8.7	7.9	10.1	11.1, 12.9
	FUEL TANK CAPACITY	80 gal	90 gal	90 gal	90 gal
	SUSPENSION	Active airbag with independent front	Patented independent hydraulic	Patented independent hydraulic	Patented independent hydraulic
	TOP ROAD SPEED	32 mph	30 mph	35 mph	35 mph
	TRANSMISSION	JCB transmission Powershift, 4-speed	JCB transmission Powershift, 4-speed	ZF Powershift, 6-speed with lock-up torque converter	ZF Powershift, 6-speed with lock-up torque converter
	ENGINE	Cummins Tier 4F 163 hp (rated)	Cummins Tier 4F 173 hp (rated)	Cummins Tier 4F 225 hp (rated)	Cummins Tier 4F 260 hp (rated) Cummins Tier 4F 300 hp (rated)

COMMON FEATURES

CHASSIS & SUSPENSION	BRAKES	Fully enclosed, self-adjusting, internal wet disc brakes
	DEF TANK	5 gal
CAB	PRECISION APPLICATION EQUIPMENT	Raven Viper® 4+, Hawkeye®, AccuBoom™, UltraGlide AutoBoom® and RS1™ Advanced Steering
	ET CUSTOM PRESSURIZED	State-of-the-art interior and console

2019 ENHANCEMENTS

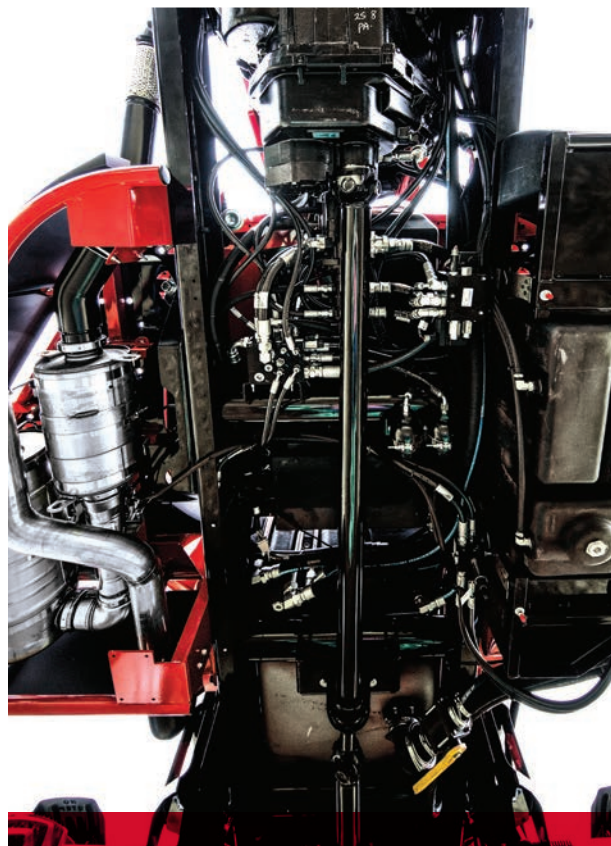


STREAMLINED ENGINEERING



■ Enhanced Hood Design

The all-new one-piece hood showcases a refreshed color scheme with bold decals to signify the raw power found within every Apache Sprayer. You'll be turning heads everywhere you go.



■ Load-Distributing Frame Structure

An added cross member provides improved load distribution under the product tank for better balance even in rough field conditions.



■ Robust Adjustable Axle (Optional)

Choose the standard fixed axle or upgrade to an adjustable axle for increased flexibility in the field with its high-capacity and splined kingpins.

“ Having my own sprayer is like having a guy ready to work for me at any time. Now, we spray exactly when we need to spray. It's handy to have. Spraying myself definitely saves me about \$3 per acre. ” — Miles Adkins from Ullin, Illinois

CUTTING-EDGE PRECISION TECHNOLOGY



■ Raven Advanced RS1™ Steering System

Are you ready for the most accurate high speed steering system in the industry? The advanced RS1 system provides next-level steering accuracy with several additional features in one convenient package — including advanced steering electronics, Viper 4+ advanced field computer, product application control and boom controls.



■ In-Cab Remote Support

Meet your new wingman. Raven Slingshot® remote support comes standard with an unbeatable free two-year subscription to the Slingshot system. Get all the help you need with remote troubleshooting, software updates and operator assistant functions. The subscription includes access to the machine and precision data for faster troubleshooting, over-the-air updates, remote desktop service help, data logging, machine diagnostics, data analytics and much more.

OPERATOR CONVENIENCE



■ Positive-Position Joystick

The new positive-position joystick has been custom engineered to fit into the 2019 design. This joystick boasts an incredibly versatile and durable dual-axis configuration.

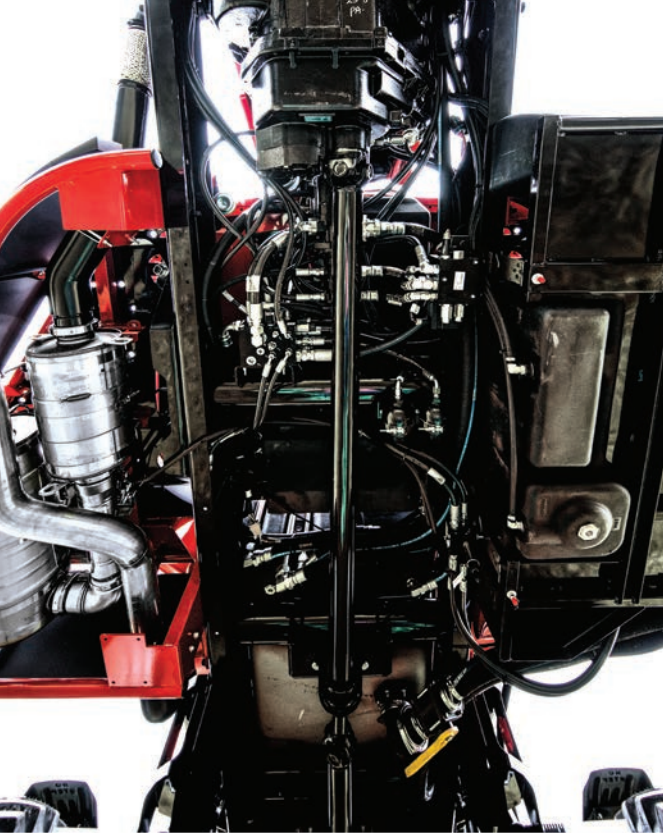


■ Bluetooth® Capabilities*

You've appreciated the power of Bluetooth in your truck for years, it's time to bring this great feature to another cab in your life — the cab of your Apache Sprayer. Enjoy the all-new Bluetooth-ready Jensen® audio system with hands-free calling and SiriusXM® satellite radio. Crystal-clear sound from four Jensen speakers will keep you entertained during the long days (and nights) ahead.

*Standard cab on the AS640 comes with two speakers and does not include Bluetooth hands-free calling.

“I’ve been farming a long time and have had a lot of pull-type sprayers. Efficiency is the main thing. With our Apache Sprayer, we’ve done away with overlap, are less likely to make mistakes and get good clearance. We can go over a lot of crops a lot quicker.” — **Ronnie Russell from Water View, Virginia**



WHY RUN WITH APACHE?

Agility

When it comes to big iron equipment, some think the heavier the better. At Apache, we strongly disagree.

Apache Sprayers are lightweight and agile by design, weighing 20,000 pounds on average – about 10,000-15,000 pounds less than comparable models – reducing the compaction on your soil and reducing fuel costs.

apachesprayers.com/agile



Affordability

You can't go wrong with Apache Sprayers — we're the most affordable sprayer in the industry with the highest retained value at trade-in (just ask *EquipmentWatch*[™]).

Plus, all Apache Sprayers are engineered to save you money. Our simple mechanical drive transmission reduces overall service and operating costs compared to competitive hydrostatic sprayers.

apachesprayers.com/affordable



Simplicity

Ask our customers why they run with Apache, and most times you'll get a one-word answer: simplicity. Simple to run. Simple to adjust. Simple to maintain.

All sprayers are designed with common components across multiple models. That means Apache owners don't pay for us to manufacture, warehouse and ship lots of different parts for various sprayer models.

apachesprayers.com/simplicity



Dependability

Apache Sprayers are built from the ground up for performance and longevity. Our sprayers feature a simple mechanical drive transmission with fewer parts than hydrostatic machines — making an Apache far easier to maintain.

Plus, Apache Sprayers are backed by the industry's best five-year warranty.

apachesprayers.com/dependability



THE INDUSTRY'S BEST FIVE-YEAR WARRANTY

Every Apache Sprayer that rolls off the assembly line comes with a five-year limited warranty — the best in the industry. Equipment Technologies is the only manufacturer with full machine coverage for the first two years (<1,000 hours).

Years 1-2: Limited warranty covers the total machine — parts and labor — for the first two years from warranty start date or 1,000 hours, whichever comes first.

Years 3-5: Limited warranty covers some powertrain and chassis components for parts only from the warranty start date or 2,000 hours, whichever comes first. For a complete list of components covered under warranty for years three through five, visit: apachesprayers.com/warranty.

Engine Warranty: The limited engine warranty is covered by Cummins Inc. for two years or 2,000 hours from the warranty start date, whichever comes first.

EQUIPMENTWATCH™ AWARD

Apache Sprayers retain value like no other — an average of 72 percent of their value after five years. For three consecutive years (2016-2018), the Apache 1000 Series sprayer was recognized as the sprayer with the "Highest Retained Value" in the industry by *EquipmentWatch*.



“ A warranty is a peace of mind thing. Having the five-year powertrain warranty is a definite asset even if you don't use it. It tells me that the Apache folks are quite confident in their machine, even if we've never had to use it. ” — Kevin Zepick from Kipling, SK Canada



ET CUSTOM CAB

Designed with the operator in mind, the Apache Sprayer cab offers premium comfort, improved ergonomics and an intuitive control console that puts operators in full command. It's like a man cave in the field.



NEW Bluetooth® Hands-Free Calling*

All-new Bluetooth-ready Jensen® audio system with hands-free calling and SiriusXM® satellite radio. Enjoy crystal-clear sound from four Jensen speakers.

*Standard cab on the AS640 comes with two speakers and does not include Bluetooth hands-free calling.



NEW Positive-Position Joystick

The new positive-position joystick has been custom engineered to fit into the 2019 design. This joystick boasts an incredibly versatile and durable dual-axis configuration.

■ The Quietest Cab

Advanced sound-deadening floor mat, liner and a bellowed exhaust tube to minimize vibration.

■ Smooth Ride

The flex-frame construction and adjustable ergonomic seat absorb shocks, providing a smooth ride at all times. There's room for a second person in the buddy seat, which doubles as a portable cooler.

■ 360-Degree View

Made possible by more than 66 square feet of glass. A rear view camera and in-cab display also reduce operator fatigue.

■ Grayhill CAN-BUS Display

Get real-time data on the bright, backlit display for easy readability and monitoring. The display is intuitive and responsive whether you have bare or gloved fingers (even when the surface is wet).

PRECISION OPTIONS



NEW Raven Advanced RS1™ Steering (Optional)

Next-level steering accuracy in one convenient package — including advanced steering electronics, Viper 4+ advanced field computer, product application control and boom controls.



NEW In-Cab Raven Slingshot® Remote Support (Standard with 2019 Raven Field Computer)

Get an unbeatable free, two-year subscription with 4G LTE connectivity, highspeed Wi-Fi connectivity for external devices and faster file transfers and software updates to reduce costly downtime.



Automatic Section Shut-Off (Standard with 2019 Raven Field Computer)

Avoid overlap or applying in no-spray zones to reduce input costs.



Boom Height Leveling (Optional)

Automatically control the height of booms above ground with user-friendly controls and instant power-on. Experience faster and more even application, greater boom stability and decreased wear and tear.

Also Available: Steering and application controls using the John Deere GreenStar™ 2630 controller and GPS receiver.



Raven Sidekick Pro™ (Optional)

This direct injection system will save you time and money going from field to field. Reduce waste by eliminating the chance for cross contamination, adjust concentration on-the-go and automatically flush pumps with Rinse Assist for increased reliability.



Raven Hawkeye®

Available as a factory-installed option on all models, Hawkeye takes precision to the next level, allowing operators to determine application speed and rate down to individual spray nozzles. Hawkeye is built on the ISOBUS communication platform.

BOOM OPTIONS

Apache Sprayers offer a stronger, more flexible, better protected and lower-maintenance boom package. Better cushioning on the boom rack minimizes wear and tear. Boom wings break away when coming into contact with trees and other immovable objects, and spring back into place when the obstacle is passed. A common boom manifold allows for upgrades and boom extension.

POMMIER BOOMS (ALUMINUM)

LENGTH	SECTION CONFIGURATION	NOZZLE SPACING	NOZZLE BODIES
100'	9	15" or 20"	3-way
120'	9	15" or 20"	3-way
132'	9	15" or 20"	3-way

Fence row nozzles available on one side or both.

ET CUSTOM BOOMS (STEEL)

LENGTH	SECTION CONFIGURATION	NOZZLE SPACING	NOZZLE BODIES
90'	9	15" or 20"	3-way
100'	9	15" or 20"	3-way
60'/90'	9	15" or 20"	3-way

Fence row nozzles available on one side or both.



“ Compared to my old pull-behind, this Apache has such big booms and you can spray at higher speeds with so much accuracy. It's amazing how much you can get done. That's especially true in the spring time when planting is the most critical thing to get done. It seems like you're always having to plant soybeans and spray corn at the same time. With this machine, I can spray a couple hundred acres quickly and get back to planting. ” — **Tony Brown from Lovington, Illinois**

TIRE OPTIONS

Michelin® Agriculture Tires come standard on all Apache Sprayers. We also offer alternative options for narrows, duals and floats.

Every tire used by Apache is inspected upon assembly to ensure that farmers enjoy a long service life. We look for excellent traction and lateral stability with robust crowns and deep tread bars to coincide with our unmatched traction expectations.

AS640

OPTION	TYPE	SIZE	WIDTH	SERIES	MANUFACTURER
FRONT	STANDARD	380/85R34	15"	AGRIBIB	MICHELIN
FRONT	OPTIONAL	380/80R38	15"	AGRIBIB	MICHELIN
FRONT	NARROW	320/85R38	12.6"	DT800	GOODYEAR®
REAR	STANDARD	380/80R38	15"	AGRIBIB	MICHELIN
REAR	FLOTATION	620/70R42	24.4"	MEGAXBIB	MICHELIN
REAR	FLOTATION	800/65R32	31.5"	MEGAXBIB	MICHELIN
REAR	OPTIONAL	380/90R46	15"	SPRAYBIB	MICHELIN
REAR	NARROW	320/90R50	12.6"	ULTRA SPRAYER	GOODYEAR

Standard tires adjust crop clearance to 42". Optional tires (Front: 380/80R38, Rear: 380/90R46) adjust crop clearance to 48".

AS740, AS1040, AS1240

OPTION	TYPE	SIZE	WIDTH	SERIES	MANUFACTURER
FRONT	STANDARD	380/80R38	15"	AGRIBIB	MICHELIN
FRONT	NARROW	320/85R38	12.6"	DT800	GOODYEAR
REAR	STANDARD	380/90R46	15"	SPRAYBIB	MICHELIN
REAR	NARROW	320/90R50	12.6"	ULTRA SPRAYER	GOODYEAR
REAR	FLOTATION	620/70R42	24.4"	MEGAXBIB	MICHELIN
REAR	FLOTATION	800/65R32	31.5"	MEGAXBIB	MICHELIN
REAR DUAL	STANDARD	380/90R46	15"	SPRAYBIB	MICHELIN
REAR DUAL	NARROW	320/90R50	12.6"	ULTRA SPRAYER	GOODYEAR

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380/80R38
AGRIBIB



320/85R38
DT800



480/70R34
OMNIBIB



620/70R42
MEGAXBIB



320/90R50
ULTRA SPRAYER



380/90R46
Duals Available
SPRAYBIB



320/90R50
Duals Available
ULTRA SPRAYER



AS640

TANK CAPACITY

650 gal

WEIGHT

16,900 lbs
(approximate dry weight)

CROP CLEARANCE

42" or 48" based on tire selection
with JCB final drives

TOP ROAD SPEED

32 mph

TRANSMISSION

JCB Powershift, 4-speed

ENGINE

Cummins Tier 4F 163 hp (rated)



AS740

TANK CAPACITY

750 gal

WEIGHT

19,700 lbs
(approximate dry weight)

CROP CLEARANCE

42" with JCB planetary drives
50" with 18" drop box all-gear
final drives (optional)

TOP ROAD SPEED

30 mph

TRANSMISSION

JCB Powershift, 4-speed

ENGINE

Cummins Tier 4F 173 hp (rated)



AS1040

TANK CAPACITY

1,000 gal

WEIGHT

20,000 lbs
(approximate dry weight)

CROP CLEARANCE

42" with JCB planetary drives
50" with 18" drop box
all-gear final drives (optional)

TOP ROAD SPEED

35 mph

TRANSMISSION

ZF Powershift, 6-speed with
lock-up torque converter

ENGINE

Cummins Tier 4F 225 hp (rated)



AS1240

TANK CAPACITY

1,200 gal

WEIGHT

21,000 lbs
(approximate dry weight)

CROP CLEARANCE

50" with 18" drop box
all-gear final drives

TOP ROAD SPEED

35 mph

TRANSMISSION

ZF Powershift, 6-speed with
lock-up torque converter

ENGINE

Cummins Tier 4F 260 hp (rated)





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