

**EQUIPMENT
TECHNOLOGIES** **ET**

APACHE by **ET**
SPRAYERS



2020 | MECHANICAL DRIVE SPRAYERS

TABLE OF CONTENTS

Model Specifications - 3

Why Choose Apache? - 4

The Industry’s Best Five-Year Warranty - 5

2020 Model Enhancements - 6

Cab Features - 8

Precision Technology - 10

Boom Options - 12

Tire Options - 13

Model Profiles - 14





Sprayer Customization - 15

EQUIPMENT TECHNOLOGIES

Equipment Technologies was founded in 1997, with one goal in mind: build the best and most reliable agricultural sprayers. While other ag equipment manufacturers have dabbled in everything from combines to sprayers to lawn mowers, we’ve stayed true to our vision since the beginning. We focus all of our engineering power on creating the best sprayers and then we put all our cards on the table with the industry’s best 5-year warranty. Now when the house wins, so do you.

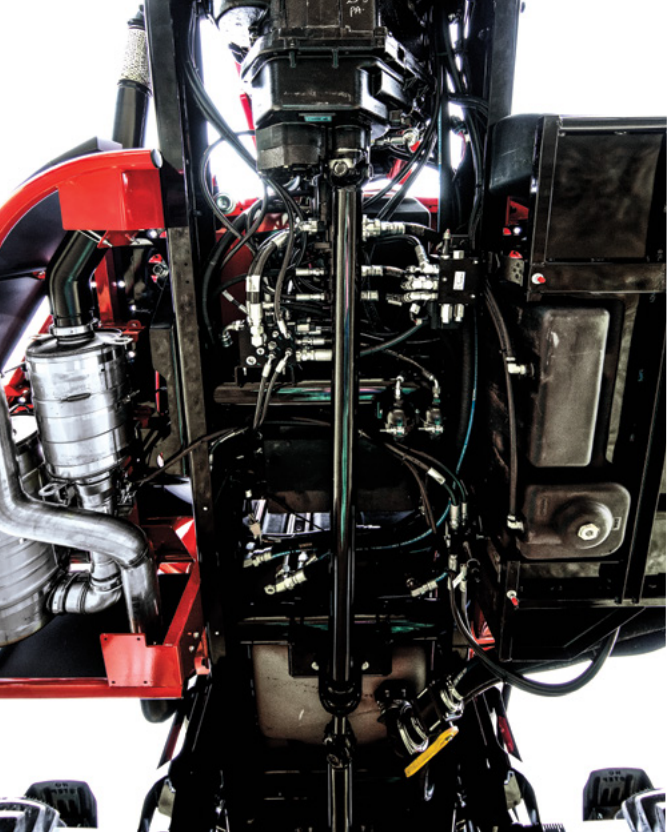


MODEL SPECIFICATIONS

| | |  |  |  |  |
|-----------------------------|---------------------------------|--|--|--|--|
| | | AS640 | AS840 | AS1040 | AS1240/AS1240 XP |
| CHASSIS, SUSPENSION & TIRES | TANK CAPACITY | 650 gal | 800 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", 114" 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 |
| | 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 | 42" with JCB planetary final drive 50" with 18" drop box all-gear final drives (optional) | 42" with JCB 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' |
| ENGINE & DRIVETRAIN | RINSE TANK | 50 gal | 100 gal | 100 gal | 100 gal |
| | 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 |
| | TRANSPORT WIDTH & HEIGHT | 144" maximum |
| | OVERALL LENGTH | 290" maximum |
| CAB | PRECISION APPLICATION EQUIPMENT | Raven Viper® 4+, Hawkeye®, AccuBoom™, AutoBoom® XRT, Autofold, UltraGlide and RS1™ Advanced Steering |
| | ET CUSTOM PRESSURIZED | State-of-the-art interior and console |



WHY CHOOSE APACHE?

Reliability

The average price of an Apache Sprayer is \$30,000-\$85,000 less than comparable competitive sprayers on the market. How do we do it? Our smart, simple design using a mechanical-drive transmission reduces overall service and operating costs, but our sprayers are also designed with common components across multiple models. We take all those savings and send them back to you on every Apache Sprayer model.

Ready to save? Hear reliability stories from real Apache owners:

[ApacheSprayers.com/Reliable](https://www.apachesprayers.com/Reliable)

Retained Value

Apache Sprayers retain value like no other — an average of 72% of their value is retained 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*™.

Ready to upgrade? Hear resale value stories from real Apache owners:

[ApacheSprayers.com/Upgrade](https://www.apachesprayers.com/Upgrade)

Maintenance

Ask our customers why they run with Apache Sprayers, and most times you'll get a one-word answer: simplicity. We've streamlined the design of our self-propelled sprayers from the beginning, so every Apache is simple to operate and even easier to maintain. Our owners spend less time working on their machine and more time in the fields.

Fed up with service fees? Hear maintenance stories from real Apache owners:

[ApacheSprayers.com/Maintain](https://www.apachesprayers.com/Maintain)

Independence

Are you losing control of your fields? Timing is everything and owning an Apache Sprayer will put you back in the driver's seat in more ways than one. By spraying your own fields, you can better manage costs as you make decisions on the chemicals and set the variable rates. Plus, as a sprayer owner you can ensure fields are sprayed timely and accurately, boosting favorable yield outcomes. This resurgence in control can add up to several dollars per acre in savings compared to custom application.

Tired of waiting? Hear from happy and independent Apache owners:

[ApacheSprayers.com/Control](https://www.apachesprayers.com/Control)

SPRAY FOR \$3 AN ACRE? APACHE SPRAYER OWNERS ARE DOING IT!

Apache Sprayers are favorites among profit-focused farmers who want the highest possible return on their investment. But don't just take it from us, take their word for it.



"The dependability, the pricing and the serviceability of [Apache Sprayers] — it's the complete package. It was a no brainer to me. Our custom applicators were in the \$5-\$7 per acre range. We're comfortably underneath \$3 per acre with our Apache Sprayer and that would be a high number for me." — **Pervis Ellis (Harrisburg, Illinois)**



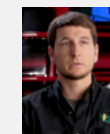
"I'd say it cost me about \$3 an acre to operate my own sprayer. The break in chemical price [compared to custom applicators] pretty much pays for the sprayer itself." — **Jon Lofgreen (Norton, Kansas)**

\$ Calculate your sprayer ROI at [ApacheSprayers.com/ThreeDollars](https://www.apachesprayers.com/ThreeDollars)

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); some exclusions apply.

- **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 powertrain and chassis components for parts only from the warranty start date or 2,000 hours, whichever comes first.
- **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.



"The Apache warranty, I feel, is a true value of what they offer and what they cover. For [Equipment Technologies] to be able to put a 5-year warranty on a piece of equipment says that they definitely stand behind it and feel like they've done the best they can in building a quality product." — **Nate Kuntz (Covington, Ohio)**

For a complete list of components covered under warranty for years three through five, visit: **[ApacheSprayers.com/Warranty](https://www.apachesprayers.com/Warranty)**

PRODUCT

At Equipment Technologies we're "all in" on innovation. Every new model year brings opportunities to improve Apache Sprayer designs using cutting edge engineering and customer feedback. We will never stop working to exceed expectations in quality and challenge the status quo of the industry.



■ AS840 Apache Sprayer

You ask — we deliver. Meet the new Apache AS840 with an hefty 800-gallon tank as a result of direct requests from customers in the field.

■ Stainless Steel Tank & Mount Design

Ready to go big or go home? Upgrade from the standard plastic-poly tank to our all-new stainless-steel tank and mount design option. But it's not just for looks, operators will notice a faster clean out.



■ Front Fill Access (optional)

Our front fill access makes it easier than ever to align with a nurse truck for a product fill (and there's no need to fold the booms to get there). Just park, fill and go.

PRECISION



■ AutoBoom® XRT (optional)

Raven Applied Technology has taken boom control to another level with the AutoBoom XRT using industry-leading radar sensors to detect and maintain optimal spray height for maximum product efficiency. Pressure-based control allows for smooth movement and quicker reaction time to give operators complete control and better application coverage.



■ Autofold (only available with AutoBoom XRT)

The previous "push-and-hold," then wait for one section to unfold one-at-a-time is a thing of the past. All three sections of the boom can now fold at once, automatically, with one push of a button.



■ Double-Stacked Nozzles for Hawkeye (optional)

One is good, two is better. Reach further than ever before to increase your application capabilities.



■ Quick Spray Mode

It's just like it sounds. Using the quick spray mode function operators can set up spraying options from the machine display. This feature is great for small fields and/or simple spray jobs — just hop in the cab, turn the key and start spraying.

WELCOME TO THE BEST CAB IN THE INDUSTRY

NEW 2020 Cab Enhancements

- Improved console setup for operator convenience
- Increased legroom for more comfort

360-Degree View

66 square feet of glass, combined with a rear-view camera and an in-cab display reduces operator fatigue and keeps sightlines clear.

Bluetooth® Hands-Free Calling* & Jensen® Audio System*

*Does not come standard on the AS640.

Quiet Cab

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

Positive-Position Joystick

Custom-engineered, dual-axis configuration that shifts smoothly for greater operator control.

Heated + Air-Conditioned Leather Seat

Multi-Function Cooler

Keep snacks and drinks cool with the portable cooler which also doubles as a buddy seat.

Grayhill Display

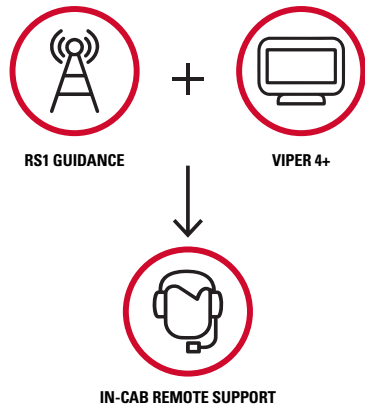
Easy readability and real-time data monitoring. Responsive with gloved and bare fingers (even when the surface is wet).

PRECISION TECHNOLOGY

RAVEN PRECISION PACKAGE



■ Advanced RS1™ Steering (optional)
Experience the industry's best steering accuracy and line acquire. RS1 is a fully scalable GPS solution that combines autosteer, GPS, and In-Cab Remote Support into one intuitive, easy-to-use unit.



■ In-Cab Remote Support (standard with Raven Viper® 4+ Field Computer)
Get an unbeatable free, two-year subscription with high-speed Wi-Fi connectivity for external devices. Operators can be linked directly to a support center to answer questions, transfer job files and load software updates.



■ Hawkeye® Nozzle Control System (optional)
Get the most out of every nozzle for the best application coverage. This pressure-based, ultra-precise product control system ensures next level accuracy with every application. The pulse rate modulation of the nozzles provides more consistent spray patterns as speed and conditions change including built-in turn compensation.

BOOM OPTIONS



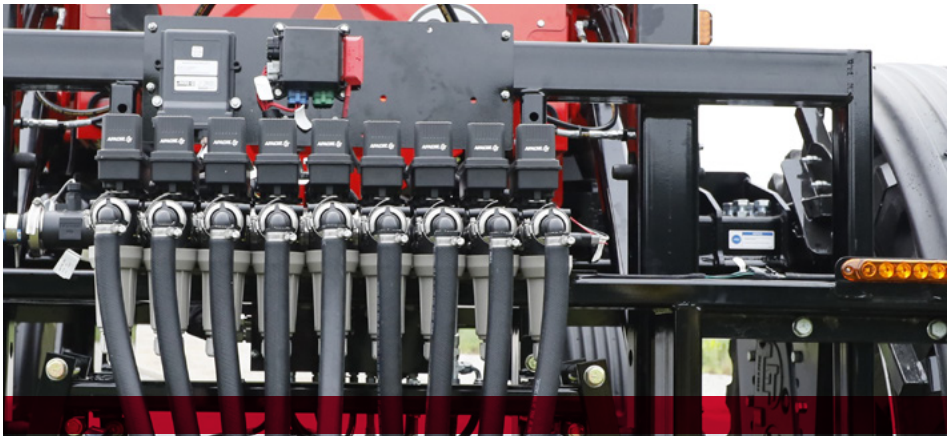
■ AutoBoom® XRT (optional)
Take your boom control to another level with AutoBoom XRT. Industry-leading radar sensors detect and maintain optimal spray height for maximum product efficacy and expanded boom life.



■ AutoBoom® UltraGlide (optional)
Using state of the art ultrasonic sensors, AutoBoom UltraGlide gauges the distance to the ground for optimum performance for both pre- and post-emergent applications.



■ Double-Stacked Nozzles for Hawkeye (optional)
One is good, two is better. Reach farther than ever before to increase your application capabilities.



■ Automatic Section Shut-Off (standard with Viper 4+ Field Computer)
Avoid overlap and no-spray zones to reduce input costs.



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 has 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' | | | |
| 132' | | | |

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' | | | |
| 60'/90' | | | |

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 (Lovington, Illinois)**

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 | OPTIONAL | 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 |

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

AS840, 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



620/70R42
MEGAXBIB



320/90R50
ULTRA SPRAYER



380/90R46
Duals Available
SPRAYBIB



320/90R50
Duals Available
ULTRA SPRAYER



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

The Apache AS640 is compact, lightweight and agile. This model is built for the farmer who wants to upgrade to a self-propelled and spray on their own or the larger producer that needs an extra, more-agile sprayer on their operation.

- **Tank Capacity:**
650 gal
- **Weight:**
16,900 lbs
- **Crop Clearance:**
42" or 48" based on tire selection
- **Engine:**
Cummins Tier 4 Final 163 hp (rated)



AS840

The Apache AS840 was engineered for the farmer looking for do-it-yourself control and peace of mind. Featuring an 800-gallon tank, it's still nimble enough to work in field conditions competitive sprayers can't.

- **Tank Capacity:**
800 gal
- **Weight:**
19,700 lbs
- **Crop Clearance:**
42" with JCB planetary final drive or 50" with 18" drop box all-gear final drives (optional)
- **Engine:**
Cummins Tier 4 Final 173 hp (rated)



AS1040

The Apache AS1040 is easily the most popular sized model in our lineup as its 1,000-gallon tank fits perfectly for almost any farming operation size. Get moving and spray where and when you need to.

- **Tank Capacity:**
1,000 gal
- **Weight:**
20,000 lbs
- **Crop Clearance:**
42" with JCB planetary final drive or 50" with 18" drop box all-gear final drives (optional).
- **Engine:**
Cummins Tier 4 Final 225 hp (rated)



AS1240/ AS1240 XP

The Apache AS1240 and AS1240XP sprayers speak volumes to large acreage farmers. These large capacity sprayers still weigh far less than the competition allowing owners to spray more ground faster with reduced soil compaction risks.

- **Tank Capacity:**
1,200 gal
- **Weight:**
21,000 lbs
- **Crop Clearance:**
50" with 18" drop box all-gear final drives
- **Engine:**
Cummins Tier 4 Final 260 hp (rated)
Cummins Tier 4 Final 300 hp (rated)

SPRAYER CUSTOMIZATION

Apache Sprayers are reliable for many reasons, but one of them is our lean manufacturing to build sprayers exactly the way you want them. That means we don't force you to pay for the things you don't want or need. Our "a la carte" menu gives you the freedom to choose upgrades, so your sprayer is customized for you and your operational needs.



Fenders (front and rear options)

If you want mud splash-back protection, fenders are a great option to help keep things clean and prevent dust and mud clogs. Available in the front, rear or a combination of each.



Extra Power with XP (AS1240)

The XP package from Apache Sprayers provides the perfect combination of power, traction and efficiency, along with the simplicity of a mechanical drive transmission.



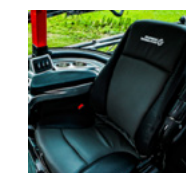
Fence-Row Nozzles

These added nozzles are great for keeping fence lines clean as well as the outer edges of the fields. This extra nozzle can be added to the left or right side of the boom, or both.



3-Inch Product Fill

Fill up with product faster with the upgraded 3-inch diameter product fill connection. You'd be surprised how much of a difference 1-inch will make.



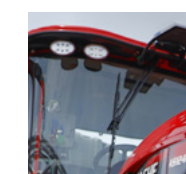
Climate-Controlled Leather Seat

Too hot or too cold in the cab? Our climate-controlled leather seats can provide the added heat or air conditioning needed to stay comfortable no matter the weather.



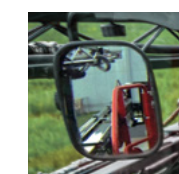
Hypro® Cleanload™

The Hypro Cleanload is a self-contained education system that allows operators to mix liquid and dry chemicals safely and quickly.



Enhanced Lighting Package

Our optional LED lighting package produces more light, while consuming less energy. This lighting package features 64 LED bulbs, located above the grille and cab and next to the fill station. The lights are situated to reduce bounce-back reflection. LED bulbs have an average lifespan of tens of thousands of hours.



Power Mirrors

Operators have the option of adjusting the side mirror from within the comfortable confines of the cab. Power mirrors are controlled via the Apache's Pilot System.

Build your own customized 2020 Apache Sprayer at [ApacheSprayers.com/Build](https://www.apachesprayers.com/build)



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