



**When every  
second counts!**



**FIRST  
RESPONDER**  
SERIES



# ANSWERING THE CALL

Every time you get the call, you know you're headed for trouble.

With the ARGO First Responder series vehicles, you can take on trouble like never before – go anywhere, get in, and get out safely. Save time, and save lives, with the world's most capable and respected extreme terrain vehicle systems, geared up with all right tools for the job.

ARGO is today's best response for first response mobility.





# RESPONDER FF

Extreme mobility, legendary durability and unmatched versatility adapted to every off-road firefighting requirement

The 750 HDi is the ultimate amphibious off-road vehicle. Its 30 HP (22 kW) EFI engine provides the extra power and payload capacity required

## AN EXTRA MARGIN OF SAFETY

Exceptional stability on land and water; sure footing and "get home" body design

## UNIVERSAL MOUNT FOR ULTIMATE VERSATILITY

Transport additional crew, cargo or specialized support equipment with quick-change modules

## GET THERE, AND GET HOME AGAIN

Protective underbody skid plate, high rollover resistance, power winch and optional rubber tracks

**Low ground ground pressure**  
Traverse emergency sites without disrupting hoses and cables

## H CLASS VEHICLE

**Innovative triple-differential ADMIRAL transmission**  
with independent steering brakes

## CET pump system

Centrifugal fire pump with 6 HP Honda engine, 100 ft. (33 m) hose and forestry nozzle

## Drop-in water tank

Up to 75 gal (284 L) water and 5 gal (19 L) drop in foam cell

**Scotty foam system**  
with hardware for foam cell

**Fully equip mobile firefighters against multiple hazards with industry-standard equipment and tools**

## Resupply & utility trailer

Optional 8-wheeled amphibious platform adds 1,400 lb (636 kg) capacity for tank, cargo, power modules and tools

# FIRST RESPONDER SERIES





# RESPONDER SAR

Life-saving emergency deployment of search & rescue crews and equipment anywhere, any time, in any season



## Stretcher mount

Rail mount with rear slide-in loading transports patients with medical crew on board



**Ferno Rescue Basket**  
Optional Traverse Rescue Advantage package

**WARN power winch**  
3,500 lb (1,588 kg) capacity winch assists in recovery of vehicles, equipment and patients

## Lift points

Carabiner attachments for helicopter lift and high angle evacuation

## Ferno #9 stretcher

Detachable stretcher with adjustable backrest; transfers directly to conventional ambulances

## Fold-down light bar

Emergency illumination, flashers and siren plus IV hanger

## First Aid storage

Compartment for Defibrillator/AED, bandages and other first aid supplies

## Team seating

Capacity for a total of 3 search and paramedical personnel

## Whelen Lights

Wide selection of proven lighting solutions

H CLASS VEHICLE

Detachable stretcher with adjustable backrest; transfers directly to conventional ambulances



## Light footprint

Low ground pressure provides safe transport for ice rescues



**FIRST RESPONDER**  
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# GO WHERE OTHERS CAN'T FOLLOW

Keep life-saving crews out of harm's way while they assess and attack the most extreme emergency hazards. The ARGO J-Class of unmanned First Response vehicles are built to mobilize any range of first-response technologies and equipment, equipping emergency professionals with increased vision and extended reach with less risk.

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EXTREME TERRAIN ROBOTICS





# ARGO J5 SYSTEMS

Developed by the world's leader in extreme terrain mobility, ARGO J5 Responder vehicles adapt to every emergency response requirement. Unmanned, remotely operated J5 systems allow first-response professionals to operate quickly and effectively in areas too hazardous for direct human intervention.

## A Safer Response

A wide selection of remote operation modes for varied operational needs, from direct RF control to "follow me" tethering to programmable sortie patterns.

Intuitive controls adapt easily to laptop, tablet and handheld devices

## Anywhere, Everywhere

Compact design, unmatched traction and stability, fully amphibious; overcomes all terrain types and obstacles including steep grades, soft soils, and waterways.

## Trusted Dependability

Evolved from systems created for lunar and extra-planetary exploration, the J5 platform is ready when you are to complete every mission.



Actual tablet may not be as shown



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# THE ULTIMATE TOOL

## WHEN FIRE FIGHTER'S LIVES ARE ON THE LINE

The J5 vehicle was designed and built to serve as a versatile mobility platform supporting multiple technologies and applications.

### Reconnaissance

Available with remote camera systems to survey hazardous areas more closely and from any angle of approach without fear of environmental conditions or obstacles.

### Fire Suppression

The J5 can move in on hot spots with a water cannon pumping up to 1250 gpm, with the tractive power to pull 200 ft. (61 m) of standard fire hose.

### HazMat

Detect potential hazards including chemical and radioactive materials with mobile imaging and environmental sensors.



EXTREME TERRAIN ROBOTICS

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# RESPONDER J5 FIREDOG

## Pour it on

The J5 FireDog Connects directly to pumper truck for continuous water supply up to 1250 gpm



**Radio frequency directed fire monitor** controls flow direction (up, down, left, right) and nozzle control (stream to mist)



**Intuitive operation** with minimal training; rugged gamepad style controller

**Remote control** allows line-of-sight or tele-operation from ranges of up to 1,000 yards (1 km)



**REMOTE-OPERATED FIREFIGHTING SYSTEM**  
Unrestricted by terrain, weather or hazardous environments, the J5 FireDog is the firefighter's new best friend! Deploy high volumes of water or foam at close range, from any angle approach, to maximize fire suppression with minimal risk to team members.

**Powerful electric drive** can pull 200 ft. (61 m) of fully charged 2.5 in. (635 mm) fire hose into position

**Customizable platform** can be outfitted as needed with visual and infrared cameras, air quality sensors, cargo baskets, stretchers, scene lights and safety flashers

**Fully amphibious** without vehicle preparation and all-weather capable



Sized for transport by pickup truck; ready to roll in less than one minute

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# RESPONDER J5 RECON

J CLASS VEHICLE

## See the Danger

Sniff out airborne and radiation hazards from a secure distance so you can plan your attack with the knowledge you need



**Gamma Radiation Dose Rate Meters** can be mounted on board with telemetry sent back to the Remote Control Station

**Airborne particulate sensors, bio, and chemical hazard detection** monitored and assessed from a distance without the need for hazmat suits



**See fire hotspots and detect body heat** in search and rescue operations using FLIR cameras



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## J-SERIES CONTROL SYSTEMS

From line-of-sight radio control to autonomous mission planning, the ARGO Responder series puts complete control and communications in your hands.

### Close Range Wireless Control (Line-of-Sight RF)

- Tethered gamepad control for walk beside control - 6 ft. (1.8 m)
- 10 channel RF transmitter for easy line of sight control for up to 328 yards (300 m)

### Autonomous Missions

- Addition of a LiDAR for obstacle detection and avoidance
- Addition of a GNSS position and heading system for localization
- Self-navigation capability designed to perform predefined missions

### Follow-Me Leading System

- LiDAR-based ability to follow a "leader"
- Optional GNSS or UWB (ultra-wide band) assisted operation

### Teleoperation (Remote Control Station)

- Driving interface through a Toughbook-based RCS (Remote Control Station) or portable touchscreen tablet with wireless radios and cameras
- Front and rear facing high definition IP cameras with mounting mast; GPS with local maps loaded in RCS
- Up to 1.24 miles (2 km) of extended control range



Toughbook & gamepad may not be exactly as shown

**Pan / Tilt / Zoom camera** for 360 degree visibility and the ability to zoom in to keep a close-up look.



# FIRST RESPONDER SERIES



COMFORT



**Beadlock System**  
Provides increased suspension for a smoother, more comfortable ride over rough terrain. Allows users to operate with tire pressure as low as 1 psi. Only available as a build option. (Cannot be used with helicopter lift)



**Convertible Top**  
Protects occupants from the weather. Has removable side and rear doors and stores folded down with boot cover. Requires fold-down windshield. (Optional roll bar light cannot be used with full convertible top).



**Convertible Half-Top**  
Protects operator and side passenger from the elements. Removable side and rear doors allow easy access to the rear cargo compartment area. Requires fold-down windshield.



**Suspension Seats**  
3-way adjustable suspension seats for increased ride comfort.



**Windshield**  
Scratch-resistant acrylic in an aluminum frame, features mounting hole for the optional windshield wiper accessory.

**Windshield Wiper**  
Complete with everything needed to assemble and fit to your ARGO windshield. Wiper motor mounts quickly and easily, requiring no drilling on newer style predrilled windshields.

CONVENIENCE

**Auto Chain Lubrication System**  
(Not shown) Increases chain life and reduces maintenance requirements. Available in one hour (standard) or fifteen minute (heavy duty) intervals.

**Cargo Tie-Down Rings**  
(Not shown) Six rings mount around the rear compartment (four rings for 6x6 models).



**Entry Step**  
Provides easier entry into the vehicle. Four different mounting locations.



**Gas Can Holder**  
Adjustable gas can holder mounted at the rear of the vehicle.



**Handrails**  
Tubular steel rails mount around the body, providing hand-hold points for rear passengers.



**Helicopter Lift Kit**  
Axle mounted at 4 corners, quick release point for helicopter sling connection.



**Outboard Motor Bracket**  
This one-piece bracket mounts at the bumper and onto the trailer hitch bracket. Mounting location is slightly off-center and accepts an outboard motor of up to 9.9 hp for increased propulsion in water.



**WARN Power Winch**  
For vehicle recovery or to raise and lower plow blade. 3,500 lb. (1,588 kg) capacity, reversing with free wheeling out, 40' (12 m) cable with 30' (9 m) nylon strap. Safety switch disables winch unless ignition is on.



**Rear Receiver Winch Accessory**  
Mounts into the 8x8 trailer hitch receiver, extending the versatility of your winch. Includes instructions and wire harness for installation.

**Wireless Winch Remote Control**  
Wireless and compact, this unit can control remote use of winch from a location of up to 50' (15.24 m) for added convenience and versatility.



**Snowplow Kit**  
81" (2 m) wide steel blade features multi-angle positions. Attaches to front bearing extension housings. A snowplow will maximize the utilization of your ARGO. Note: Requires power winch.



**Tire Holder**  
Easy to install. Convenient spare tire holder mounts to rear of vehicle.



**Tow Hook**  
Easy to install. Allows winch cables or towing straps to be attached to your ARGO.



**Trailers (Amphibious)**  
4-wheel 600 lb. (272kg) load capacity. 8-wheel 1,400 lb. (635kg) load capacity. Complete with 24" (610 mm) or 25" (635 mm) tires. Contact Retailer for more information.

**Universal Mounting System**  
(Not shown) Quick change, up to 500 lb. (225 kg) capacity, universal mount. Bolts directly to main chassis offering a secure structure for third.



**Utility Rack**  
Two formed flatbar brackets, four "rugged gear" utility hooks, and mounting hardware. Allows two rifles or shotguns to be carried on the inside of your ARGO.



**Utility Storage Pouch**  
Dome snaps attach to backrest for convenient storage space. Ideal for keeping first aid kits, tools, electronics and other items safe, clean and easily accessible.

FIRE & RESCUE



**Ferno head immobilizer**  
The Ferno Head Immobilizer is simple to use, light weight and easy to clean. It comes with two plastic-coated, closed-cell foam head supports, a universal attachment base, and two durable head straps. (shown on Ferno #9 stretcher)

**Oxygen bottle holder**  
(Not shown) Easy to install. O2 bottle holder is mounted to the vehicle.

**Whelen Light Packages**  
Choice of warning and work lights for extra visibility on emergency sites:

**Dominator** red/white signals mount on optional brushguard

**Perimeter** multi-purpose LED strobe package

**L31 Red Beacon** super-LED provides the industry's brightest 360° beacon with selectable flash patterns and hi/lo intensity

**PAR23 LED Spotlights** mount on fold-downlight bar for brilliant zone lighting of work area

PROTECTION

**Battery Shut-Off**  
(Not shown) Positive battery cable interrupt located under the driver seat. Disconnects battery to prevent accidental battery drain.

**Bedliner**  
(Not shown) Protect your cargo storage space. Simple installation, removable and easy to clean.



**Bilge Pump**  
Highly recommended for amphibious use of any ARGO. Operated by a dash mounted switch, the pump quickly removes water from the lower body.

**Brake Cooling Fan**  
(Not shown) 105 CFM fan directing cool air to the service brakes.



**Brake/Tail Lights**  
Complete wire harness and all necessary mounting hardware.



**Brushguard**  
Installation of mounting assembly or power winch is required. The 8x8 700HD/750HDi Brushguard features an integrated tow hook and mounting tabs for fog light kit.

**Brushguard for ROPS**  
(Not shown) Principally designed to be installed with the ROPS.

**Fog Lights**  
(Shown above) Provides added illumination in poor visibility due to rain, fog, dust or snow.

**Hood Fan**  
(Not shown) Extracts hot air from engine compartment (in extreme heat conditions).

**Mudflaps**  
(Not shown) Deflects snow and mud. Stay dry and clean when navigating with tracks through challenging terrain. Easy to install.



**Rollover Protective Structure**  
(ROPS) Powder-coated tubular steel frame provides rollover protection and seat belts for driver and front seat passenger.



**Roof**  
Provides shelter from the elements. Requires ROPS.

**ROPS & Rear Bench Seat**  
(Not shown) Protects driver, front seat passenger, and two rear passengers. Includes rear bench and four seat belts.



**Skid Plate**  
Formed from black high-density polyethylene, the skid plate protects the lower body from rocks and debris.



**Storage Protective Covers**  
Fits all production models without roll bar or ROPS.

TRACKS



**Rubber Tracks**  
18" (457 mm) width provides optimum floatation and minimal ground pressure. Exceptional traction. Lightweight, durable construction and low rolling resistance ensures smooth, quiet operation in difficult terrain conditions.

**HD Rubber Tracks**  
(Not shown. XT model only) These tracks feature UHMW-PE guides, aluminum backing washers, and HD hinge lacing.



**Standard Tracks**  
13" (330 mm) wide thermoplastic rubber segments go over 24" (610 mm) ARGO tires, reducing ground pressure for travel over snow or flooded areas.



**Super Tracks**  
18" (457 mm) wide thermoplastic rubber segments go over 24" (610 mm) ARGO tires, to provide optimum floatation over deep snow.

**Ice Cleats for Tracks**  
(Not shown) Steel cleats increase traction on ice and hard-packed snow.

Model	RESPONDER FF	RESPONDER SAR
Engine/Warranty	Kohler Aegis / Gas / 3 year	
HP/Displacement/Runtime	30 / 748 cc / 8 hours <sup>4</sup>	
Type	4 cycle-OHV V-Twin, electronic ignition	
Cooling/Starting/Brakes	Liquid Cooled / Electric / Hydraulic	
Steering	One piece, ergonomic handlebar. Steering control features hand brake. For safety and ease of handling, the ARGO steering transmission provides continuous torque to all axles	
Controls	Right-hand twist grip throttle. Light switch and ignition switch	
Clutch	Belt-driven, Continuously Variable Transmission (CVT) maximizes engine power to the transmission	
Transmission/Drive System	ADMIRAL <sup>7</sup> / Roller chains drive machined sprockets that are spline-fit onto the 1 1/4" diameter axles and are protected with triple sealed greaseable bearings	
Frame	Formed & welded steel channel construction polyester powder-coated	
Body/Skid Plate	Vacuum formed High Molecular Weight Polyethylene / Standard	
Load Capacity <sup>1</sup>	On Land	1,150 lbs (521 kg) total
	On Water	1,000 lbs (454 kg) total
Towing Capacity <sup>2</sup>	1,800 lbs (816 kg)	
Fuel Capacity <sup>4</sup>	7.1 US gallons (27 L) see-through Polyethylene tank	
Seating Capacity <sup>3</sup>	6 persons on land, 4 persons on water	
Speed <sup>5</sup>	On Land	20 mph (32 km/h)
	On Water <sup>6</sup>	3 mph (5 km/h)
Axle Bearing Extensions	Front & Rear - Standard	
Tires	ARGO AT189 25x12:00-9 NHS	
Ground Pressure	1.7 psi (13.5 kPa) using tires / 0.67 psi (4.6 kPa) using tracks	
Ground Clearance	Tires	9.5" (240 mm)
	Tracks	11" (279 mm)
Shipping Weight	1,260 lbs (572 kg)	
Shipping Dimensions (LxWxH)	119" x 60" x 46" (3,020 mm x 1,525 mm x 1,170 mm)	
Operating Conditions	All weather, all terrain, -40°F to +105°F (-40°C to +40°C)	

AVAILABLE ARGO COLORS \*Colors in this brochure

Colors are reproduced with great care, but may vary slightly on actual vehicles.



Appearance and specifications subject to change without notice.



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<sup>1</sup> Capacity includes occupants, cargo, outboard motor and fuel, and installed accessories.  
<sup>2</sup> Towing capacity is approximate and depends on type of surface, load on vehicle as well as incline. Max. Hitch Tongue Load (when equipped with hitch) 100 lb. (45 kg) for all models  
<sup>3</sup> Subject to rear compartment and load capacity limitations.  
<sup>4</sup> Fuel consumption depends on load and operating conditions.  
<sup>5</sup> All speeds are approximate and depend on conditions.  
<sup>6</sup> Always wear approved Personal Flotation Device (PFD) when operating in water or on ice.  
<sup>7</sup> ADMIRAL triple differential steering transmission with dedicated Hi and Low selector; Forward, Neutral, Reverse.

Some vehicle applications shown are for demonstration purposes, originating from third parties and not available from ARGO. In all cases vehicle load limits have been considered. For safety, always wear approved helmets and eye protection. When operating in water, always wear approved Personal Flotation Devices. Always remain seated while in the ARGO. When equipped with tracks, XT models are not fully amphibious, however water crossing is possible with a fording depth of 26" (660 mm). 678-065 • Printed in Canada 01/2016

Model	RESPONDER J5	
Propulsion	2 x 6 HP continuous 48V Brushless DC motors	
Battery / Run Time	Sealed AGM Lead Acid or LiFePO4 / up to 8 hrs	
Steering	4 wheel skid steer	
Brakes	Electromagnetic release static brakes	
Controls	Line of sight RF controller up to 300 meters	
Optional Controls	Camera Tele-op Remote Control Station	
Transmission	Sealed drive system with manual neutral - towable up to 60 km/h	
Suspension	Geometric Passive Articulation	
Max Incline	40 degrees without hose / 20 degrees with hose	
Payload Capacity <sup>1</sup>	On Land	600 lbs
	On Water	300 lbs
Gross Vehicle Weight	1,300 lbs	
Speed <sup>5</sup>	On Land	18 km/h
	On Water	5 km/h
Tires	ARGO AT189 24x10.00-8 NHS	
Optional Tracks	Quad Track for enhanced stability *Will not fit in pick-up truck bed	
Ground Pressure	1.7 psi (13.5 kPa) using tires / 0.67 psi (4.6 kPa) using tracks	
Ground Clearance	10.4"	
Weight	850 lbs with fire monitor *Varies with number of battery packs	
Vehicle Dimension	60" L x 54.75" W x 33.5" H *Without monitor	
Operating Conditions	All weather, all terrain, -20C to 40C	

Model	RESPONDER J5 FIREDOG
Water Monitor	TFT Hurricane or Akron PE Mounted Wireless Remote Controlled Monitors
Maximum Water Flow	1250 GPM
Maximum Pressure	200 psi
Hose Towability	Tested to 200 ft of fully charged 2.5" dia. hose
Hose Connection	One or two, 2.5" threaded connections







*J5 Recon advancing deep into the emergency zone*

**ARGO**

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