

autoagri

Off-highway autonomy



IC 12 D

Robust and unmanned

The IC 12 Defence is a flexible multi-payload carrier built on a modular dual use concept. The vehicles are highly adaptive and can be tailored to a range of different use cases.

A

IC 12

Silent operation

The electric drivetrain enables fossil free operation and low lifecycle carbon footprint. At the same time to sound and heat signatures are kept as low as possible.

Multi payload compability

The AutoAgri mid-mount design combines impressive payload with flexibility. Top mount, front mount, rear mount and trailed payloads are also supported

Robust and capable

Intelligent 4-wheel drive, large wheels and high ground clearance makes the IC 12 D very offroad capable. 4-wheel 360 degree steering ensures unique maneuverability in complex enviroments.



Logistics

The IC12 D is highly suitable for logisitcs operations due to its high payload and flexibility. Underhung payload enables easier automation of loading and unloading in certain scenarios.



Situational awareness

The IC 12 D can be deployed in survey or sureveillance scenarios. Sensors and communication equipment can integrated in accordance to operational demands.



Custom operations

Different standard options are available to support a variety of payloads. Use case specific adaptations available on request.

Specifications



Drivetrain	Description	Standard	Optional
Traction motor type	IPM		
Continuous (peak) traction power 4wd / 2wd	4 x 10 kW (4 x 17 kWh)	✓	
Maximum torque each at wheel	3600 Nm	✓	
Standard speed range	0-12 km/h	✓	
Steering	4 independent steering motors, 4 wheel 360 degree steering	✓	
Turning capability	zero turn (turns around vehicle center point)	✓	
Driving modes	Normal / Crab / Inverted normal	✓	
Wheel speed control	Electronically synchronized	✓	
Energy source			
Battery chemistry	LiFePo 4 Cobalt free	✓	
Capacity	64 kWh	✓	
Charging	Type 2 onboard charger	✓	
Control and autonomy			
Control modes	Remote control / Semi Auto / Full Auto*	✓	
Remote control	AutoAgri RI. Touch HMI + physical joystick and button interface.	✓	
Remote monitoring	2 x HD cameras for visual monitoring	✓	
Obstacle detection	Dual lidar system		✓
Safety fence	2 stage GPS fence	✓	
GNSS denied navigation / robust radiolink	Available on request depending on use case		✓
Implement / Payload interfaces			
3-point hitch center	CAT1/CAT 2 electric 1000 kg lifting capacity		✓
3-point hitch front	CAT1/CAT 2 electric 600 kg lifting capacity		✓
Top fix points	4 x M16 fix points, 600 kg payload	✓	
Underhung fix points	4 x 16mm bolt connections, 1200 kg max	✓	
Auxiliary electric output	12V 2 x 20A	✓	
E-PTO	96V 200A		✓
Measurements / weights			
Empty weight	4WD 64kWh : 2200 - 2450 kg (depending on options)		
Max total payload	2000 kg		
Length	4110 mm		
Width	2050 mm		
Height	1770 mm		
Nominal track width (possible range)	1650 (1650-1950) mm		
Standard wheel size (front and rear)	400/55-22.5		
Optional wheel sizes (front and rear)	420/65-20, 550/45-22.5		✓
Ground clearance	Up to 1030mm		

For full option list and questions regarding possibilities for custom adaptations please contact AutoAgri sales team

Weight and measurements will vary depending on selected options

*Availability of "full auto" mode depends on options and application..

Off-highway
autonomy

AutoAgris vehicles enables cost reduction, improved operational execution and safety benefits through autonomy, electrification and innovative design.

All Our vehicles are designed and built inhouse at our facility in Vanvikan, Norway. Our dedicated and experienced team ensures product fit to your application.