

autoagri

Off-highway autonomy



IC 20

Unmanned and electric

The IC 20 is a flexible multi-payload carrier supporting standard implement and payload interfaces. The vehicles are designed for highly precise and cost effective farming, groundcare, defence and survey operations.

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IC 20

Zero emissions

One electric high efficiency IPM motor at each wheel for traction and a separate electric PTO motor enables fossil free operation in most applications. Range extender optionally available.

Multi payload compability

The innovative mid-mount design combines flexibility and manoeuvrability with impressive payload to weight ratio, ensuring the lowest possible weight and ground pressure. Standard interfaces ensures implement compability

Robust and capable

Intelligent 4 wheel drive and low center of gravity makes the IC 20 very offroad capable. The robust and proven high strength steel design ensures stable operation in demanding environments.



Farming

The high degree of multi implement capability with its 3-point hitch, PTO, E-PTO and other options, makes it an excellent candidate for various tasks and operations within farming.



Groundcare

The IC 20 can be equipped with mower decks, aerators and other implements to perform operations within groundcare.



Custom payload

Different options are available to support a variety of payloads. The modular design makes it adaptable to many unmanned off-highway operations. Survey, logistics and defence operations are examples of what the IC 20 are utilized for.

Specifications



Drivetrain	Description	Standard	Optional
Traction motor type	IPM	✓	
Continuous (peak) traction power rating	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	✓	
Diesel range extender	60hp Stage V diesel generator + 10 kwh battery, (replaces 64 kWh battery)		✓
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	✓	
Basic safety pack	Front mounted lidar and GPS fence	✓	
Advanced safety pack	2 x 360 degree lidars and dual GPS fence		✓
Implement / Payload interfaces			
3-point hitch	CAT 2 electric 1500 kg lifting capacity	✓	
3-point hitch	CAT 2 hydraulic 2000 kg lifting capacity		✓
PTO	540-1000 RPM PTO. 18 kW continuous / 35 kW max power.		✓
E-PTO	12V 2 x 20A	✓	
E-PTO	96V 200A		✓
Measurements / weights			
Empty weight	2500 kg	✓	
Payload	2000 kg	✓	
Length	4110 mm	✓	
Width	2400mm	✓	
Height	2260 mm	✓	
Nominal track width (possible range)	2000 mm (1820 - 2160mm)	✓	
Standard wheel size (front and rear)	400/55-22.5	✓	
Optional wheel sizes (front and rear)	420/65-20, 41x18x22.5, 550/45-22.5, 250/85-24, 210/90r24.		✓
Maximum implement length	1650mm (from trailing arm ball to rear wheel)	✓	

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 environmental 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.