

Challenger RO-GATOR 600

THE ALL-NEW

Challenger[®] RO-GATOR 600



SERIOUS MACHINERY



**Self-Propelled Sprayer
The Dawn of a New Era**

Accuracy, Stability and Economy

Challenger is proud to unveil a ground-breaking development in the world of self-propelled sprayers. The totally new RoGator 600 Series is based on a radical, single-beam chassis design and uses technology and specification never before seen in this type of machine.

Challenger consulted large-scale farmers and contractors from across Europe to establish exactly what the market is looking for in a self-propelled sprayer. However, instead of making improvements to an existing model, the company's design engineers decided to abandon conventional thinking and adopt a completely new approach.

The result? Unprecedented boom stability, cab-controlled chassis height and track-width adjustment, superb operator comfort and a host of other innovative features that go towards achieving the nearest-to-perfect spray performance yet.





The all-new Challenger RoGator 600 – headline features

- Innovative new single-arm boom suspension and asymmetrical control system helps to keep the boom parallel to the crop for even, uniform spray application. Combines precise height adjustment with enhanced boom stability.
- Unique, single-beam, high-grade steel chassis allows outstanding manoeuvrability and easy access to key components. Optimum weight distribution minimises ground compaction.
- Specifically-designed, fully independent suspension on each wheel for a silky, smooth ride on- or off-road, at the same time minimising vehicle-imposed boom movement.
- Unique hydraulic working height control from within the cab, for superb stability of operation and variable crop clearance.
- Unique hydraulic track-width adjustment – on the move – from crop to crop, from customer to customer.
- Top-of-the-range tractor cab, providing supreme operator comfort and all-round visibility, with fingertip control of all machine functions. A special filtration system keeps cab air clean and fresh.
- Super-efficient, high-power flow system, with fixed, easy-to-clean pipework for minimum flow friction.
- Easy-access filling station, with high-capacity (60-litre) chemical induction unit, and a range of spray tank sizes to satisfy all requirements.

Specifications

	RoGator 635	RoGator 645	RoGator 655
Engine	AGCO SISU Power 4.9-ltr, 4-cyl	AGCO SISU Power 7.4-ltr, 6-cyl	AGCO SISU Power 7.4-ltr, 6-cyl
Rated Engine Power @ 2200 rpm	170 hp 125kW	208 hp 153kW	227 hp 167kW
Max Power @ 2000 rpm	175 hp 129kW	210 hp 155kW	236 hp 174kW
Drive System	Electronically controlled hydrostatic 4 wheel drive machine	Electronically controlled hydrostatic 4 wheel drive machine	Electronically controlled hydrostatic 4 wheel drive machine
Transport speed	40km/hr @1600rpm or 50km/hr @ 2000 rpm	40km/hr @1600 rpm or 50km/hr @ 2000rpm	40km/hr @ 1600rpm or 50km/hr @ 2000rpm
Tank size ltr	3500	3500/ 4800	3500/4800/ 6000
Clean water tank ltr.	500	500	500
Boom width	24-36 m	24-36 m	24-36 m
Spray pump	Centrifugal spraying pump	Centrifugal spraying pump	Centrifugal spraying pump
Adjustable track width	1.80m - 2.25m	1.80m - 2.25m	1.80m - 2.25m
Steering	4-wheel steering	4-wheel steering	4-wheel steering
Options	Suitable for 12t trailer Auto-Guide™ available AGCOMMAND® available	Suitable for 12t trailer Auto-Guide™ available AGCOMMAND® available	Suitable for 16t trailer Auto-Guide™ available AGCOMMAND® available