



SRG 7600
Infinity

INFINITY



SRG 7600 INFINITY

This is the first model developed specifically for crops on raised beds in greenhouses (vegetables, strawberries, etc.), and is type-approved. Its acronym stands for Articulated (Snodato in Italian), Reversible, with Large (Grande in Italian) Gearbox. It is a unique tractor characterised by a low driver's seat, a ground clearance of 60 cm and a maximum wheel diameter of 32 inches. The low driver's seat prevents the operator from working in a bent-over position, while the variable track width from 1.1 to 1.5 m and ground clearance allow the tractor's perfect adaptation to different types of crops. The Infinity hydrostatic transmission allows its forward speed to be progressively regulated without jerking and with the utmost precision. The maximum steering angle provided by the articulated frame facilitates movements within the narrow spaces of greenhouses. The reversible drive system allows equipment to be used on both sides of the tractor with full visibility of the implement.



RGS™

Bi-directional driving position

RGS™ (Rev-Guide System) is the AC reversible driving system on a rotating turret; it allows you to invert the driving direction in just a few seconds for efficient operation with rear or front mounted implements. The operator simply turns the seat/steering wheel/dash/pedal assembly through 180° to obtain a new driving position. All the auxiliary controls, including the joystick, remain in an ergonomic position in both driving directions. The RGS™ system is an integral part of the tractor's multifunctional character: simplifying use, while improving operator comfort and the quality of performance.

PLUS

- + **Comfort:** simple and intuitive reversible driving system without duplicated controls in the two driving directions
- + **Visibility of equipment:** driving position in the center of the vehicle, in both directions
- + **Versatility:** greater productivity from a tractor which can work with implements mounted front or rear relative to the direction of travel





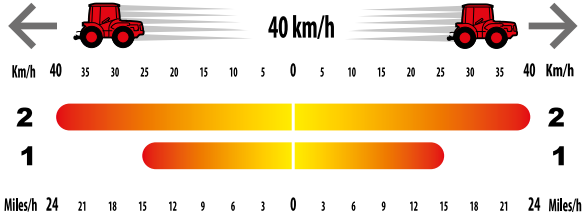
TRANSMISSION

Hydrostatic *Infinity*

The *Infinity* hydrostatic transmission enables the tractor to travel at the desired speed independently of the engine rpm. The motion of the tractor is controlled by the accelerator pedal (which in effect acts a “drive pedal”) and use of the clutch is completely eliminated.

The transmission allows you to work in both directions of travel at the same speeds, thanks to 2 mechanical ranges, the first ranging from 0-15 km/h and the second from 0-40 km/h. The ranges in turn offer 3 hydraulic speeds, which can be engaged either manually or automatically, under load and with no loss of traction. The drive pedal, in addition to controlling the ground speed, can also be used to control deceleration, stopping the tractor when released, without having to use the brakes.

The functions Instant Cruise Control (or Tempomat), Intellifix, Drive Mode, Fast Reverse, ensure that the operator can always find the right setting to automatically maintain the tractor at the right ground speed for the task in hand.



THE TRANSMISSION:

Key strength of the *Infinity*

The true character of any tractor is determined by its transmission. And this transmission, with its unique features, represents the key strength of this range of professional tractors, providing technical solutions that simplify the job of the operator, thereby increasing productivity and reducing stress.

- **HYDRAULIC SHUTTLE**
The tractor can change travel direction without using the clutch, at any speed.
- **SIMPLE TO DRIVE WITHOUT USING THE CLUTCH**
Use of the clutch is completely eliminated during operation of the tractor.
- **VARIABLE WORKING SPEED**
The operator chooses the ground speed to suit the working conditions, independently of the engine rpm.
- **TRANSMISSION ASSISTED BRAKING**
The hydrostatic transmission controls the braking action, reducing use of the brakes.



The automatic gearbox

The transmission changes range on the basis of the load placed on the engine. In case of a light load, the transmission automatically shifts up to a higher gear to reduce the engine rpm and consequently save fuel. Under heavy loads, the transmission instantaneously shifts to a lower gear to make full use of engine power.

- PLUS**
- + **Reliability:** the transmission is monitored by sensors to ensure it remains efficient over time
- + **Efficiency:** the operator chooses the right speed for each application independently of the engine rpm
- + **Comfort:** the operator controls the tractor using only the electrohydraulic shuttle control on the steering column and the drive pedal
- + **Savings:** reduced fuel consumption and reduced management costs

MAIN FUNCTIONS



TRANSMISSION

A host of functions with a single aim: top performance for perfect results.

AUTOMOTIVE

Simulates the conventional use of the accelerator, with the pedal providing proportional control of engine speed.

SPEED CONTROL

Speed and rpm parameters can be set instantaneously or pre-programmed via the tractor software.

MEMORIES

2 presettable ground speed memories, 2 engine rpm memories.

AUTOMOTIVE MEMO CRUISE CONTROL

Designed to maintain a constant ground speed at the optimal engine rpm. On level terrain or under low load from the implement, the tractor works with the engine running at reduced rpm. On encountering an uphill gradient or increase in load, the system will automatically increase the engine rpm. The system provides 2 memories which can be managed to meet operational requirements.

DUAL MEMO CRUISE CONTROL

Designed to maintain constant speed and engine rpm parameters during work. When working in environments with major changes in gradient or over rough terrain, the system monitors and adjusts the pace of the tractor, both uphill and down, to ensure maximum precision in terms of PTO rpm and ground speed. An example use would be spraying applications, where a high degree of precision is required to ensure treatments are evenly distributed in the correct proportion without waste. The system provides 2 memories which can be managed to meet operational requirements.

INTELLIFIX

The innovative system is designed for the control and automatic management of ground speed and engine rpm. It automatically reduces ground speed when the torque delivered to the PTO exceeds the percentage value set by the operator. In short, it maximises productivity for minimum fuel consumption, while ensuring the engine is never put under excessive strain.

INSTANT CRUISE CONTROL (TEMPOMAT)	Instantaneously sets a constant ground speed.
DRIVE MODE	Allows three different driving styles for each range, both in manual and in automatic.
FAST REVERSE	Maintains Dual Memo Cruise Control when shuttling between forward and reverse.
ECO MODE SPEED	Controls the maximum engine rpm. On reaching the maximum speed of 40 km/h.



TECHNICAL DATA

Structure	ACTIO™ full chassis with oscillation • Reversible RGS™ • Articulated - Four equal wheel drive • Front/rear final drive
Engine Type	KOHLER - 4-cylinder - 16-valve - intercooler TURBO - Stage 5 - Common rail - 2482 cc Power 55.4 kW / 75.3 HP - 2300 rpm Max torque 310 Nm at 1500 rpm
Transmission	Hybrid mechanical-hydrostatic transmission with 3 hydraulic speeds for each mechanical range, electronically configurable even under load • 2 mechanical ranges (work and travel) • “Automotive” device; instant cruise control, memo cruise control, memo Rpm, dual memo cruise control; intellifix, fast reverse
Power take-off	Rear with 2-speed electro-hydraulic independent clutch, 540 and 540E rpm
Hydraulic system	Rear auxiliary hydraulic circuit with 2 spool valves, 1 single-acting spool valve and 1 oil reflow (Tot. 6 rear hydraulic outlets) - No. 2 independent pumps for the top link and tie-rods and hydraulic dampers
Rear power lift	Lifting capacity (kg): 2300, lifting bars with quick couplings in cat. 2 -Front tow hook; height-adjustable category “C” tow bar.
Brakes	Hydraulic front/rear oil bath disc brakes, emergency band brake on transmission

Weight With roll bar (kg): 2620

Ground clearance: 615 mm - Maximum height: 2710 mm - Maximum width: 1345 mm

	A	B	C	D	G	I	L
SRG 7600	3645+4120	1185	1725	735+930	615	2710	1345

