

FERRI[®]

SIMPLY. THE MOWER

VOTEX[®]

iCUT



REMOTE CONTROLLED TOOL CARRIER

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SIMPLY. THE MOWER



iCUT

REMOTE CONTROLLED TOOL CARRIER

iCUT is the professional remote controlled range of tool carriers designed for particularly demanding uses or potentially operator-critical environments. allowing maximum control and maneuverability in impervious and hard-to-reach areas.

With outstanding stability, intuitive fingertip controls and an effective remote control range of up to 150-200m, the machines make light work of jobs that used to be time-consuming, labour-intensive and potentially dangerous.



The Ferri remote controlled tool carrier range is ideal for working safely and productively in the toughest terrain.

Thriving in hazardous, hard-to-reach and restricted-access areas, these innovative all-terrain machines reach the parts conventional mowers cannot - helping Ferri customers work harder, smarter and safer than ever before.

HYDRAULIC SYSTEM

This range of radio-controlled tool carriers adopts a closed-circuit hydraulic system, which reduces oil heating and maximizes performance by constantly adjusting the oil flow/pressure ratio to the effective power demand.

This system enables precise metering of power output according to power demand, while keeping

fuel consumption as low as possible: more than 8 hours of operating time.

A separate open-circuit system, on the other hand, is provided for services and, thanks to the VENTING valve on the distributor, ensures a drastic reduction in dissipation when no control is activated (e.g., in the transfer phase).



PRODUCTIVITY

The adoption of Ferri's iCUT tool carrier has demonstrated a faster completion rate of green maintenance work by more than 30 percent when compared with the same area worked by operators equipped with conventional equipment.



DIAGNOSTICS

Brand new diagnostics adopted by best in class, it enables automatic and immediate identification of the type of malfunction and identification of corrective action. For an additional form of support, it was planned to adopt the Murphy device that allows powertrain diagnostic information to be read.



WIDENING UNDERCARRIAGE

It is manufactured from high-strength special steel. The width of the undercarriage can be modified according to the condition and slope of the ground directly from the radio control in seconds even while working.

Innovative low-center-of-gravity design allows mastering slopes of up to 55 degrees. With optimized weight distribution and a low center of gravity, the iCUT can operate at slope angles in all directions up to 55°, providing optimum grip and traction in all working conditions.





ADDITIONAL RADIATOR GUARD (OPT)

To work in absolute safety and peace of mind, the entire iCUT range can be equipped with a steel rear guard (optional) for the radiator. A sturdy structure composed of tubular and metal plates made to limit damage in case of impact.

UNIQUE SYSTEM OF SECURING THE ENGINE TO THE FRAME

The engine is elastic fixed to the frame by 6 specially designed silent blocks, with functions to contain all the vibrations produced and especially the side shaking that are particularly frequent in the professional use of the tool carrier.

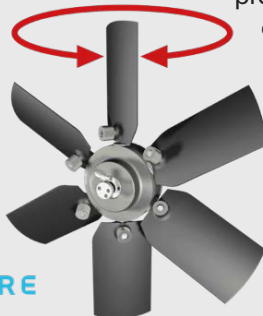
COOLING SYSTEM

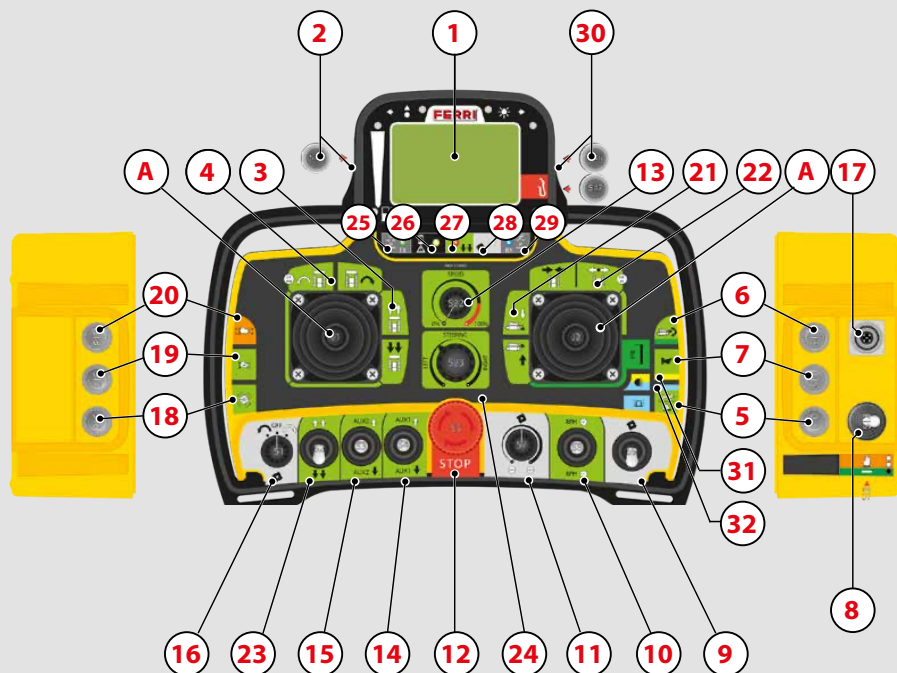
The powerplant cooling system is liquid-cooled and adopts the exclusive FLEXXAIRE system with hydropneumatically driven reversible fans.

With its unique blade inversion design, adjustment mechanism, and robust controls, The Flexxaire Fan provides intelligent airflow to keep motor performance on an optimal efficiency. In

fact, the Flexxaire fan is recognized as the world's leading system for intelligent airflow control.

Flexxaire's rapid fan reversal, controlled both manually but also programmable for automatic operation, blows away debris that may clog the radiator without reversing the rotation or orientation of the blades.





- A** Joystick
- 1** LED multi-color display
- 2** Parameter modification commands
- 3** Forward/reverse drive
- 4** Undercarriage opening/closing
- 5** 1st e 2nd speeds
- 6** Floating device
- 7** Acoustic warning
- 8** Start
- 9** Rotor start
- 10** Accelerator

- 11** Oil flow adjustment
- 12** Immediate arrest button
- 13** Cruise control
- 14** Auxiliary 1
- 15** Auxiliary 2
- 16** Rotor sense of rotation
- 17** Cable connection
- 18** Reversible self-cleaning fan
- 19** Engine arrest
- 20** Engine ignition
- 21** Arm lift - arm drop

- 22** Left - right drive
- 23** Forward/reverse steering change
- 24** Drift compensation
- 25** Radio control on
- 26** Remote control battery indicator
- 27** Reverse activation indicator
- 28** Working rotor indicator
- 29** Active radio link
- 30** Display lighting
- 31** Work lights on/off, buttons 5+7 for 5 seconds
- 32** Flashing lights on/off, buttons 5 for 5 seconds



RADIO CONTROL

The controls are ergonomically arranged and intuitive, allowing the machine to be used at its best from the very first use. Two large ergonomic joysticks ensure total control of the machine and the attached equipment. The radio control is designed to operate in multi-frequency mode, constantly searching for the best possible frequency; however, it is possible to manually select a specific frequency deemed most suitable. Speed controls and oil flow rate can be safely customised to the equipment being used, to best suit the operator's needs according to the work to be done.

In addition to the immediate stop button, the console is equipped with indicators for hydraulic oil coolant temperature, radio control battery charge, radio signal power and channel, engine oil pressure, fuel reserve warning, engine revolution indication, rotor engaged indicator, engine preheating, control reversal, air filter clogging, advance mode, FLEXXAIRE device activation and on/off of the floating system of the connected equipment. The radio control facilitates the filling of the tank by preventing fuel spillage.





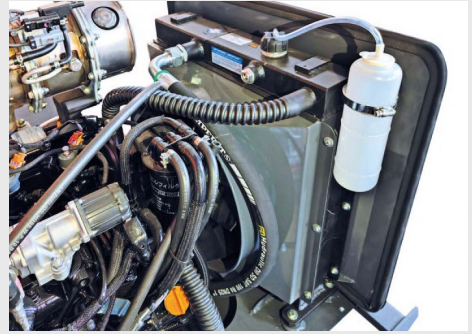
iCUT 3.40

The iCut 3.40 model has a weight that is lighter and enough power to work easily on terrain with recent grassing, or sandy soils, and in any case for less strenuous uses faced by the iCut 3.60 model. The radio-controlled tool carrier model iCut3.40 offers high performance, together with a great autonomy of use and simplicity of maintenance, it is the only useful means to operate in really impervious working conditions and impossible to reach by traditional means, ensuring maximum working safety for the operator.



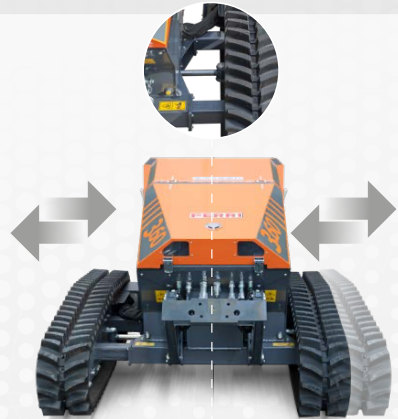
STAGE V CERTIFIED 40HP ENGINE

Power comes from a 40HP, three-cylinder, Yanmar diesel engine that uses a DPF filter system to ensure it meets the latest Stage V emissions regulations without the need for Adblue.



EXTENSIBLE UNDERCARRIAGE GUARANTEES STABILITY

The undercarriage is composed of 4 lower rollers, three triple flange, one double flange and two upper double flange rollers and together with the mechanical guides ensure great stability of the tracks in their working position and above all prevents the tracks from slipping out of their guides when working on a slope. The special design of the undercarriage makes it possible to widen the working width of the tracks, even with the machine in motion, from 132 to 167 centimeters in just a few seconds. Ensuring maximum grip and stability even in suddenly difficult or dangerous conditions for the machine itself or its operator.



MECHANICAL TRACK TENSIONING

The 3.40 model adopts the traditional and super-proven mechanical tensioning system, a guarantee of reliability and safe operation.



iCUT 3.60

iCUT 3.60

iCUT 3.60 Extra is the brand new radio-controlled tool carrier that allows the operator to work, remotely, and allows the user, to always operate in total compliance with safety regulations and personal safety while simultaneously clearing areas difficult to reach or for which it is recommended not to get too close.

The new Stage V powered version, in addition to the features that have made the iCUT model the icon of radio-controlled tool carriers, now comes with new SMART features to work better, faster and more productively.



STAGE V CERTIFIED 60 HP ENGINE

The 3-cylinder turbo intercooled Hatz 3H50 and 60HP (43.39 kW) engine with a displacement of 1,464cc delivers maximum torque from 1620 to 2060rpm.

The new engine perfectly complies with the new anti-pollution directives and enjoys STAGE V - CERTIFIED recognition.

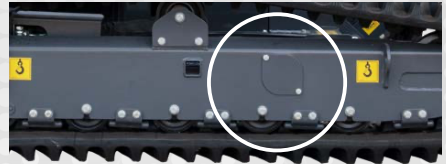
The engine is elastically fixed to the chassis by means of optimised and improved silent blocks with functions to contain all vibrations produced and, above all, side shakes.

Cooling is liquid-cooled and adopts the super-reliable FLEXXAIRE system with reversible fans with both automatic and manual hydraulic control. This cooling system keeps the radiator clean, maximises engine performance and consequently reduces consumption.



ENGINE OIL

The standard adoption of a highly biodegradable oil reinforces Ferri's care and respect for our ecosystem. The use of biodegradable oil is increasingly indicated in agricultural and forestry machinery, where an accidental oil spill on the ground would not cause a negative environmental impact, unlike the hydraulic oil normally used.



AUTOMATIC TRACK TENSIONER, ALWAYS ON

First and foremost, the automatic track tensioner makes it possible to be certain that the tracks are always working in the tension provided by FERRI, which is synonymous with reliability and high operating performance, and to simplify track replacement operations. The system consists of a hydraulic valve assembly that ensures longevity of the track and components even under the most severe working conditions.

VERSATILITY

iCUT further enhances the multifunctional machine concept, increasing the availability of equipment and allowing this model to be used all year round.

The various attachments specially designed for the iCUT make this machine suitable for use in forestry, public and private green maintenance, gardening, winter roads and the handling of inert materials.



BRACKEN BRUISER



HIGH TIPPING BUCKET



SNOW BLADE



TRENCHER (Opt.)

REINFORCED ROLLBAR (Opt.)

FLASHER (Std.)

LIGHTS KIT (Opt.)



STUMP GRINDER



SIDE SHIFT KIT (OPT)

The optional flail head side-shift kit, available only for the R1300 header, with its 20+20 centimeter displacement, makes it possible to reach work areas otherwise impossible to work on such as river edges or canals, or road artifacts, and this regardless of the width of the undercarriage.

MULTI-X QUICK COUPLING (OPT)

Optional adoption, of CEJN Multi-X couplings offers the advantage of saving time when connecting or disconnecting equipment, since several hydraulic lines are grouped together and can be operated with a single connection. Practicality and simplicity suggest their adoption in case cases of using several pieces of equipment in quick succession arise.

TRACK

EXTREME

Perfect for working on medium and medium-high slopes and best preserving turf. Suitable for transfers.



GRIP

Tracks made of rubber and with steel brackets provide maximum grip and grip on stony ground or where there are major bumps.



GRIP PLUS

Rubber tracks, with steel brackets and harpoons. Recommended for use in extreme conditions of both ground slope and soil structure.



FLAIL HEADS



Mod. R1300

m	kg
1,35	190

Mod. RH 1600

m	kg
1,61	312

R1300
RH1600



R-WORKS

m	kg
1,25	375

S1250



Mod. RF/A 1300

m	kg
1,30	470

RF/A1300

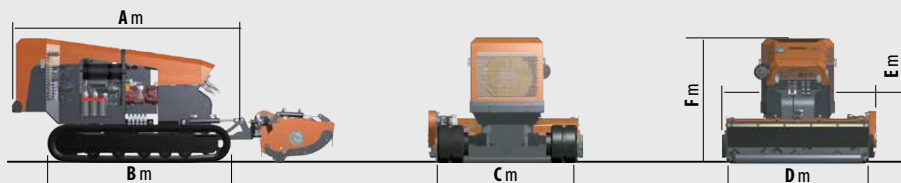


Mod.	 Coltelli a "Y"	 Coltelli a "Y" poliv.	 Martello	 Martello unidirez.	 Denti fissi
R1300	44	-	-	-	-
RH1600	-	66	22	-	-
RF/R 1300	-	-	-	18	32
RF/A1300	-	-	-	-	45

DIMENSIONS

A mm	B mm	C mm	D* mm	E* mm	F mm
2.180	1.800	1.340	1.340	1.350	1.230
		1.670			

* RF/R 1300



ENGINE

Diesel engine	3 cil. STAGE V - CONFIRMED -
Engine power	60 HP / 43,99 Kw
Fuel	diesel
Engine lubrication	da 0° a 55°
Fuel tank	39 liters
Max torque	188 Nm a 2400 rpm
Engine displacement	1.464 cc
Suction	Turbo Intercooler
Speed (rpm)	adjustable
Cooling	water
Motor oil	5,9 lt.
Oil cooler with reversible blades	FLEXXAIRE fan with reversible blades, automatic and manual control
Alternator A	12V 110A
Batteries A/h	12V /65 Ah

HYDRAULIC SYSTEM

Drive system pumps	Two variable displacement independent piston pumps in closed circuit
Piston pump for rotor	Variable displacement independent piston pump in closed circuit
Gear pump for services	Independent gear pump in open circuit
Oil tank	26 liters
Variable-cylinder piston pump for displacement	12 cc+12 cc Trasl. + 1 INGR. 4,5 cc services
Fixed cylinder capacity piston pump for attachment	26 cc piston pump adjustable with potentiometer
Oil flow	62 l/min
Services distributor	on-off 4 sections
Oil flow adjustment	YES
1 st aux double acting	standard
2 nd aux double acting	standard
Max flail head motor pressure	350 Bar

CONTROLS

Remote controls range	100 - 150 m
Movements via joystick	proportional movements
Machine movements	forward-backward left-right
Display on the console	standard
Immediate arrest button	standard

TRANSMISSION

Max. working slope gradient	55°
Hydraulic transmission	2 speed
Brake	automatic negative
Forward - backward speed	0-4 km/h 1 st gear / 0-8 km/h 2 nd gear
Drive motors	pistons

FRAME


Sottocarro allargabile	standard
Bottom rollers	4+1
Top rollers	1
Chassis	with roll bar
Adjustable undercarriage	Hydraulically
Transmission	hydrostatic
Track chains sizes	250 x 52 x 72
Hydraulic lift arms	with hydraulic and mechanical floating


FLAIL MOWER

RPM rotor	3.000
Rotor	double rotation drive
Peripheral speed	51 m/sec.
Hydraulic motor	pistons
Adjustable rear roller	standard
Adjustable skids	standard
Transmission	heavy duty toothed belt



DIMENSIONI

A mm	B mm	C mm	D mm	 kg
2.095	1.530	1.320	1.140	1.210
		1.670		



ENGINE	
Diesel engine	3 cil. STAGE V - CONFIRMED -
Engine power	37,4 HP / 27,5 Kw
Fuel	diesel
Engine lubrication	da 0° a 55°
Fuel tank	39 liters
Max torque	109 Nm a 2400 rpm
Engine displacement	1.642 cc
Suction	Turbo Intercooler
Speed (rpm)	adjustable
Cooling	water
Motor oil	6,6 lt.
Oil cooler with reversible blades	FLEXXAIRE fan with reversible blades, automatic and manual control
Alternator A	12V 110A
Batteries A/h	12V /65 Ah

HYDRAULIC SYSTEM	
Drive system pumps	Two variable displacement independent piston pumps in closed circuit
Piston pump for rotor	Variable displacement independent piston pump in closed circuit
Gear pump for services	Independent gear pump in open circuit
Oil tank	20 liters
Variable-cylinder piston pump for displacement	12 cc+12 cc Trasl. + 1 INGR. 4,5 cc services
Fixed cylinder capacity piston pump for attachment	26 cc piston pump adjustable with potentiometer
Oil flow	591min
Services distributor	on-off 4 sections
Oil flow adjustment	YES
1 st aux double acting	standard
2 nd aux double acting	standard
Max flail head motor pressure	280 Bar

CONTROLS	
Remote controls range	100 - 150 m
Movements via joystick	proportional movements
Machine movements	forward-backward left-right
Display on the console	standard
Immediate arrest button	standard

TRANSMISSION	
Max. working slope gradient	55°
Hydraulic transmission	2 speed
Brake	automatic negative
Forward - backward speed	0-4 km/h 1 st gear / 0-8 km/h 2 nd gear
Drive motors	pistons

FRAME	
Sottocarro allargabile	standard
Bottom rollers	4
Top rollers	2
Chassis	with roll bar
Adjustable undercarriage	Hydraulically
Transmission	hydrostatic
Track chains sizes	250 x 46 x 72
Hydraulic lift arms	with hydraulic and mechanical floating

FLAIL MOWER	
RPM rotor	3.000
Rotor	double rotation drive
Peripheral speed	51 m/sec.
Hydraulic motor	pistons
Adjustable rear roller	standard
Adjustable skids	standard
Transmission	heavy duty toothed belt



The technical specifications indicated and models described are not binding. For the purpose of making improvements, the manufacturer reserves the right to make changes to them without prior notice. Drawings and photographs may refer to optional equipment or configurations intended for other countries. If you require further information, please contact our sales network.



VOTEX UK LTD

Redhill Depot, Ross Road, Hereford HR2 8BH
 Tel: 01432 274361 e-mail: sales@votex.co.uk
 www.votex.co.uk



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FERRI srl - Via C. Govoni, 30 - 44034 TAMARA (Ferrara) Italy
 Tel. + 39 0532.866 866 - Fax + 39 0532.866 851 - www.ferrisrl.it

