



ENERGREEN[®] *America*


PROFESSIONAL MACHINES

1242 Nowell Dr - Augusta - GA 30901 - USA - Phone CA 510 593 3144 - Phone GA 706 945 2800
info@energreenamerica.com - www.energreenamerica.com

Contract: VSA Heavy Equipment #23-04-0713
Group: Remote Controlled Mowers and Tool Carriers
Item Number: 262

Shipping & handling is not included in the base price and will be calculated separately.

RoboMAX[™] 75HP

RoboMAX is a remote-controlled tool-carrier made to work on slopes up to 50° in all directions thanks to its low center of gravity and a special engine oil sump.

The machine is equipped with a **75 HP Diesel engine** and a specific tracks profile that allows a perfect ground surface contact to climb over hill and mountain areas, embankments, cliffs, and in all those environments where the adherence is very low and a machine for high slopes is required.

The implements are mounted on a front lifter which allows a quick-change system, making the work easier and multi-functional. For the implements there are always one high flow closed circuit hydraulic line and two double effect open circuit hydraulic lines.





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Standard set up

ENGINE:

- YANMAR 4TNV98CT 4-cylinder, 4-stroke, turbo charged, diesel, liquid-cooled engine
- Displacement 3.3 l
- Power 75 HP @ 2500 rpm
- Direct injection Common Rail and electronic engine management via ECU
- Exhaust gas emission reduction system through EGR, DPF and without DEF (Ad-Blue)
- Emissions class EPA Tier 4
- Modified engine oil sump to grant lubrication up to 50° of inclination
- Reversible self-cleaning fan
- Single reinforced two-section radiator for coolant and hydraulic oil
- Positioning of the air cyclonic pre-filter on the left side of the machine body in safety position

HYDRAULIC SYSTEM:

- Hydraulic system with Q8 HELLER46 mineral oil
- Dedicated oil cooling section into the machine radiator
- High pressure anti-abrasion flexible hoses
- Screw-on quick couplings
- Pressurized hydraulic circuit and immersion filter inside the tank
- Traction of each track by gear reducer operated by a dedicated closed circuit piston pump
- Double forward speed through hydraulic variation of the gear reducer displacement
- Hydraulically operated negative brake inside the gear reducer
- Gear pump in open circuit and multi-section electro-hydraulic distributor for services
- Closed circuit piston pump for the high flow output

FRAME:

- Steel mono-shell supporting structure
- Double steel roll-bar integrated into the machine body
- N. 4 hooks for lifting the machine on the frame
- Transmission drive wheels with hardening heat treatment
- Front idle wheels with hardening heat treatment
- Tracked undercarriage with 8 sliding rollers and front and rear track guiding shoes
- Grease pre-charged track tensioner equipped with mechanical safety spring
- Machine body hoods in painted steel
- Air filter protection in painted steel
- Rear radiator protection grille in painted steel and quick opening
- Mechanical quick coupling for the attachment on the front lifter (with screws locking)
- Floating system of the lifter obtained with slots on the heads of the lifting cylinders
- 16 gal painted steel diesel tank
- 12 gal painted steel hydraulic oil tank



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SYSTEM & REMOTE COMMANDS:

- AUTECH radio control with a range of 150 m working with FHSS technology
- N. 2 remote control batteries
- Remote control battery charger with lighter socket (10-30 V DC)
- Emergency button on remote control with immediate stop of the machine active functions
- Advancement controlled through single axis proportional joystick
- Steering and lifter management controlled through two-axis proportional joystick
- Potentiometer for controlling the maximum advancement speed (variable from 0 to 100%)
- Potentiometer for the correction of the trajectory and reduction of the drift in advancement
- Potentiometer for adjusting the flow of the high flow output
- Double-effect hydraulic lines controlled through on/off control levers
- Armored carrying case for remote control and accessories supplied with the machine (weatherproof and shockproof)

Build Part Numbers:

N/A	RoboMAX with rubber tracks
ENG71305000054	US Dual BAND radio remote control
ENG20101000010	Mineral hydraulic oil
ENG0KT01000049	Orange Paint (STD)
ENG0KT01000261	Radiator hood protection
ENG21001000004	Greasing pump with pressure gauge
ENG91323000003	Emergency control