



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:	Tool Carrier
Item Number:	294

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

ILF ALPHA

ILF Alpha is a self-propelled machine equipped with a telescopic arm suitable for the installation of various equipment to operate in the control of vegetation. A fundamental and unique feature of its kind is the possibility of rotating the cabin up to 90° with respect to the longitudinal axis of the machine in order to give the operator maximum visibility and comfort during work.

This self-propelled machine is equipped with the latest generation **John Deere engine** that provides **173 HP** in compliance with the EPA Tier 4 anti-pollution regulations.

In addition to the wide range of types and arm lengths, it is possible to equip the machine with different configurations to manage equipment installed at the front and rear.





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Standard equipment:

MACHINE:

- LED daytime running lights
- Steel reinforced rear light bar
- Integrated LED rear lights for road traffic
- 8 ft tow bar (without braking systems)
- Fuel tank capacity 65 gal
- AdBlue® tank capacity 6 gal
- Hydraulic oil tank capacity 79 gal
- Retractable folding step on the counterweight for easy refueling
- Double front steps on left and right for safe cab Ingress/Egress (right step only when the cabin is rotate)
- Large tool compartment on the right side of the machine complete with Energreen Service Toolbox
- MICHELIN XF (18 R22,5) tires

ENGINE:

- John Deere 4045CI 4.5-liter liquid-cooled in-line 4-cylinder engine
- HPCR (High-Pressure Common-Rail) injection with 4 valves per cylinder
- Engine power 173 HP (at 2200 rpm)
- Engine data control and regeneration devices management (exhaust gases treatment) integrated in the ECI - Energreen Control Interface (in-cab 10" monitor)
- FLEXXAIRE proportional hydraulic reversible fan system (AUTO and MANUAL activation)
- Separate cooling circuits (coolant - intercooler - hydraulic oil) with reinforced multi-section radiator
- 11" two-element air filter (primary and safety) and self-cleaning cyclonic pre-filter
- 200 A /14 V DC alternator
- Automatic battery isolator switch
- Exhaust emissions compliant with EPA Tier 4
- EGR (Exhaust Gas Recirculation) module with throttle valve and air heat exchanger managed by ECU (Engine Control Unit)
- Exhaust system consisting of EGR (Exhaust Gas Recirculation) + DPF (Diesel Particulate Filter) + DOC (Diesel Oxidation Catalyst) + SCR (Selective Catalytic Reduction) with regeneration without burner

AXLES AND BRAKING SYSTEM:

- Axles with 10 Stud Hub with maximum permissible load:
 - o front: 19800 lbs
 - o rear: 19800 lbs
- SCD - Stability Control Device system for locking/unlocking the front axle oscillation by means of hydraulic cylinders controlled by ECI
- 100% Front and rear Diff lock with electro-hydraulic in-cab control
- Axle lubrication system from a single access point in an easy position
- 8-Discs Oil immersed brakes system
- Negative parking brake



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TRANSMISSION AND STEERING:

- Continuously variable hydrostatic transmission with two-speed mechanical gearbox (work and transfer gear)
- ECO-MODE system to provide efficiency savings when travelling between worksites by lowering engine RPM when travelling at 25 mph
- Selectable drive modes 4wd or 2wd
- Electronic recognition of wheel alignment and selection of steering mode by ECI
- Selectable steering mode:
 - o 2-wheel steer (only front)
 - o 4-wheel steer
 - o Crab steer

HYDRAULIC SYSTEM:

- Piston pump and motor, in closed circuit, for the arm-mounted equipment
- Piston pump and motor, in closed circuit, for the machine transmission
- Gear pump, in open circuit, for the movements of the arm
- Gear pump, in open circuit, for the breaking system
- Gear pump, in open circuit, for the steering system
- Pressurized inlet and outlet filter for closed circuits with filter blockage indicator
- In line high pressure filter for the hydraulic valve block protection with filter blockage indicator
- Hydraulic oil flow (0-100 %) control of the equipment hydraulic circuit by ECI
- Modular 6-section hydraulic valve block:
 - o n° 5 proportional elements (electronic piloting)
 - o n° 1 hydraulic safety element (electronic piloting)
- Boom suspension system with nitrogen accumulators
- Floating movement function of the cutting head tilting
- Hydraulic oil temperature display

STANDARD CAB:

- 90° Rotating cabin
- FOPS (ISO 3449) - ROPS (ISO 3471) cabin approval
- ECI (Energreen Control Interface) consisting of on-board computer with 10" touchscreen display, PowerTrack (navigation knob) and electronic keypads for controlling the functionalities of the machine and the engine
- Tilting (in two points) and height-adjustable steering column
- Electronic direction control lever
- GRAMMER MAXIMO XXL seat with air suspension and adjustable lumbar shock absorber
- Innovative and redesigned ergonomic right armrest, integrated into the seat and adjustable (with joystick housing for boom, fingertip joysticks housing for machine settings and mini-joystick housing for front hydraulic functions if the machine is equipped with front options)
- Front windshield washer wiper
- Electronical controlled air conditioning system, pollen filter and dedicated exchanger
- Retractable sunshade on front windshield
- Left mirror
- Height-adjustable LED beacon
- Cab door with partial opening upper window
- Cab rear window partial opening and darkened with UV rays reduction treatment
- Lateral documents holder
- Automatic LED courtesy lights
- Emergency glass break hammer
- External electrical socket for 12 V DC services
- Internal 12 V DC socket
- Two-way USB socket (2x 5 V DC - 1 A)
- Clothes hangers



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Build Part Numbers:

ENG03501000037	ILF ALPHA F11
ENG0KT01000940	Homologation USA - Alpha
ENG0KT01000705	Special lights-kit USA homologation
ENG0KT01000299	Tires Alliance 600
ENG0KT01000908	Fenders for tires 600 and 650
E00301370000	Hydraulic rotator
ENG20101000017	Mineral hydraulic oil
ENG0KT01000049	STD ENERGREEN paint - RAL 2011 Orange/RAL 7021 Grey
E620KITBRA02	Hydraulic quick couplings mounted on the arm
ENG0KT01000605	Fire extinguisher