



ENERGREEN[®] America



PROFESSIONAL MACHINES

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

Contract: VSA Heavy Equipment #23-04-0713
Group: Tool Carrier
Item Number: 297

ILF KOMMUNAL

ILF Kommunal is a multifunctional self-propelled machine equipped with a front quick coupling system that allows the installation of multiple equipment for vegetation control, construction work and multi-season street maintenance. Thanks to the fixed cabin and the front-mounted equipment, the operator has maximum visibility and comfort during work.

This self-propelled machine is equipped with the latest generation **Deutz engine** that provides **143 HP** in compliance with the EPA Tier 4 anti-pollution regulations. In addition to the front-mounted equipment, it is possible to set up different configurations to manage rear-installed equipment.





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Standard equipment:

MACHINE:

- Halogen running lights
- Service towing hook (not homologated for road circulation)
- Fuel tank capacity 44 gal
- AdBlue® tank capacity 4 gal
- Hydraulic oil tank capacity 83 gal
- Large tool compartment on the right side of the machine complete with Energreen Service Toolbox
- MITAS MPT (445/65 R22,5) tires

ENGINE:

- Deutz TCD 3.6 L4 3,6-liter liquid-cooled in-line 4-cylinder engine
- Common-Rail injection with 4 valves per cylinder
- Engine power 143 HP (at 2200 rpm)
- Engine data control and regeneration devices management (exhaust gases treatment) integrated in the Deutz display
- Separate cooling circuits (coolant - intercooler - hydraulic oil) with reinforced multi-section radiator
- 10" two-element air filter (primary and safety) and self-cleaning cyclonic pre-filter
- 120 A /14 V DC alternator
- Automatic battery isolator switch
- Exhaust emissions compliant with EU Stage V
- 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 8 Stud Hub with maximum permissible load:
 - front: 15388 lbs
 - rear: 14330 lbs
- SCD - Stability Control Device system for locking/unlocking the rear axle oscillation by means of hydraulic cylinders controlled by in-cab button
- 100% Front and rear Diff lock with electro-hydraulic in-cab control
- 6-Discs Oil immersed brakes system
- Negative parking brake

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
- Electronic recognition of wheel alignment and in-cab selector of steering mode
- Selectable steering mode:
 - 2-wheel steer (only front)
 - 4-wheel steer
 - Crab steer



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HYDRAULIC SYSTEM:

- Piston pump and motor, in closed circuit, for the front-mounted equipment
- Piston pump and motor, in closed circuit, for the machine transmission
- Gear pump, in open circuit, for the equipment movements
- 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 in-cab potentiometer
- Modular 5-section hydraulic valve block:
 - o n° 4 proportional elements
 - o n° 1 ON/OFF element
- Boom suspension system with nitrogen accumulators
- Floating movement function of the cutting head tilting
- Hydraulic oil temperature display

STANDARD CAB:

- FOPS (ISO 3449) - ROPS (ISO 3471) cabin approval
- On-board computer with display for controlling the functionalities of the engine
- Tilting and height-adjustable steering column
- Electrical direction control lever
- SEAT ALTO S55 seat with air suspension
- Right armrest integrated into the seat and adjustable (with boom joystick housing)
- Front windshield washer wiper
- Electronical controlled air conditioning system, pollen filter and dedicated exchanger
- Left mirror
- Cab door with 60/40 opening
- Cab rear window darkened with UV rays reduction treatment
- Rear documents holder
- Manual halogen courtesy light
- Emergency glass break hammer
- External electrical socket for 12 V DC services
- Two-way USB socket (2x 5 V DC - 1 A)
- Clothes hangers
- Cup holder
- DAB/Bluetooth stereo complete with handsfree
- Right side in-cab mirror
- Instant reverse pedal
- 4 LED working lights (2 cab + 1 boom + 1 hood)
- Retractable sunshade on front windshield
- Roof window with safety grill, retractable sunshade and windshield wiper



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Build Part Numbers:

ILF KOMMUNAL	ILF Kommunal
ENG0KT01000317	Approval KIT for USA
ENG0KT01000703	Special lights-kit USA homologation
ENG20101000004	Mineral hydraulic oil
ENG0KT01000049	Paint STD Energreen
ENG0KT01000281	Reversible fan
ENG0KT01000319	Tires Alliance 600
ENG0KT01000227	Kit mudguards for tires 450
ENG0KT01001013	Extra Ballast
ENG03501000014	Boom model FAST 7
E00301370000	Hydraulic rotator
E620KITBRA02	Hydraulic quick couplings mounted on the boom
ENG0KT01000605	Fire extinguisher
ENG0KT01000437	Additional ballast kit