eagle 6035

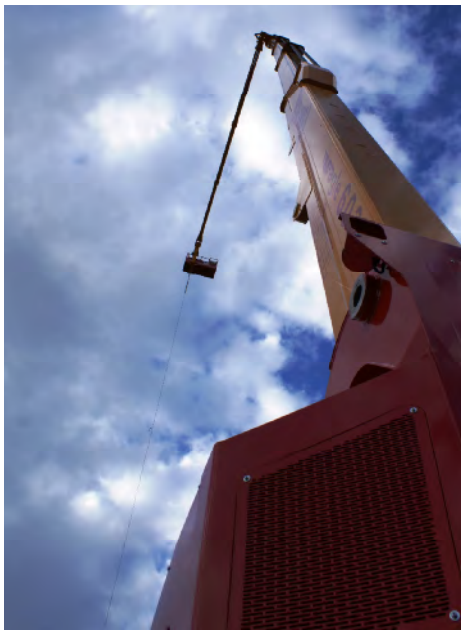
DESCRIPTION OF THE TECHNICAL FEATURES

The "EAGLE" series telescopic equipment for aerial work, created to allow overhead work, offers a considerable reach and features a telescopic jib attached to the top of the last section of the base telescopic arm, which allows:

- the ability to load and climb onto the platform in any position
- obstacles to be manoeuvred around at heights
- full use of the work area
- extreme precision when approaching objects at heights
- extremely small footprint during carriage.

BASE FRAME

A quality, arc-welded steel frame, fastened to the truck chassis. The frame is fitted with four outriggers on extendable crossmembers, and a rotation thrust bearing housing on the back of the frame to support the superstructure. The frame is completed with a non-slip aluminium work platform floor, side panels, and a ladder for accessing the ground control post.



ARM-BEARING TURRET

Quality press-formed, arc-welded sheet steel mounted on a large double ball bearing, with electric and hydraulic rotary distributors that allow the superstructure to perform 360° continuous rotation. Rotation device with normally engaged automatically releasing parking brake.

TELESCOPIC ARM

Telescopic extension work arm with synchronised extension of the arm sections, which are made of press-formed, arc-welded high-yield strength steel sheet. The extending arm sections run on self-lubricating sliding blocks with an extremely low friction coefficient. Inside it, the arm houses the trunking for the hydraulic lines and electric cables.

EXTENDABLE JIB

Fastened to the last section of the telescopic work arm, this features a 170° joint. It is built of press-formed, arc-welded steel sheet with a high-yield strength steel. The jib is equipped with two telescopic sections, which means it is highly efficient for manoeuvring into high spaces, over any obstacles. Inside it, the jib houses the trunking for the hydraulic lines and electric cables.

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OPERATOR'S PLATFORM
Arc-welded tubular aluminium frame, with hydraulic widthways extension to provide considerably larger work front. Equipped with access gates featuring spring closure and lock, hydraulic rotation of 180° to the right and 180° to the left with respect to the arm (to be able to line up with the work front), levelling using a hydraulic actuator with automatic electronic control and manual emergency functions.

CONTROLS
Proportional, electrohydraulic controls, dual control post with platform control priority.

HYDRAULIC SYSTEM POWER SUPPLY
Main system: with pump coupled to vehicle PTO. Emergency control system with electrohydraulic power unit powered by truck batteries, which allows the machine to be returned to the resting position when the truck engine is off.

OUTREACH LIMITER
The machine is equipped with an outreach limiter, which is necessary to ensure the stability of the platform over the entire work area. All the control panels have early warning signals which sound, accompanied by a flashing light, to warn the operator that the maximum outreach limit is close (therefore warning of the imminent automatic locking of all functions which could decrease stability).

REDUCED STABILISATION SPACE
In order to reduce the size of the base while working in confined spaces, a system is installed that allows the outrigger crossmembers not to be extended on the side opposite where the arm is reaching out. This system allows the rotation and opening of the arm only on the side where stabilisation is guaranteed, automatically locking rotation if the operator tries to move into the work area where stabilisation is reduced. It is also possible to establish a work area with partial stabilisation.

BALLAST FOR BALANCE.
By adding ballast the machine can perform in larger areas, as shown in the enclosures.
The ballast can be installed on the loading platform by means of the platform arm or an appropriately sized crane (ballast: 90q, split in two pieces).
Obviously, the equipped vehicle cannot move with the ballast in place.

STANDARD SAFETY DEVICES

Truck shift lever lock for when platform is in use
Electronic platform levelling control
Outrigger crossmember extension control for the various work areas
Emergency lowering system with electrohydraulic unit
Automatic rotation limiter: active when machine is used without outriggers extended on the side opposite the work area
Turret rotation brake normally engaged
Truck level inclinometer
Stabilisation interlock during arm opening
Use and maintenance manual

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Outreach limiter with early warning signal (sound and light)
Priority of controls on platform
Hydraulic system protection with pressure relief valve
Thermal protection devices for electrical system with signal LEDs
Emergency button with engine stop
Electrohydraulic control system for base truck levelling
Overcentre lock valves on all cylinders

ACCESSORIES FITTED AS STANDARD

Automatic engine accelerator
Area Z
Automatic self-levelling feature for truck implemented via outrigger adjustment
Start/stop control on platform and on turret control station for truck engine and auxiliary engine if featured
Gear shift lock when stabilisation is complete
Safety belt qty: 3
Danfoss proportional controls that allow several simultaneous manoeuvres
Control console equipped with manoeuvre and limit monitoring display
Equipment running time meter
Rotation limiter activated in work area when outriggers are not fully extended
Device (on truck dashboard) to signal outriggers not in resting position
Double yellow rotating lamp mounted on truck cab
Emergency electric pump with automatic activation powered by truck batteries
Interphone system between turret and platform control consoles
Multi-curve outreach limiter
HONDA silent auxiliary engine
Silent exhaust with catalytic converter on auxiliary engine
Oversized polyurethane outrigger base plates
Hydraulically-extendible galvanised platform with sliding section on one side only, dimensions: 2400x1000x1100 h mm, extendible to 3600 mm
Bilateral outrigger control station
Electric power socket on platform for 24 V DC lamps
Backlit control console panels
Hydraulic platform rotation
Position indicator lights on outrigger arms
Power take-off engaged signal light (on truck dashboard)
Drop-leaf side panels on 2 sides, h 200 mm
Rain shelter for turret control station

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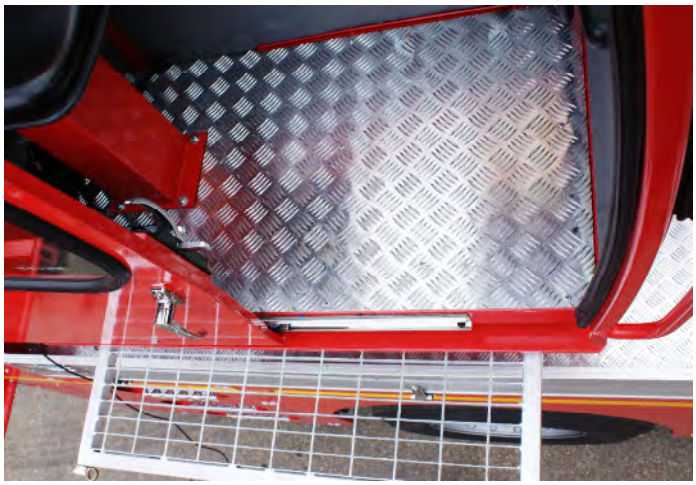
FEATURES AND PERFORMANCE

Max. operating height	60 m
Max. operating outreach	35 m
Maximum capacity	280 kg/3 people 500 kg/4 people
Dimensions of aluminium operator platform	2400 x 1000 x h1100 mm, hydraulically enlargeable to 3600 mm
Controls	Proportional electro-hydraulic system
Turret rotation	continuous
Operator-platform rotation	180° right + 180° left
Stabilization	4 stabilizers on extendible crossbeams
Minimum permitted total weight for installation	32 tonnes+ ballast for fitting on site (must not be in place during transportation on the road)

OPTIONALS AVAILABLE ON REQUEST

- Impermeable multicolour rests, 8 dimensions, measuring 80 x 80 cm
- Electrically footboard
- Stainless-steel boot, 700 x 400 x h 500 mm, underneath bed
- Control position in turret enclosed in glass cabin
- 60W illuminating lamp on operator platform supplied by vehicle's batteries
- 220VAC current generator, monophase, 380VAC, three-phase at 8kva with hydraulic coupler and power distribution panel in column
- Soundproofed auxiliary motor, Hatz, 4-cylinder with variable-flow pump
- Notice holder
- Webasto heating in cabin
- Underbed water tank with soap dispenser
- Adhesive messages on arm
- Paint other than standard (white RAL 9016)
- Extra painting of vehicle cab



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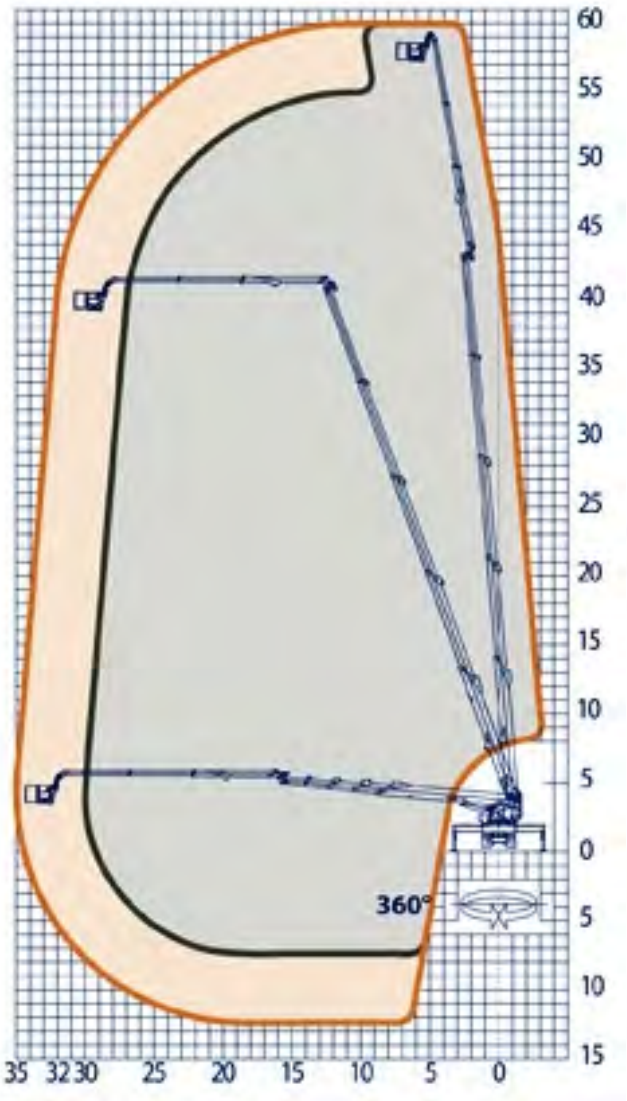
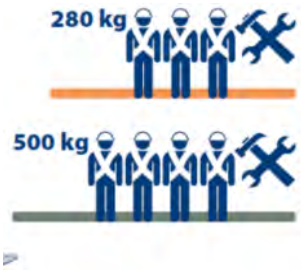
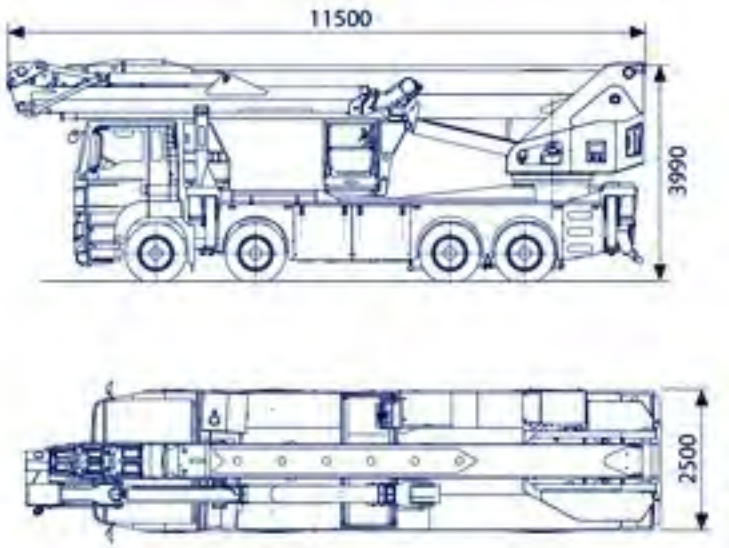
OPERATING AREA AND GEOMETRICAL FIGURES







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