

RANGER S – SERIES **S-420**



CONTROL WITH PRECISION AND SAFETY

Full Hydraulic control assures smoothness of movement and reliability unequalled by any other system.

The cage and boom controls are simple, clearly marked and operate in the natural sense. Movements can be carried out with precision in all 3 planes – simultaneously if desired. The speed of operation is controlled directly and progressively by the control levers – small movements with exactness, large movements with safely controlled speed.

It is impossible to exceed safe working limits as automatic safety stops close the control valves at the limits of boom movement – bringing the movement gently to a halt without shock loads to boom or discomfort to occupants. Restrictor valves in the boom cylinders control the maximum rate of descent to safe speeds. Hydraulic lock valves are integral with main boom cylinders for protection against accidental damage. They give completely “fail-safe” characteristics – even if the hydraulic pipe should be severed, the boom affected will stay safely in position.

A second set of controls is provided at the turntable – which can override the cage controls in an emergency, but are still subject to the automatic safety stops. An interlock prevents operation of the booms or rotation until all four jacks are firmly in position – and the jacks cannot be retracted until the booms are stowed for transit



Three boom/telescopic construction maximises manoeuvrability, with up-over-and-down access to the far side of roofs and obstructions



SAFE SWIFT & SURE

RANGER S – SERIES

S-420



Street Lighting maintenance



Large (2.21m²) high strength tubular alloy cage with full hydraulic controls, safety belt anchorage, work light, 24v electric take off point

Options : Consult factory on all options

- ◆ Amplifier Intercom
- ◆ 110V @ cage
- ◆ Jack warning lights
- ◆ Cab beacons
- ◆ Diesel Standby engine (Petrol standard)
- ◆ Full spares kit 1, 3 or 5 years operation
- ◆ Additional options available on request
- ◆ Mount at Destination package (export only)

Standard Features :

- ◆ Heavy duty construction
- ◆ Dual levelling rods for double safety
- ◆ 4 stabilising jacks
- ◆ Cage lifting eye
- ◆ Painted Golden Yellow
- ◆ 360 degrees continuous rotation
- ◆ Mounted with decking, pump and PTO

Typical Applications

Road and motorway lighting; all types of building, construction, maintenance and inspection work; overhead cable; entertainment and shopping centres; façade and advertising sign work; tree trimming, television radio and communication relay stations, aircraft hangar and tailplane inspection, high rise work of all kinds

SPECIFICATIONS

RANGER Model Code	S-420
Working height	42.0m
Platform height	40.0m
Maximum outreach	19.15m
Maximum safe working load	365kg
Cage Lifting Eye	365kg
GVW minimum	24.90 tonne
Stabiliser spread	4.88m

TYPICAL OVERALL TRAVELLING DIMENSIONS

Length	14,900mm
Width	2,500mm
Height (subject to truck details)	3,850mm

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