

# Skyprobe SERIES 2



- Operational advantages of articulated and telescopic platforms combined into one unit
- Working heights from 23-27 metres
- 250 kilogram basket capacity
- Compensation linkage boom movement system

**Abbey**

# Skyprobe SERIES 2

The Skyprobe Series 2 combines the operation benefits of both articulated and telescopic boom movements into one versatile and compact unit.

## Standard Features

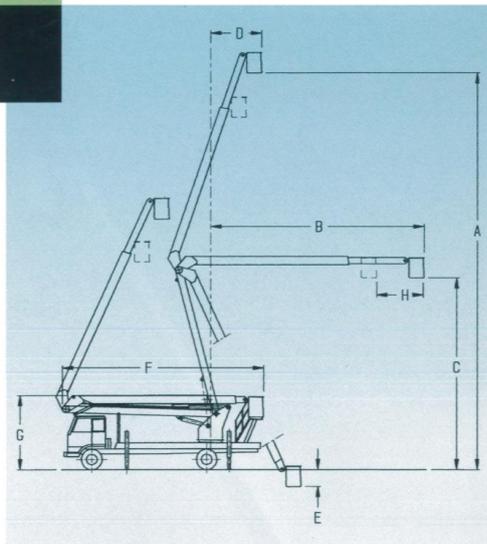
- Multi-lever, electro mechanical controls
- Closed circuit PTO powered hydraulic circuit incorporating 36 litre (8 gallon) accumulator
- Positive basket leveling via patented rotary valve/hydraulic cylinder system
- High and low voltage electrical insulation
- Removable escape hatch in basket
- 2 pairs of "A" frame type hydraulically operated outriggers stabilizers
- Continuous rotation provided via worm reduction gearbox with brake
- Automatic vehicle engine speed control whilst PTO is engaged
- Mechanical compensating linkage system for "parallel to the pole" basket movement
- Electric slip ring for electrical services to the basket

## Standard Safety Features

- Hydraulic extension and lift cylinders fitted with double pilot operated overcentre valves
- Manual overrides on boom lift, extension cylinders and rotation gearbox allows for manual unit stowing
- Emergency DC electric hydraulic back-up system
- Equipment is designed to generally comply with International Standards and meets or exceeds the requirements of Australian Design Standard AS1418.10
- Vehicle gradient indicators
- Outrigger stabilizer/boom interlock

## Optional Features

- Hydraulic power tool outlets at the basket and/or ground level
- Hydraulically operated out and down outrigger stabilizers
- Controlled Descent Devices (CDD's) at the basket
- Hydraulic platform rotator
- Body and lockers to suit customer needs
- Other options upon request



## Skyprobe Series 2 Specifications

Operating Data	SP250/23	SP250/27
Maximum working height	23.2 m (76.1 ft)	26.8 m (87.9 ft)
Maximum basket floor height	'A' 21.7 m (71.2 ft)	25.3 m (83.0 ft)
Maximum outreach from centreline rotation	'B' 13.0 m (42.6 ft)	14.0 m (45.9 ft)
Basket floor height at maximum outreach	'C' 9.0 m (29.5 ft)	11.6 m (38.0 ft)
Minimum Basket Radius at maximum working height	'D' 3.1 m (10.2 ft)	2.4 m (7.9 ft)
Maximum distance below ground level.	'E' 1.5 m (5.0 ft)	1.5 m (5.0 ft)
Unit overall stowed length	'F' 9.6 m (31.5 ft)	11.0 m (36.0 ft)
Stowed travel height	'G' * 3.6 m (11.8 ft)	* 3.8 m (12.5 ft)
3rd boom telescopic movement length	'H' 4.6 m (15.1 ft)	4.6 m (15.1 ft)
Rotation	Continuous	Continuous
Safe working load in basket	250 kgs (551 lbs)	250 kgs (551 lbs)
Standard basket size	L 1.2 m x W 0.6 m x D 0.9 m (4.0 ft x 2.0 ft x 3.0 ft)	
Approximate unit weight	** 5915 kgs (13043 lbs)	** 7252 kgs (15990 lbs)
Minimum GVM requirements For chassis	++ 14000 kgs (30870 lbs)	++ 22000 kgs (48510 lbs)

\* Based on a standard chassis height of 900 mm (3.0 ft).

\*\* Unit weight includes oil tank, stabilizers. It does not include the weight of the mounting frame and body.

++ As factors other than the GVM affect the stability of the product, all proposed chassis must be validated by Abbey Equipment or its accredited agent.

© Copyright 1996 We reserve the right to make changes to the specifications at any time without notice.

**Abbey Equipment Pty Ltd**  
A division of Major Engineering Group  
ACN 065 321 548

100 Fairbank Road,  
Clayton, Victoria,  
Australia, 3169

Telephone:  
+ 61 3 9551 8866

Facsimile:  
+ 61 3 9551 5723

# Abbey

Distributed by: