

Spider FS 420C

class 36m-42m



CASE STUDY

Nature of job:
Repairs in a large internal atrium

Reason for choosing this Spider Lift:
Narrow, large working height, cost effective alternative to scaffolding

The Olympic Village in London faced a challenging access problem. After scaffolding had been removed from a large, narrow atrium where access was extremely difficult, it was noticed the job wasn't complete. Instead of re-scaffolding the whole atrium, Easi UpLifts provided a cost effective and safe solution.



The large working height meant the Spider was able to reach the top of the atrium.



Variable jacking allowed the FS 420C to be set up in the small area of the atrium.



DNK



setup time 9:30 engine 11:15 battery

WORKING HEIGHT	42.00m
WEIGHT	8,600kg
OUTREACH	16.50m
LENGTH	8.25m
WIDTH	1.22m

KEY FEATURES

- Variable jacking:** Allows the machine to be set up in a smaller area.
- Double jib:** Allows additional 6m reach and the operator can go under, over and between obstacles.
- Outreach:** As a telescopic boom this machine has an extensive outreach.
- Non-marking tracks:** Rubber-free tracks for indoor use.

SPECIFICATIONS

Specification		Metric	Imperial
Working Height		42.00m	137ft 10in
Platform Height		40.20m	131ft 11in
Working Outreach		15.50m - 16.50m	50ft 10in - 54ft 2in
Slew		380°	-
Width	Travelling	1.22m	4ft
	Max. Working	6.54m	15ft 1in
	Min. Working	4.31m	14ft 2in
Length	Travelling	8.25m	27ft 1in
	Max. Outrigger	6.54m	15ft 1in
	Min. Outrigger	4.31m	14ft 2in
Height		2.10m	6ft 11in
Minimum Weight		8,600kg	18,963lb
Platform Capacity		200kg	440lb
Platform Size		1.4m x 0.8m x 1.1m	55in x 31in x 43in
Outrigger Plate		0.40m x 0.3m	16in x 12in
Drive Speed		1.5kph	0.9mph
Maximum Setup Incline		-	-
Gradeability		40% (20°)	-
No. Outrigger Positions		3	

FLOOR LOADINGS

Surface	Metric	Imperial
Max. Load per Outrigger	3,773kgf	8,318lbf
Max. Track Surface Pressure (Soft Ground)	1.3kg/cm ²	2,662lb/ft ²
Max. Surface Pressure on each Outrigger	3.1kg/cm ²	6,349lb/ft ²

PLUG-IN VOLTAGE



400V, 32 Amp or 240V, 16 Amp
3-phase 400V for 240V for controls.

CRANING*

The outriggers need to be placed in the narrow position (not transport position) and the crane should be attached to the fixing points at the outriggers. Length of the lifting chains on the crane should be adjusted to give balance to the Spider, as the centre of gravity is not located in the middle of the outrigger attachment



*Craning is the same for all Falcon Spider Lifts in this book.

