Height for Hire

we are the access specialists



THE BIG YELLOW BOOK

edition 1

EASY-TO-USE GUIDE TO SPECIALISED ACCESS MACHINERY

www.heightforhire.com

WELCOME

Welcome to The Big Yellow Book, everything you ever wanted to know about specialist access machinery, but never thought of asking!

Using our extensive experience and expertise as a leading supplier of Spider access machines in Ireland and the UK, we compiled this comprehensive guide to Spider Lifts with our customers in mind, providing you with a choice of safe and easy access solutions to protect your people and your property.

If life were merely a series of ups and downs, we wouldn't need this book. But life isn't that simple! Obstacles get in our way and we need to get around them. The path ahead is rarely smooth. We are faced with restrictions and we need to work within these constraints.

You, our customers, face these challenges every day in your working life and we understand that. Have you ever avoided a difficult task or repair just because you thought there wasn't a simple and easy way to reach it? If so, then this is the guide for you.

When you work in industries such as construction, both new build and restoration, facility management, tree surgery, Christmas decorations and seasonal display, designers and engineers, your access challenges could mean:

Width: Do you have to enter a narrow doorway to reach your site?

Length: Do you have to travel through a series of lobbies at an angle to each other in order to get to the work area?

Weight: Is there a delicate floor finish or restricted loading due to a basement or underground car park at your site?

Outreach: What outreach do you need to reach your working area? Is it straight out? Is it up and over? Is it under and up? Is it under and down? We have seen it all!

Power: Are you working in a busy or populated area that will not tolerate smoke emissions, but you need the power of a diesel engine?

Noise: Are you working out of hours in a built up area where there are noise restrictions?

There are many reasons why you should look to Height for Hire to solve your specialist access requirements, but here are three:

1. We are one of the founding companies in this industry and have been in this business for nearly forty years.
2. We supply the widest range of Spider Lift machines in the UK and Ireland.
3. We have highly trained individuals who are dedicated to making life safe and easy for you.

And three more…

We are disciplined
We are committed
We find a way

That is why we are the access specialists.



Fergus McArdle
Managing Director

Height for Hire

UK LO CALL
0845 609 9199

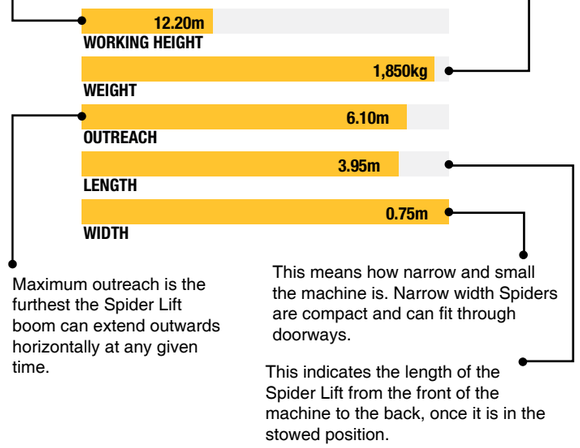
ROI FREEPHONE
1800 43 44 48

Rating metrics explained

To help you find a suitable machine for your job, we have introduced a rating system highlighting the machine's main parameters.

Maximum working height is the highest point at which the operator in the basket can work.

The weight indicates how heavy the Spider is. This is important as many Spiders work on floors with weight restrictions. The higher the machine ranks in the weight category, the lighter it is.



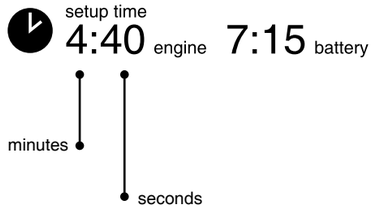
Maximum outreach is the furthest the Spider Lift boom can extend outwards horizontally at any given time.

This means how narrow and small the machine is. Narrow width Spiders are compact and can fit through doorways.

This indicates the length of the Spider Lift from the front of the machine to the back, once it is in the stowed position.

Setup times explained

This is the action of setting up the machine on its outriggers and ascending to the machine's full reach. We measured the setup times of our machines to help you choose the right one for your job.



SAFETY FIRST



BOOK YOUR SAFETY TRAINING COURSE WITH US

UK
0845 600 1550

Ireland
01 691 4008

1. EN280 standard

MEWPs must be CE marked to EN280 to be compliant with European machinery standards. At Height for Hire, all our MEWPs are bought new directly from the manufacturer. As such, compliance with all relevant European specification standards is assured.

2. Certificate of thorough examination

All MEWPs in use must have a current 6-month certificate of thorough examination carried out by a competent person. Our service engineers are CAP-certified and receive regular manufacturer training.

3. MEWP category training

Operators must hold the correct MEWP category training certificate and operator card. Note that most specialised machines are IPAF 1b, not a common category. It is your responsibility to check if your operators hold the correct MEWP category.

4. Machine familiarisation

In addition to training, operators need familiarisation on all machines, as makes and models vary. Our drivers are trained to IPAF Demonstrator level to ensure customers are given all the information they need at handover. We also provide a free technical support helpline number to help operators with queries -

00 800 800 444 33

5. Operator manuals

Operator manuals must be available to operators. All our equipment features a QR code that takes operators to an online copy of the relevant manual. A hard copy is also supplied with the machine.

6. Operator weight/Safe working load

Operator weight is crucial, as safe working loads (SWLs) may vary between models and manufacturers.
The standard European male is 80 kg, but your operator might not be. Always check this before operating.

7. Ground conditions/ Floor weight restrictions

Will your client's ground/floor take the weight of the machine in question? In order to drive the machine into position, the ground or floor must be able to take the travelling weight. Always check ground conditions and floor weight restrictions before bringing the machine on-site.

8. Machine positioning

Allow enough space for the turning circle of the machine to get around corners and for lowering the outriggers. Extra width is needed when setting up the outriggers as the outrigger operating envelope may be wider than the final set-up footprint of the machine.

9. Emergency lowering from ground controls

On specialised machines, ground controls for rescue can be complex and ground staff need familiarisation training and practice of emergency lowering. It is the responsibility of the employer to provide this training.

10. Rescue arrangements

If basket-to-basket rescue is part of your specialised machine emergency planning, be aware that the emergency services may not have the equipment to work at these heights. For basket-to-basket rescue, always use a 2nd lanyard during transfer.
Rescue training may be required as well as standard MEWP operator training.

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13m-18m



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CTE Traccess 135

LIGHTEST IN CLASS

WORKING HEIGHT	13.00m
WEIGHT	1,600kg
OUTREACH	6.50m
LENGTH	3.96m
WIDTH	0.76m



p 8-9

Hinowa Goldlift 14.70

FASTEST IN CLASS

WORKING HEIGHT	14.00m
WEIGHT	1,700kg
OUTREACH	7.00m
LENGTH	4.06m
WIDTH	1.08m



p 10-11

CTE Traccess 170

WORKING HEIGHT	17.00m
WEIGHT	2,500kg
OUTREACH	7.50m
LENGTH	4.25m
WIDTH	0.80m



p 12-13

Hinowa Lightlift 17.75

WORKING HEIGHT	17.06m
WEIGHT	2,230kg
OUTREACH	7.50m
LENGTH	4.52m
WIDTH	0.79m



p 14-15

Teupen Leo 18 GT plus

WORKING HEIGHT	18.30m
WEIGHT	2,450kg
OUTREACH	8.50m
LENGTH	5.20m
WIDTH	0.78m

21m-24m



p 16-17

Omme Lift 2200 RBD

FASTEST IN CLASS

WORKING HEIGHT	21.80m
WEIGHT	3,050kg
OUTREACH	12.20m
LENGTH	6.40m
WIDTH	1.10m



p 18-19

Denka Lift DL 22N

LIGHTEST IN CLASS

WORKING HEIGHT	22.00m
WEIGHT	2,300kg
OUTREACH	10.90m
LENGTH	6.50m
WIDTH	0.90m



p 20-21

Teupen Leo 23GT

NARROWEST IN CLASS

WORKING HEIGHT	23.00m
WEIGHT	3,100kg
OUTREACH	11.20m
LENGTH	6.20m
WIDTH	0.98m



p 22-23

Spider FS 290

NARROWEST IN CLASS LIGHTEST IN CLASS

WORKING HEIGHT	29.00m
WEIGHT	3,500kg
OUTREACH	14.00m
LENGTH	6.35m
WIDTH	0.80m



p 24-25

Omme Lift 3000 RBD

FASTEST IN CLASS

WORKING HEIGHT	29.70m
WEIGHT	4,250kg
OUTREACH	12.60m
LENGTH	8.00m
WIDTH	1.10m



p 26-27

Omme Lift 3150 RJ

WORKING HEIGHT	29.70m
WEIGHT	3,900kg
OUTREACH	12.60m
LENGTH	8.00m
WIDTH	1.10m

29m-33m

Information in this handbook is for guidance only and is subject to change at any time without prior notice in line with the manufacturers' development programme. The information is reproduced by kind permission of our suppliers.

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p 28-29

Spider FS 320Z

WORKING HEIGHT	32.00m
WEIGHT	5,900kg
OUTREACH	16.00m
LENGTH	6.95m
WIDTH	1.15m



p 30-31

Spider FS 330Z

WORKING HEIGHT	33.00m
WEIGHT	5,900kg
OUTREACH	19.00m
LENGTH	7.40m
WIDTH	1.10m

36m-42m

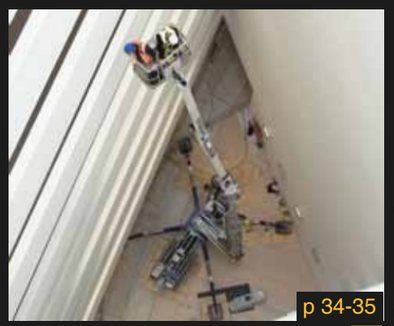


p 32-33

Teupen Leo 36T

FASTEST IN CLASS LIGHTEST IN CLASS

WORKING HEIGHT	35.50m
WEIGHT	4,850kg
OUTREACH	15.60m
LENGTH	8.18m
WIDTH	1.58m



p 34-35

Spider FS 420C

NARROWEST IN CLASS

WORKING HEIGHT	42.00m
WEIGHT	8,200kg
OUTREACH	16.50m
LENGTH	8.25m
WIDTH	1.22m

CTE Traccess 135

class 13m-18m

LIGHTEST IN CLASS



setup time
2:50 engine

13.00m
WORKING HEIGHT

1,600kg
WEIGHT

6.50m
OUTREACH

3.76m
LENGTH

0.78m
WIDTH

KEY FEATURES

Articulated:	Up and over clearance.
Removable basket:	Allows access to narrow openings improving versatility.
Bi-energy:	Diesel or mains powered.

CASE STUDY

Nature of job:
Roof work from indoors

Reason for choosing this Spider Lift:
Lightweight. Removable basket to fit through narrow doorway

Work had to be carried out on the roof of an indoor swimming pool with decorated finished floors and difficult access in a newly built leisure centre in Dublin.



The only way to gain access through the narrow entrance was to remove the basket reducing the width of the Spider to 0.78m.



The CTE 135 was then tracked down into the pool area on a makeshift ramp. Weighing only 1,600kg meant the CTE 135 was ideal for working on the decorated tiled floor.



SPECIFICATIONS

Specification		Metric	Imperial
Working Height		13.00m	42ft 7in
Platform Height		11.00m	36ft 1in
Working Outreach		6.50m	21ft 4in
Slew		320°	-
Width	Travelling	0.78m	2ft 7in
	Max. Working	3.00m	9ft 10in
	Min. Working	2.85m	9ft 4in
Length	Travelling	3.76m	12ft 4in
	Outrigger	2.85m	9ft 4in
Height		2.00m	6ft 7in
Minimum Weight		1,600kg	3,527lb
Platform Capacity		200kg	440lb
Platform Size		1.3m x 0.78m x 1.1m	51in x 31in x 43in
Track Surface Area		0.95m x 0.18m	37in x 7in
Outrigger Plate		0.16m x 0.17m	6in x 7in
Drive Speed		1.5kph	1.0mph
Maximum Setup Incline		5% (3°)	-
Gradeability		31% (17°)	-
No. Outrigger Positions		1	

FLOOR LOADINGS

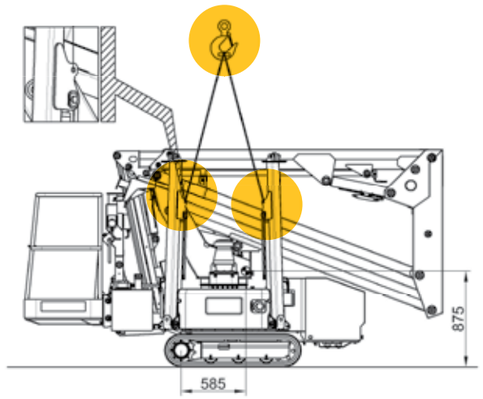
Surface	Metric	Imperial
Max. Load per Outrigger	1,530kgf	3,372lbf
Max. Track Surface Pressure (Soft Ground)	0.47kg/cm²	512lb/ft²
Max. Ground Pressure with Standard Outrigger Pads (0.5x0.5m)	0.61kg/cm²	1,249lb/ft²

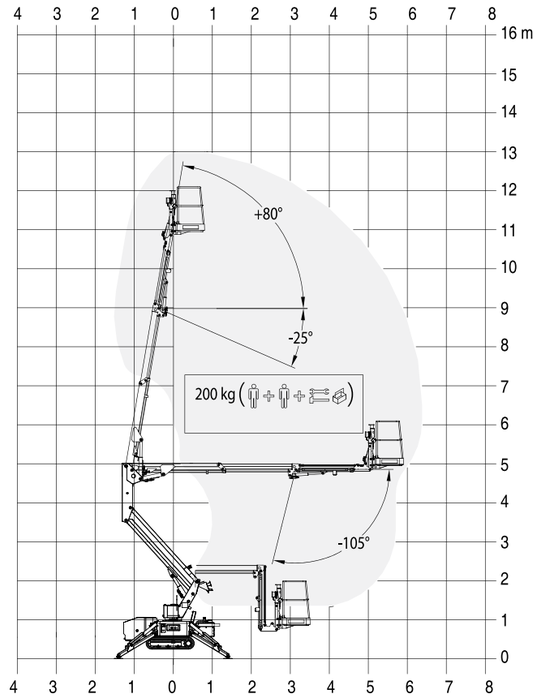
PLUG-IN VOLTAGE

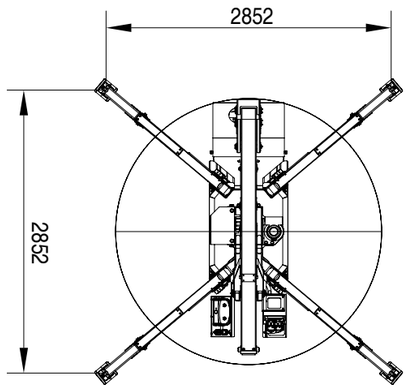
110V, 32Amp
Operates drive and boom functions.

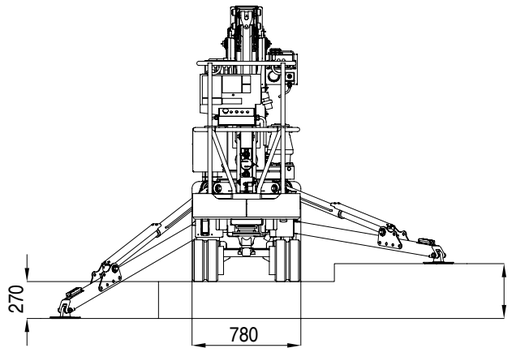
CRANING

The machine is equipped with four anchor points for lifting placed in the final part of the stabilisers.









Hinowa Goldlift 14.70

class 13m-18m



ITA

setup time
2:40 engine

14.00m
WORKING HEIGHT

1,700kg
WEIGHT

7.00m
OUTREACH

4.06m
LENGTH

1.08m
WIDTH

KEY FEATURES

Auto-level:	Allows the machine to level itself on any terrain.
Articulated:	Up and over clearance.
Removable controls:	Better overview and high flexibility while walking alongside the machine.
Non-marking tracks:	Rubber-free tracks for indoor use.

CASE STUDY

Nature of job:
House & general outdoor maintenance

Reason for choosing this Spider Lift:
Narrow access and good outreach

A customer needed to carry out repairs on the soffit and fascia at the front of their house, but also needed to cut trees at the back of the premises.



A large outreach allowed access across a flowerbed at the front of the house. The slim 0.78m width of the Hinowa Goldlift was able to access the back of the house through the narrow entrance.



A working height of 14m allowed the workers to reach the tops of the trees for pruning.



SPECIFICATIONS

Specification		Metric	Imperial
Working Height		12.68m - 14.00m	41ft 7in - 45ft 11in
Platform Height		10.68m - 12.00m	35ft - 39ft 4in
Working Outreach		5.66m - 7.00m	18ft 7in - 23ft
Slew		360°	-
Width	Travelling	0.78m - 1.08m	2ft 7in - 3ft 7in
	Min. Working	2.70m	8ft 10in
	Max. Working	3.23m	10ft 7in
Length	Travelling	4.06m	13 ft 4in
	Outrigger	3.00m	9ft 10in
Height		2.02m	6ft 7in
Minimum Setup Area		3.00m x 4.06m	9ft 10in x 13ft 4in
Minimum Weight		1,700kg	3,748lb
Platform Capacity		120kg - 200kg	265lb - 441lb
Platform Size		1.34m x 0.69m x 1.1m	53in x 27in x 43in
Track Surface Area		-	-
Outrigger Plate		Ø0.3m	Ø 12in
Drive Speed		1.4kph	0.9mph
Maximum Setup Incline		16.7% (9.5°)	-
Gradeability		31.5% (17.5°)	-
No. Outrigger Positions		1	

FLOOR LOADINGS

Surface	Metric	Imperial
Max. Load per Outrigger	1,356kgf	2,990lbf
Max. Track Surface Pressure (Soft Ground)	0.51kg/cm²	1,044lb/ft²
Max. Ground Pressure with Standard Outrigger Pads (0.5x0.5m)	0.54kg/cm²	1,106lb/ft²

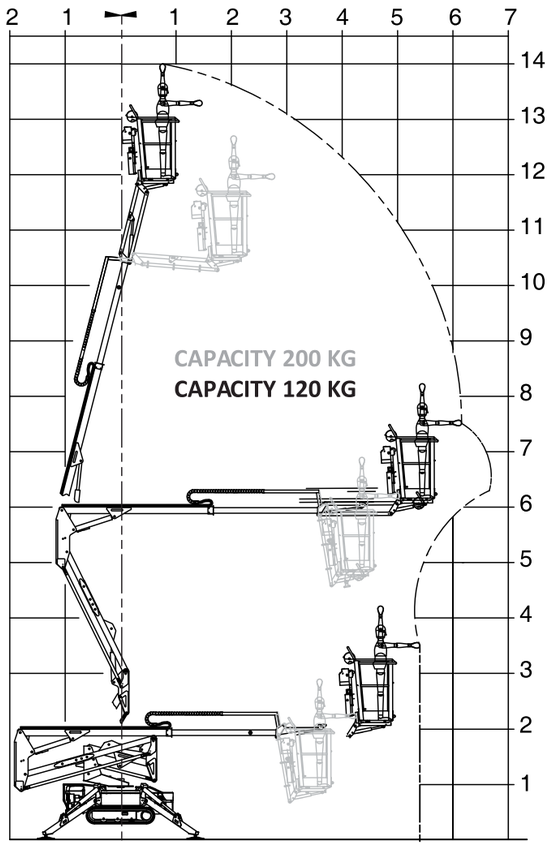
PLUG-IN VOLTAGE

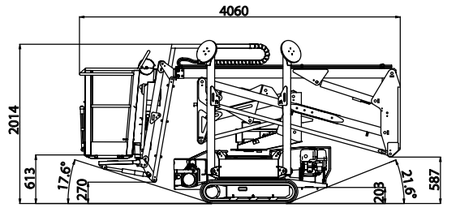
110V 32Amp
Operates drive and boom functions.

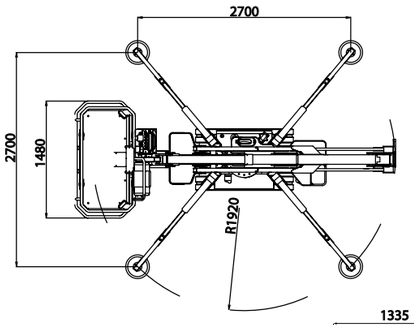
CRANING

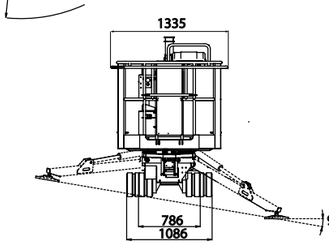
To lift the platform it must be attached to each stabiliser using the appropriate fixing rings as indicated by the yellow circles in the photo below. All four feet must be attached, otherwise the machine may not be balanced.
Moreover, it is obligatory to use four different chains or slings, which will prevent dangerous load movements in the event of breakage or incorrect anchorage of a connection device.











CTE Traccess 170

class 13m-18m



ITA

setup time
4:30 engine

17.00m WORKING HEIGHT

2,050kg WEIGHT

7.50m OUTREACH

4.25m LENGTH

0.80m WIDTH

KEY FEATURES

Articulated:	Up and over clearance.
Removable basket:	Allows access to narrow openings improving versatility.
Bi-energy:	Diesel or mains powered.

CASE STUDY

Nature of job:
Church maintenance

Reason for choosing this Spider Lift:
Non marking tracks needed, ability to negotiate steps, lightweight

The CTE 170 was used to carry out indoor repair work at an old church. The church was in use every day, so scaffolding was unsuitable as it would take too long to erect and take down. The entrance to the church was quite small so a narrow, compact spider was used.



The CTE 170's non-marking tracks were suitable for use on the church's decorated, marble floor. The lightweight CTE allowed the workers to work on the church altar and provided a safe and efficient alternative to scaffolding.



SPECIFICATIONS

Specification		Metric	Imperial
Working Height		17.00m	55ft 9in
Platform Height		15.00m	49ft 3in
Working Outreach		7.50m	24ft 9in
Slew		330°	-
Width	Travelling	0.80m	2ft 7in
	Max. Working	2.85m	9ft 4in
	Min. Working	2.83m	9ft 3in
Length	Travelling	4.25m	13ft 11in
	Outrigger	2.83m	9ft 3in
Height		2.00m	6ft 7in
Minimum Weight		2,050kg	4,519lb
Platform Capacity		200kg	440lb
Platform Size		1.3m x 0.7m x 1.1m	51in x 28in x 43in
Track Surface Area		1.16m x 0.23m	46in x 9in
Outrigger Plate		0.16m x 0.17m	6in x 7in
Drive Speed		1.5kph	1.0mph
Maximum Setup Incline		5% (3°)	-
Gradeability		31% (16°)	-
No. Outrigger Positions		1	

FLOOR LOADINGS

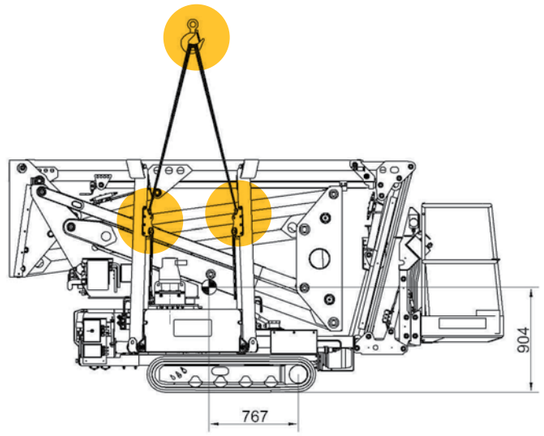
Surface	Metric	Imperial
Max. Load per Outrigger	1,530kgf	3,372lbf
Max. Track Surface Pressure (Soft Ground)	0.38kg/cm²	778.3lb/ft²
Max. Ground Pressure with Standard Outrigger Pads (0.5x0.5m)	0.61kg/cm²	1,249lb/ft²

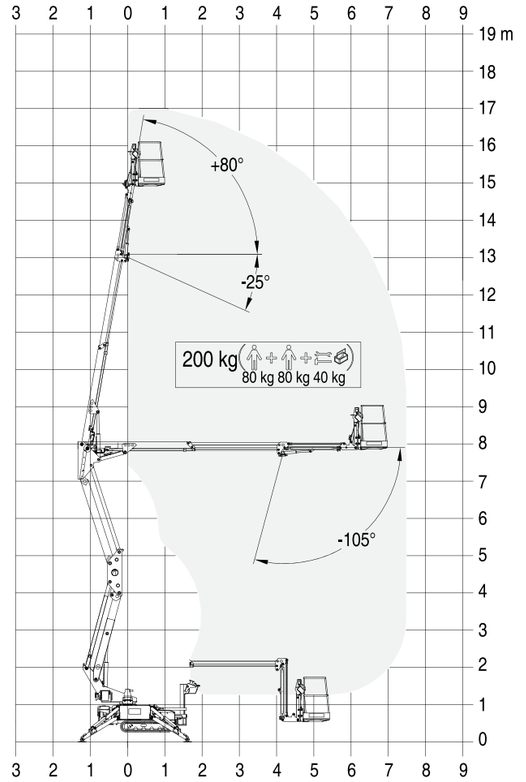
PLUG-IN VOLTAGE

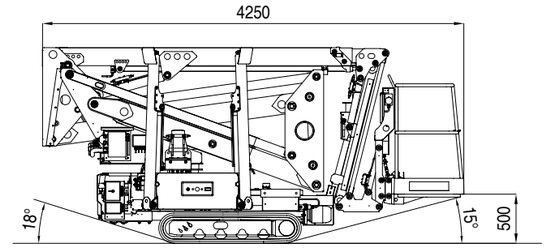
110V, 32Amp
Operates drive and boom functions.

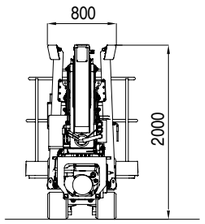
CRANING

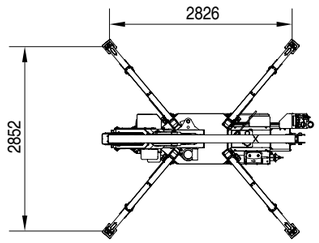
The machine is equipped with four anchor points for lifting placed in the final part of the stabilisers as shown below.

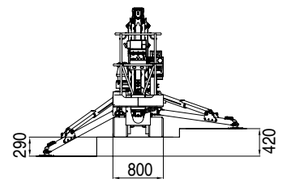












Hinowa Lightlift 17.75

class 13m-18m



setup time
3:00 engine

17.06m WORKING HEIGHT

2,230kg WEIGHT

7.50m OUTREACH

4.52m LENGTH

0.80m WIDTH

KEY FEATURES

Auto-level:	Allows the machine to level itself on any terrain.
Articulated:	Up and over clearance.
Removable controls:	Better overview and high flexibility while walking alongside the machine.
Non-marking tracks:	Rubber-free tracks for indoor use.

CASE STUDY

Nature of job:
Cleaning glass

Reason for choosing this Spider Lift:
Good outreach, lightweight, could be used indoor and outdoor

A window cleaning company had to clean a glass front on both the inside and outside of a building in Budapest.



A narrow doorway was the first obstacle facing the cleaning company. The 0.80m wide Hinowa was the ideal machine to enter the building.



The articulated boom on the Hinowa allowed the workers to reach up and over the balcony inside the building.



SPECIFICATIONS

Specification		Metric	Imperial
Working Height		17.06m	56ft
Platform Height		15.06m	49ft 5in
Working Outreach		7.50m	24ft 7in
Slew		360°	-
Width	Travelling	0.80m - 1.09m	2ft 7in
	Min. Working	2.89m	9ft 6in
	Max. Working	3.43m	11ft 3in
Length	Travelling	4.52m	14ft 10in
	Outrigger	3.05m	10ft
Height		2.00m	6ft 7in
Minimum Weight		2,230kg	4,916lb
Platform Capacity		230kg	507lb
Platform Size		1.34m x 0.69m x 1.1m	53in x 27in x 43in
Track Surface Area		-	-
Outrigger Plate		Ø0.3m	Ø12in
Drive Speed		1.8kph	1.1mph
Maximum Setup Incline		19.4% (12°)	-
Gradeability		28.7% (16°)	-
No. Outrigger Positions		1	

FLOOR LOADINGS

Surface	Metric	Imperial
Max. Load per Outrigger	2,498kgf	5,508lbf
Max. Track Surface Pressure (Soft Ground)	0.68kg/cm²	1,399lb/ft²
Max. Ground Pressure with Standard Outrigger Pads (0.5x0.5m)	1.00kg/cm²	2,048lb/ft²

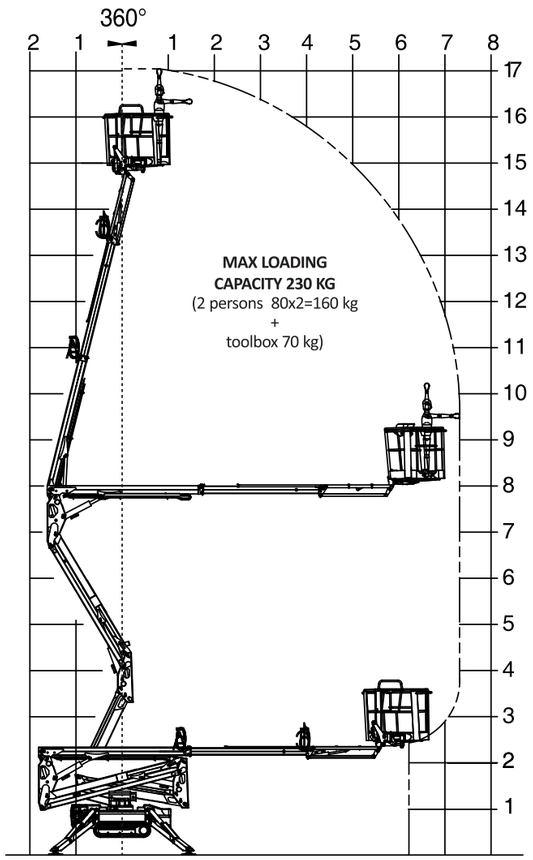
PLUG-IN VOLTAGE

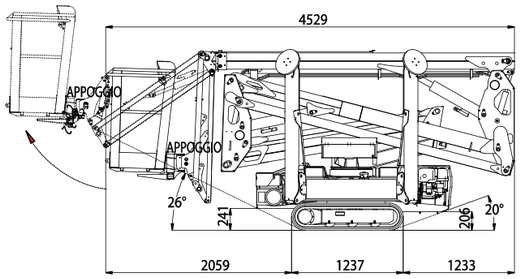
110V, 32Amp
Operates drive and boom functions.

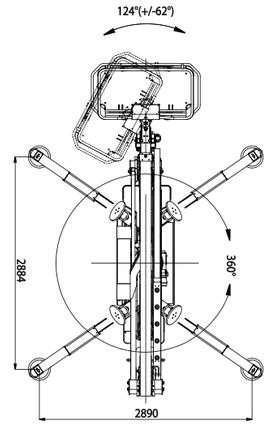
CRANING

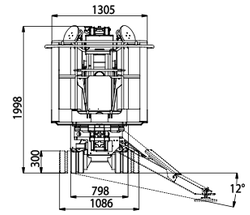
To lift the platform it must be attached to each stabiliser using the appropriate fixing rings as indicated by the yellow circles in the photo below. All four feet must be attached, otherwise the machine may not be balanced.
Moreover, it is obligatory to use four different chains or slings, which will prevent dangerous load movements in the event of breakage or incorrect anchorage of a connection device.











Teupen Leo 18 GT plus

class 13m-18m



setup time
4:40 engine 7:15 battery

18.30m WORKING HEIGHT

2,450kg WEIGHT

8.50m OUTREACH

5.20m LENGTH

0.78m WIDTH

KEY FEATURES

Articulated:	Up and over clearance.
Auto-level:	Allows the machine to level itself on any terrain.
Adjustable track system:	Allows narrowing and lowering for passing entrance or widening the footprint and giving additional ground clearance.

CASE STUDY

Nature of job:
Indoor light fitting

Reason for choosing this Spider Lift:
Narrow, light, can work on finished floors

An electrical company needed to hang new light fittings in a large retail store with a narrow entrance and finished floors.



The operator was able to carefully guide the machine through the narrow doorway with remote cable controls.



The compact Leo 18 GT plus allowed setup in a limited space.



SPECIFICATIONS

Specification		Metric	Imperial
Working Height		18.30m	60ft
Platform Height		16.50m	54ft 2in
Working Outreach		8.50m	27ft 11in
Slew		355°	-
Width	Travelling	0.78m	2ft 7in
	Max. Working	3.14m	10ft 2in
	Min. Working	3.00m	9ft 10in
Length	Travelling	5.20m	17ft 1in
	Outrigger	3.58m	11ft 9in
Height		1.99m	6ft 6in
Minimum Setup Area		3.03m x 5.20m	9ft 11in x 17ft 1in
Minimum Weight		2,450kg	5,401lb
Platform Capacity		200kg	440lb
Platform Size		1.4m x 0.7m x 1.1m	55in x 28in x 43in
Track Surface Area		1.45m x 0.20m	57in x 8in
Outrigger Plate		Ø0.2m	Ø8in
Drive Speed		1.5kph	1.0mph
Maximum Setup Incline		10% (5.7°)	-
Gradeability		36% (19.7°)	-
No. Outrigger Positions		1	

FLOOR LOADINGS

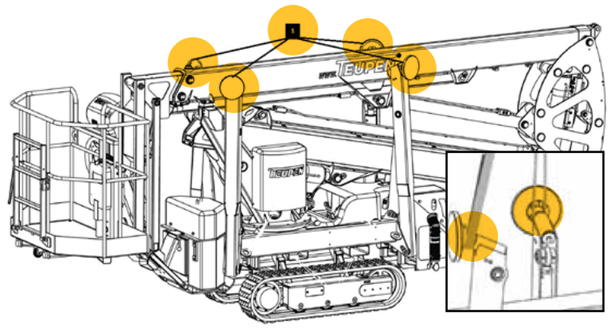
Surface	Metric	Imperial
Max. Load per Outrigger	1,764kgf	3,889lbf
Max. Track Surface Pressure (Soft Ground)	0.3kg/cm²	623lb/ft²
Max. Ground Pressure with Standard Outrigger Pads (0.40x0.45m)	0.98kg/cm²	2,007lb/ft²

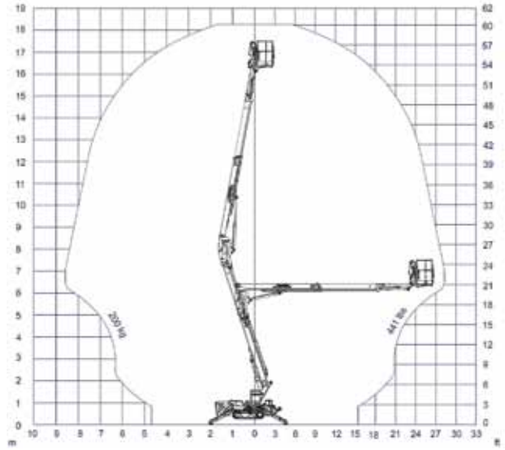
PLUG-IN VOLTAGE

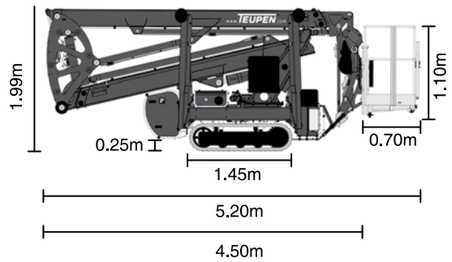
110V or 240V, 16Amp
Operates drive and boom functions.

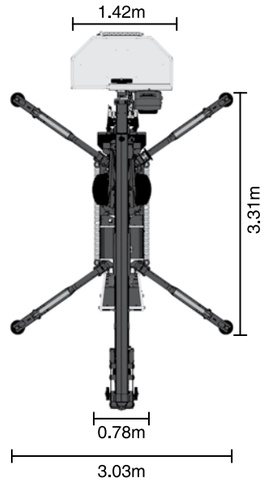
CRANING

- Put the machine in transport position.
- Switch the machine off.
- Attach belts or chains to all four support pads with shackles as shown below.
- Align the boom of the crane so that the lifting accessories are evenly loaded.
- If necessary, protect the paint of the aerial access platform with suitable underlay materials.









Omme Lift 2200 RBD

class 21m-24m

FASTEST IN CLASS



DNK

setup time
3:00 engine 3:00 battery

21.80m	WORKING HEIGHT
3,160kg	WEIGHT
12.20m	OUTREACH
6.40m	LENGTH
1.10m	WIDTH

KEY FEATURES

Variable jacking:	Allows the machine to be set up in a small enclosed area.
Remote controls:	Better overview and high flexibility while walking alongside the machine.
Outreach:	As a telescopic boom this machine has an extensive outreach.

CASE STUDY

Nature of job:
Maintenance of the glass front of a large building
Reason for choosing this Spider Lift:
Speed of set up, size, non-marking tracks

A facility management company needed to carry out vital maintenance on a building with a large glass façade.



With a width of 1.10m, the Omme 2200 RBD fitted through the narrow entrance and didn't occupy much floor space. Non-marking tracks were needed on the restaurant's finished floor.



Setup time only took 3 minutes and the workers were able to carry out maintenance on the glass at a height of 20m, causing minimal disruption to the flow of customers.



SPECIFICATIONS

Specification		Metric	Imperial
Working Height		21.80m	71ft 6in
Platform Height		20.00m	65ft 7in
Working Outreach		12.20m	40ft
Slew		400°	-
Width	Travelling	1.10m	3ft 7in
	Max. Working	5.40m	17ft 9in
	Min. Working	3.45m	11ft 4in
Length	Travelling	6.40m	21ft
	Outrigger	5.40m	17ft 9in
Height		1.98m	6ft 6in
Minimum Weight		3,160kg	6,968lb
Platform Capacity		200kg	440lb
Platform Size		1.25m x 0.80m x 1.10m	49in x 31in x 43in
Track Surface Area		1.20m x 0.23m	47in x 9in
Outrigger Plate		0.44m x 0.28m	17in x 11in
Drive Speed		-	-
Maximum Setup Incline		40% (21.8°)	-
Gradeability		40% (21.8°)	-
No. Outrigger Positions		2	

FLOOR LOADINGS

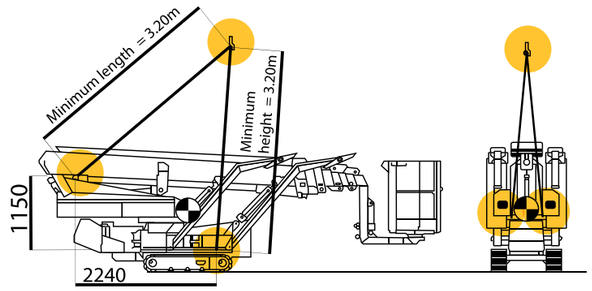
Surface	Metric	Imperial
Max. Load per Outrigger	1,35kgf	4,047lbf
Max. Track Surface Pressure (Soft Ground)	0.55kg/cm²	1,126lb/ft²
Max. Ground Pressure with Standard Outrigger Pads (0.85x0.60m)	0.36kg/cm²	737lb/ft²

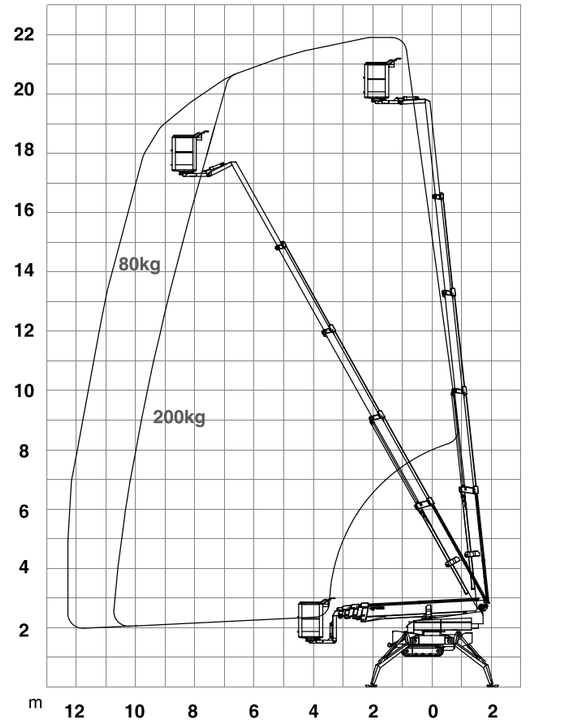
PLUG-IN VOLTAGE

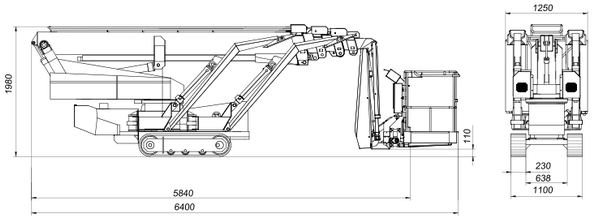
110V or 240V, 16Amp
Charges onboard batteries.

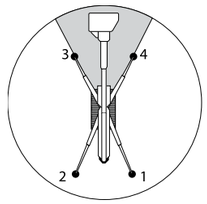
CRANING

It is recommended to use slings of the same length and the minimum length should be 3.2m. It is important to comply, as the machine must always hang at a backwards angle (please see sketch) and the lift must never tip forwards during lifting.

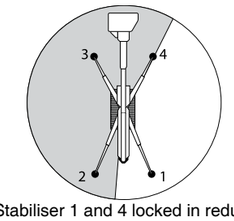




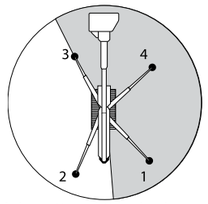




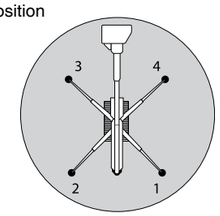
All stabilisers locked in reduced position



Stabiliser 1 and 4 locked in reduced position
Stabiliser 2 and 3 locked in maximum position



Stabiliser 2 and 3 locked in reduced position
Stabiliser 1 and 3 locked in maximum position



All stabilisers locked in maximum position

Denka Lift DL 22N

class 21m-24m

LIGHTEST IN CLASS



setup time
5:00 battery

22.00m WORKING HEIGHT

2,350kg WEIGHT

12.00m OUTREACH

6.52m LENGTH

0.89m WIDTH

KEY FEATURES

Variable jacking:	Allows the machine to be set up in a small enclosed area.
T-Bar handle:	Simple drive system on a T-Bar handle.
Outreach:	As a telescopic boom this machine has an extensive outreach.
Retracting axles:	Access to narrow openings improving versatility.

CASE STUDY

Nature of job:
Indoor light fitting

Reason for choosing this Spider Lift:
Narrow, light, can work on finished floors

The 22m Denka was hired out to a company working on the new roof lights of the Velodrome for the 2012 London Olympics.The simple drive system meant the operator could easily move the machine to his next place of work.



Narrow areas and doorways were easy to negotiate due to the Denka's compact size of 0.89m wide x 2.1m high. The Denka DL 22N weighs only 2,350kg which made it suitable for the Velodrome's lightweight floor.



SPECIFICATIONS

Specification		Metric	Imperial
Working Height		22.00m	72ft 2in
Platform Height		19.90m	65ft 3in
Working Outreach		8.30m -12.00m	27ft 3in-39ft 4in
Slew		360°	-
Width	Travelling	0.89m - 1.30m	2ft 11in - 4ft 3in
	Max. Working	4.60 m	15ft 1in
	Min. Working	3.50m	2ft 11in - 4ft 3in
Length	Travelling	6.52m	21ft 5in
	Outrigger	4.10m	13ft 6in
Height		2.14m	7ft
Minimum Weight		2,350kg	5,182lb
Platform Capacity		200kg	440lb
Platform Size		1.20m	47in
Outrigger Plate		Ø0.14m	5.5in
Drive Speed		3.6kph	2.2mph
Maximum Setup Incline		8.75% (5°)	-
Gradeability		21% (12°)	-
No. Outrigger Positions		2	

FLOOR LOADINGS

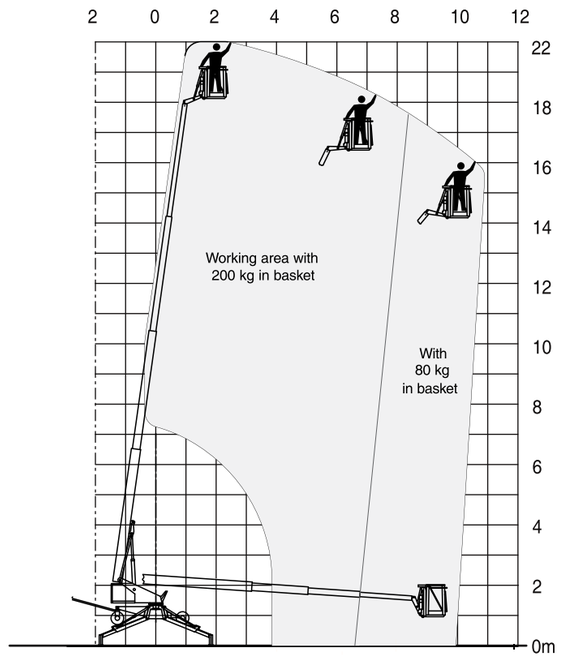
Surface	Metric	Imperial
Max. Load per Outrigger	1,734kgf	3,822lbf
Front Wheel Surface Pressure	1.46kg/cm²	2,990b/ft²
Rear Wheel Surface Pressure	2.92kg/cm²	5,981lb/ft²
Max. Ground Pressure with Standard Outrigger Pads (0.5x0.5m)	0.69kg/cm²	1,413lb/ft²

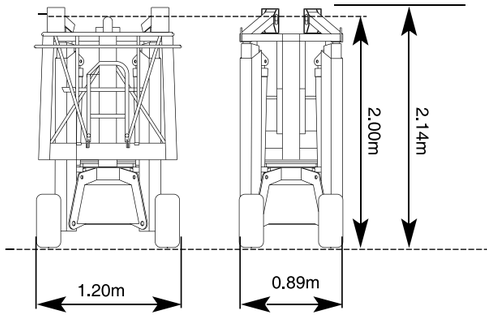
PLUG-IN VOLTAGE

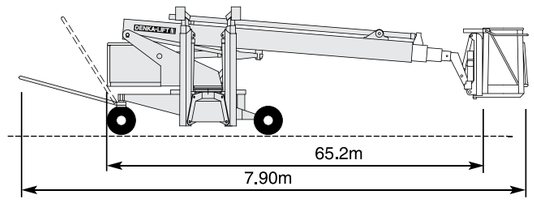
240V, 16Amp
Charges batteries (no engine).

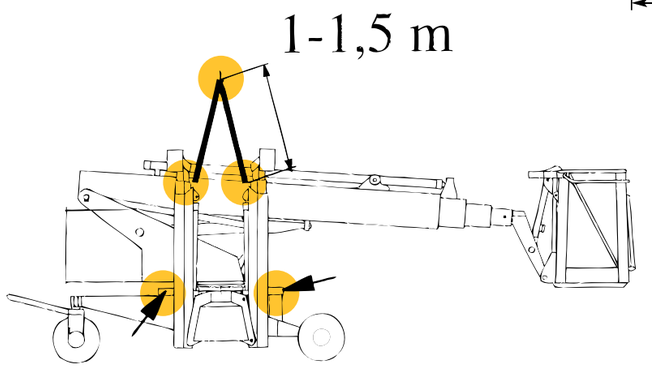
CRANING

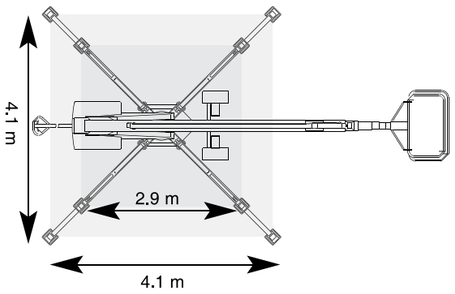
The machine can be lifted with a fork truck or slings/chains. There are lifting brackets at the chassis (see illustration). There has to be 4 straps with a length of at least 1 metre.











Teupen Leo 23 GT

class 21m-24m

NARROWEST IN CLASS



setup time
7:10 engine 10:50 battery

23.00m	WORKING HEIGHT
3,100kg	WEIGHT
11.20m	OUTREACH
6.20m	LENGTH
0.98m	WIDTH

KEY FEATURES

Articulated:	Up and over clearance.
Auto-level:	Allows the machine to level itself on any terrain.
Adjustable track system:	Allows narrowing and lowering for passing entrance or widening the footprint and giving additional ground clearance.

CASE STUDY

Nature of job:
Indoor work in new offices

Reason for choosing this Spider Lift:
Good outreach to get over obstacles, variable jacking to work in narrow areas

The 23m Teupen was used at various times throughout the construction of a brand new office block in London.



Its compact size allowed it to gain access through the narrow doorway. This particular Spider proves popular due to its variable jacking and large 11.20m outreach, allowing workers to set the machine up in small, enclosed places.



Non-marking tracks were suitable to use on the recently laid tile floor.



SPECIFICATIONS

Specification		Metric	Imperial
Working Height		23.00m	75ft 6in
Platform Height		21.20m	69ft 7in
Working Outreach		11.20m	36ft 9in
Slew		360°	-
Width	Travelling	0.98m	3ft 3in
	Max. Working	4.33m	14ft 2in
	Min. Working	2.58m	8ft 6in
Length	Travelling	6.20m	20ft 4in
	Max. Outgigger	5.97m	19ft 7in
	Min. Outrigger	4.53m	14ft 10in
Height		1.97m	6ft 6in
Minimum Setup Area		4.65m x 6.20m	15ft 3in x 20ft 4in
Minimum Weight		3,100kg	6,836lb
Platform Capacity		200kg	440lb
Platform Size		1.4m x 0.7m x 1.1m	55in x 28in x 43in
Track Surface Area		1.45m x 0.2m	57in x 8in
Outrigger Plate		0.19m x 0.16m	7in x 6in
Drive Speed		1.3kph	0.8mph
Maximum Setup Incline		27% (15.5°)	-
Gradeability		30% (16.7°)	-
No. Outrigger Positions		2	

FLOOR LOADINGS

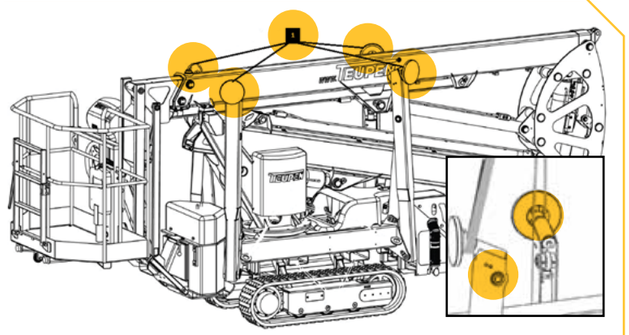
Surface	Metric	Imperial
Max. Load per Outrigger	2,305kgf	5,081lbf
Max. Track Surface Pressure (Soft Ground)	0.4kg/cm²	813lb/ft²
Max. Ground Pressure with Standard Outrigger Pads (0.5x0.5m)	0.92kg/cm²	1,884lb/ft²

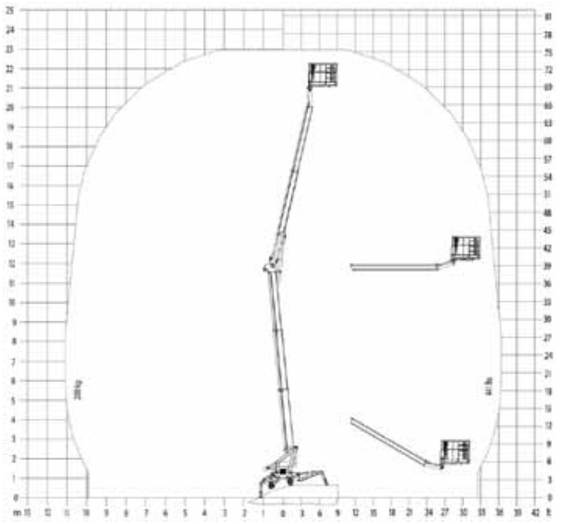
PLUG-IN VOLTAGE

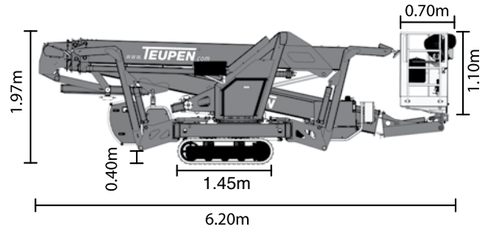
240V, 16Amp
Operates drive and boom functions.

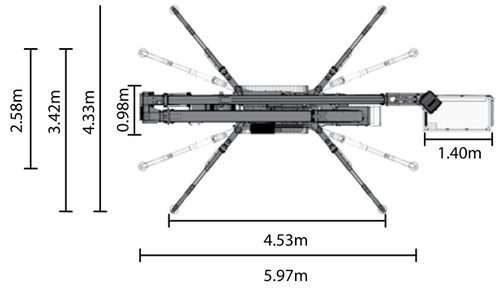
CRANING

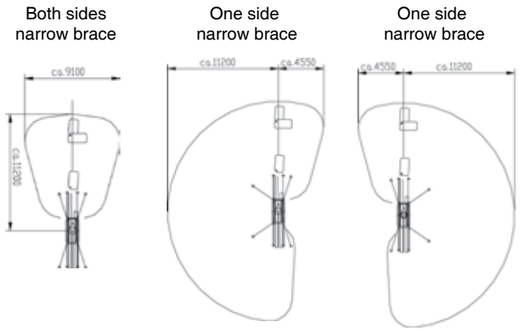
- The aerial access platform must be in the transport position.
- Slings and chains must be the same length and sufficiently long.
- Attach slings or chains with shackles on all four lashing eyes (as shown below).
- Align the arm of the crane so that the lifting accessories are evenly loaded.
- If necessary, protect the paint of the aerial access platform.











Spider FS 290

class 29m-33m

LIGHTEST IN CLASS

NARROWEST IN CLASS



DNK

setup time
9:00 engine

29.00m WORKING HEIGHT

3,500kg WEIGHT

14.00m OUTREACH

6.30m LENGTH

0.79m WIDTH

KEY FEATURES

Variable jacking:	Allows the machine to be set up in a small enclosed area.
Adjustable 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 tyres:	Rubber-free tyres for indoor use.

CASE STUDY

Nature of job:
Cabling in an office block

Reason for choosing this Spider Lift:
Good outreach, wheeled, narrow access

A security company needed to carry out routine checks to cabling in a large office block on lightweight floors with basements underneath.



The FS 290, the narrowest in its class at 0.79m, fitted through the narrow doorway.



The articulated double jib allowed the security company to reach across a set of escalators. With a weight of 3,500kg, the company could carry out their work safely and in compliance with the floor's weight restrictions using the FS 290.





SPECIFICATIONS

Specification		Metric	Imperial
Working Height		29.00m	95ft 2in
Platform Height		27.20m	89ft 4in
Working Outreach		13.00m-14.00m	42ft 8in-45ft 11in
Slew		380°	-
Width	Travelling	0.79m	2ft 7in
	Max. Working	5.40m	17ft 9in
	Min. Working	3.60m	11ft 10in
Length	Travelling	6.30m	20ft 8in
	Max. Outrigger	5.40m	17ft 9in
	Min. Outrigger	3.60m	11ft 10in
Height		1.98m	6ft 6in
Minimum Weight		3,500kg	7,718lb
Platform Capacity		200kg	440lb
Platform Size		1.4m x 0.8m x 1.1m	55in x 31in x 43in
Outrigger Plate		0.32m x 0.25m	13in x 10in
Drive Speed		1.5kph	0.9mph
Gradeability		9% (5°)	-
No. Outrigger Positions		3	-

FLOOR LOADINGS

Surface	Metric	Imperial
Max. Load per Outrigger	1,937kgf	4,271lbf
Front Wheel Surface Pressure	6.64kg/cm²	13,600lb/ft²
Rear Wheel Surface Pressure	8.2kg/cm²	16,795lb/ft²
Max. Ground Pressure with Standard Outrigger Pads (1.0x0.25m)	0.77kg/cm²	1,577lb/ft²

PLUG-IN VOLTAGE

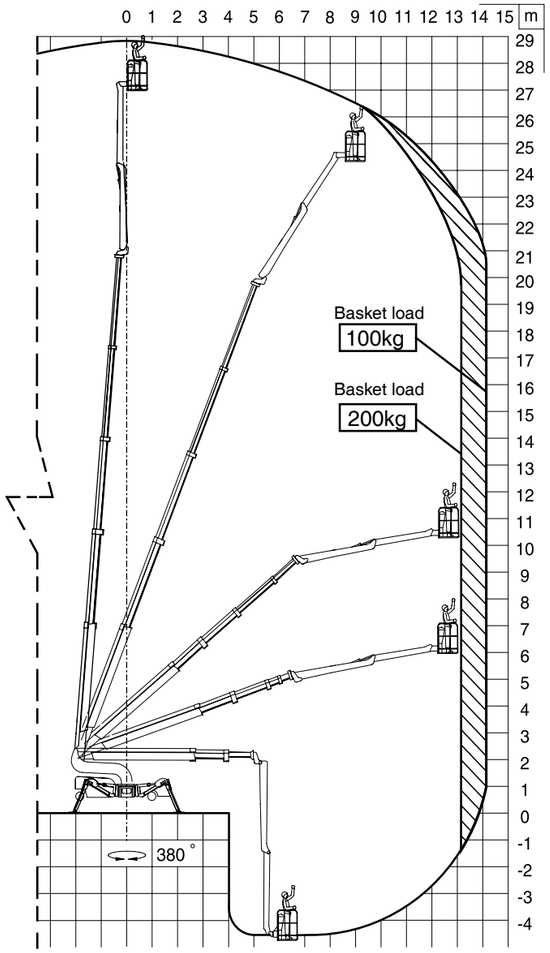
240V, 16Amp
Operates drive and boom functions.

CRANING*

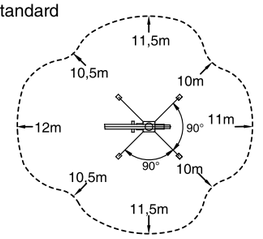
The outriggers need to be placed in the narrow position (not transport position) and the crane should be attached to the fixing points at the outriggers. Length of the lifting chains on the crane should be adjusted to give balance to the Spider, as the centre of gravity is not located in the middle of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



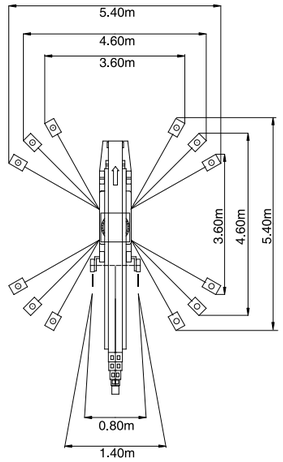
*Craning is the same for all Falcon Spider Lifts in this book.



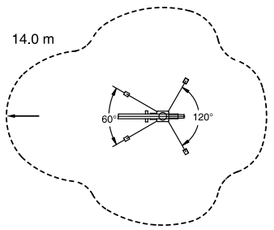
Standard



Basket load = 200kg



Optimized



Basket load = 100kg

Omme Lift 3000 RBD

class 29m-33m

FASTEST IN CLASS



DNK

setup time
5:30 engine 6:00 battery

29.70m WORKING HEIGHT

4,250kg WEIGHT

12.60m OUTREACH

8.00m LENGTH

1.10m WIDTH

KEY FEATURES

Variable jacking:	Allows the machine to be set up in a smaller area.
Remote controls:	Better overview and high flexibility while walking alongside the machine.
Outreach:	As a telescopic boom this machine has an extensive outreach.

CASE STUDY

Nature of job:
Tree surgeon work

Reason for choosing this Spider Lift:
35% gradeability, ability to drive on grass, narrow

The Omme 3000, with its non-marking tracks and gradeability of 35%, is popular with tree surgeons.





This 1.10m Spider was able to track through a narrow pathway into the garden.
With limited space in certain areas, the Omme's flexibility and outrigger positions were important when setting up the Spider.
With its ability to drive on grass, the tree surgeon was able to set up the Omme on the soft split level ground.





SPECIFICATIONS

Specification		Metric	Imperial
Working Height		29.70m	97ft 5in
Platform Height		27.70m	90ft 11in
Working Outreach		12.60m	41ft 4in
Slew		400°	-
Width	Travelling	1.10m	3ft 7in
	Max. Working	5.40m	17ft 9in
	Min. Working	3.75m	3ft 7in
Length	Travelling	8.00m	26ft 3in
	Outrigger	5.40m	17ft 9in
Height		1.99m	6ft 6in
Minimum Weight		4,250kg	9,371lb
Platform Capacity		200kg	440lb
Platform Size		1.25m x 0.8m x 1.1m	49in x 31in x 43in
Track Surface Area		1.5m x 0.25m	59in x 10in
Outrigger Plate		0.44m x 0.28m	17in x 11in
Drive Speed		-	-
Maximum Setup Incline		40% (21.8°)	-
Gradeability		35% (19.3°)	-
No. Outrigger Positions		2	

FLOOR LOADINGS

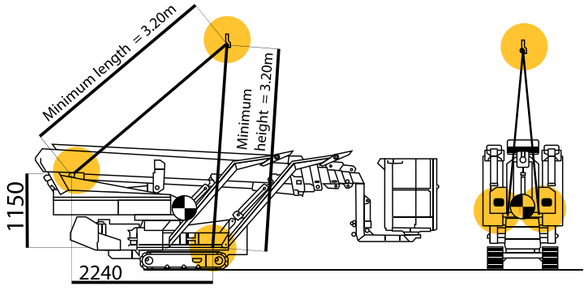
Surface	Metric	Imperial
Max. Load per Outrigger	2,549kgf	5,620lbf
Max. Track Surface Pressure (Soft Ground)	0.56kg/cm²	1,147lb/ft²
Max. Ground Pressure with Standard Outrigger Pads (0.85x0.60m)	0.50kg/cm²	1,024lb/ft²

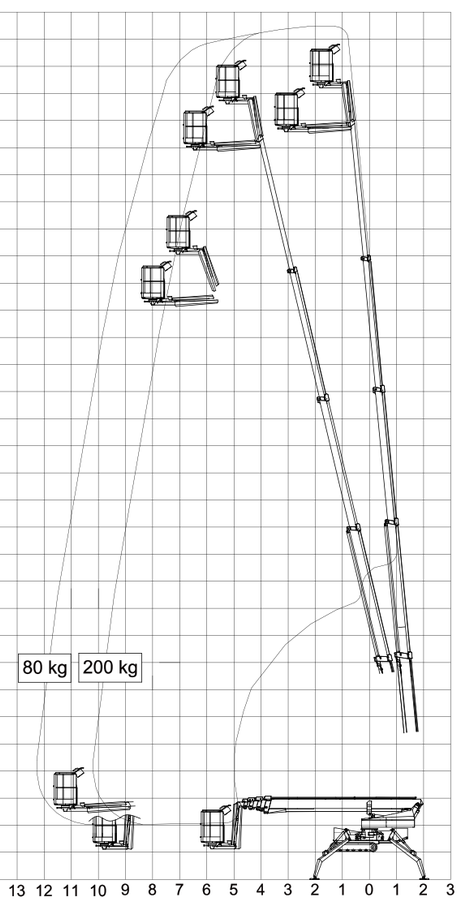
PLUG-IN VOLTAGE

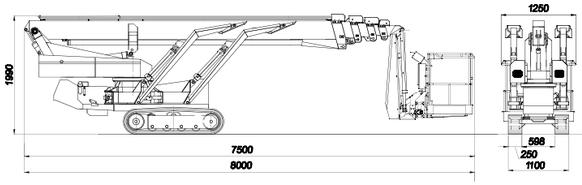
110V or 240V, 16Amp
Charges onboard batteries.

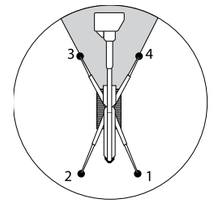
CRANING

It is recommended to use slings of the same length and the minimum length should be 3.2m. It is important to comply, as the machine must always hang at a backwards angle (please see sketch) and the lift must never tip forwards during lifting.

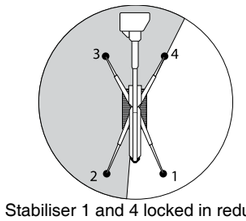




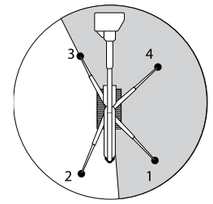




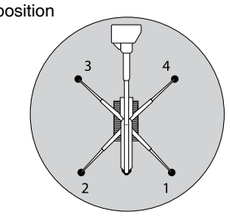
All stabilisers locked in reduced position



Stabiliser 1 and 4 locked in reduced position
Stabiliser 2 and 3 locked in maximum position



Stabiliser 2 and 3 locked in reduced position
Stabiliser 1 and 3 locked in maximum position



All stabilisers locked in maximum position

Omme Lift 3150 RJ

class 28m-33m



setup time
5:30 engine 6:00 battery

29.70m WORKING HEIGHT

3,900kg WEIGHT

12.60m OUTREACH

8.00m LENGTH

1.10m WIDTH

Variable jacking:	Allows the machine to be set up in a smaller area.
Remote controls:	Better overview and high flexibility while walking alongside the machine.
Outreach:	As a telescopic boom this machine has an extensive outreach.

CASE STUDY

Nature of job:
Outdoor maintenance and painting work on a public monument
Reason for choosing this Spider Lift:
Lightweight tracked machine for difficult access on a grassy bank

Our customer had to carry out maintenance and painting work at the Papal Cross, which is located on top of a grassy hill in the Phoneix Park in Dublin city centre. Because the site was a public park, the work had to be completed in one day.



Height for Hire carried out a site survey and provided a specialist operator to drive the Omme 3150 up the slippery grassy bank ensuring minimal damage to the grass, while having sufficient outreach to allow access.



Because Height for Hire sent a specialist operator to install and operate the machine, our customer had minimal set up time and was able to complete the job in the tight timeframe, within budget, causing zero damage to the grass.



SPECIFICATIONS

Specification		Metric	Imperial
Working Height		31.10m	102ft
Platform Height		29.10m	95ft 6in
Working Outreach		12.60m	41ft 4in
Slew		400°	-
Width	Travelling	1.10m	3ft 7in
	Max. Working	5.40m	17ft 9in
	Min. Working	3.75m	3ft 7in
Length	Travelling	8.25m	27ft 1in
	Outrigger	5.40m	17ft 9in
Height		1.99m	6ft 6in
Minimum Weight		4000kg	8818lb
Platform Capacity		200kg	440lb
Platform Size		1.25m x 0.8m x 1.1m	49in x 31in x 43in
Track Surface Area		1.50m x 0.25m	59in x 9in
Outrigger Plate		0.44m x 0.28m	17in x 11in
Drive Speed		-	-
Maximum Setup Incline		40% (21.8°)	-
Gradeability		35% (19.3°)	-
No. Outrigger Positions		2	

FLOOR LOADINGS

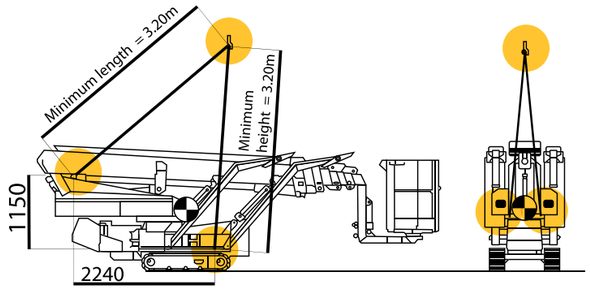
Surface	Metric	Imperial
Max. Load per Outrigger	2,580kgf	5,688lbf
Max. Track Surface Pressure (Soft Ground)	0.57kg/cm²	1,165lb/ft²
Max. Ground Pressure with Standard Outrigger Pads (0.85x0.60m)	0.51kg/cm²	1,045lb/ft²

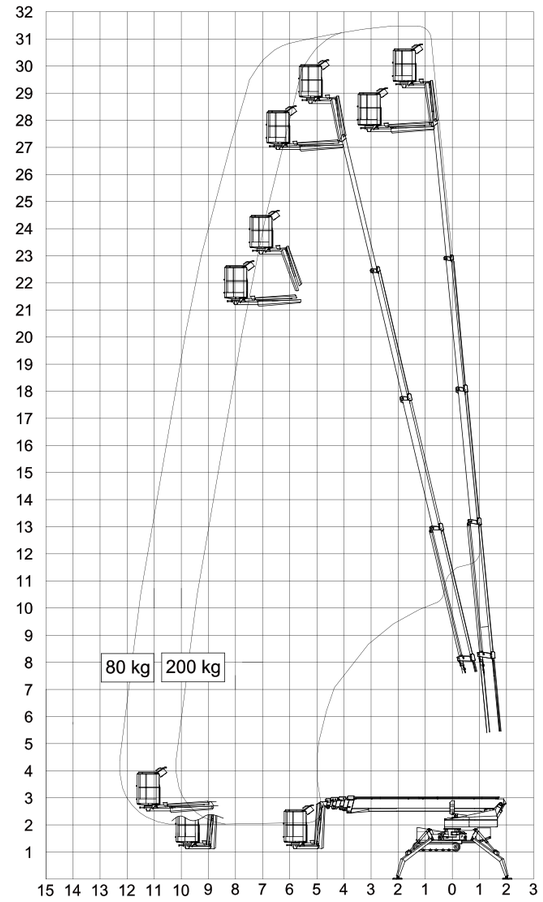
PLUG-IN VOLTAGE

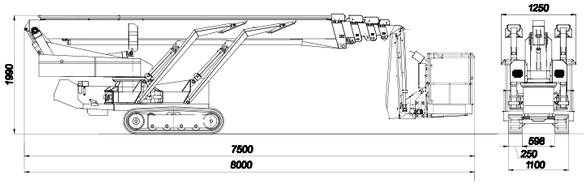
110V or 240V, 16Amp
Charges onboard batteries.

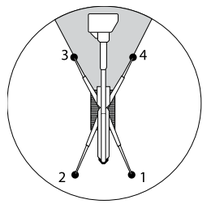
CRANING

It is recommended to use slings of the same length and the minimum length should be 3.2m. It is important to comply, as the machine must always hang at a backwards angle (please see sketch) and the lift must never tip forwards during lifting.

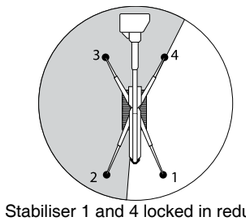




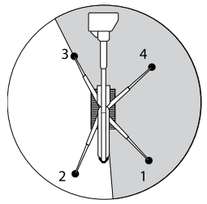




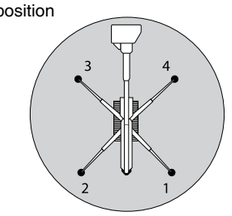
All stabilisers locked in reduced position



Stabiliser 1 and 4 locked in reduced position
Stabiliser 2 and 3 locked in maximum position



Stabiliser 2 and 3 locked in reduced position
Stabiliser 1 and 3 locked in maximum position



All stabilisers locked in maximum position

Spider FS 320Z

class 29m-33m



DNK

setup time
6:30 engine
9:15 battery

32.00m WORKING HEIGHT

5,900kg WEIGHT

16.00m OUTREACH

6.95m LENGTH

1.10m WIDTH

KEY FEATURES

Articulated:	Up and over clearance.
Outreach:	As a telescopic boom this machine has an extensive outreach.
Non-marking tracks:	Rubber-free tracks for indoor use.

Nature of job:
Indoor light fitting

Reason for choosing this Spider Lift:
Good outreach required, tracked, articulated to clear obstacles

Lighting on the roof of an indoor snow centre needed to be repaired and replaced.



The articulated FS 320Z provided access to the roof by going up and over a balcony that ran along one side of the centre.



The floor of the centre was sloped but the tracked Spider was able to negotiate this and its non-marking tracks meant the artificial snow wasn't marked. The extendable jib allowed the operator to easily access those hard-to-reach places up high in the snow centre.



Specification		Metric	Imperial
Working Height		32.00m	105ft
Platform Height		30.20m	99ft 1in
Working Outreach		15.00m -16.00m	49ft 3in - 52ft 6in
Slew		380°	-
Width	Max. Travelling	1.10m	3ft 7in
	Max. Working	4.60m	15ft 1in
Length	Working	6.95m	22ft 10in
	Travelling	4.60m	15ft 1in
Height		2.27m	7ft 5in
Minimum Weight		5,900kg	13,010lb
Platform Capacity		200kg	440lb
Platform Size		1.4m x 0.8m x 1.1m	55in x 31in x 43in
Outrigger Plate		0.32m x 0.25m	13in x 10in
Drive Speed		-	-
Maximum Setup Incline		-	-
Gradeability		37% (20°)	-
No. Outrigger Positions		1	

FLOOR LOADINGS

Surface	Metric	Imperial
Max. Load per Outrigger	2,753kgf	6,070lbf
Max. Track Surface Pressure (Soft Ground)	0.85kg/cm²	1,741lb/ft²
Max. Ground Pressure with Standard Outrigger Pads (1.0x0.25m)	1.10kg/cm²	2,253lb/ft²

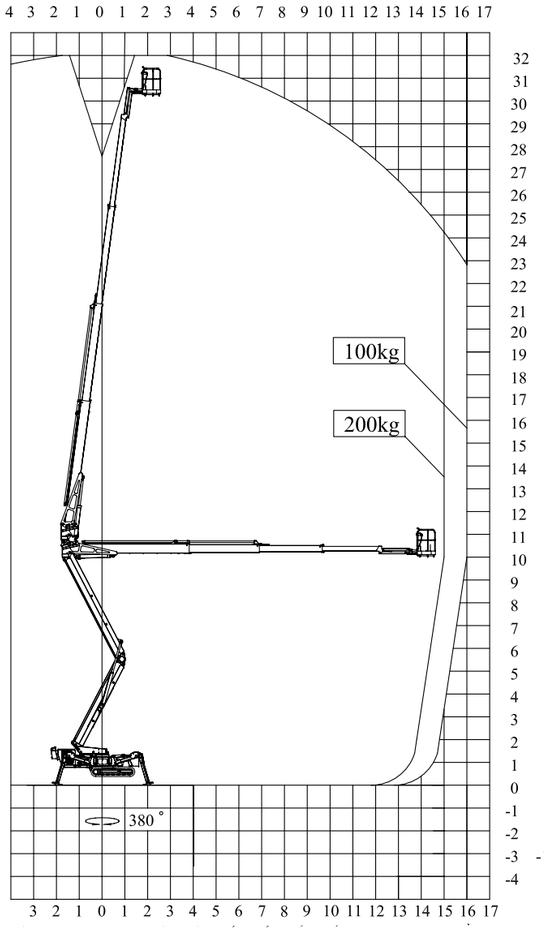
PLUG-IN VOLTAGE

240V, 16Amp
Operates drive and boom functions.

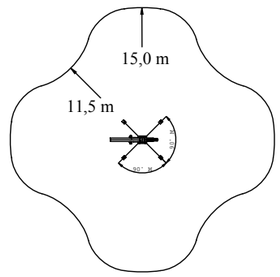
CRANING*

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 points.

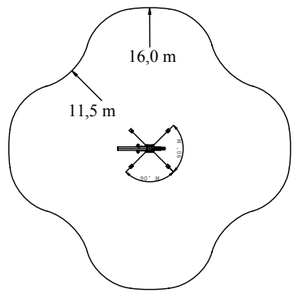




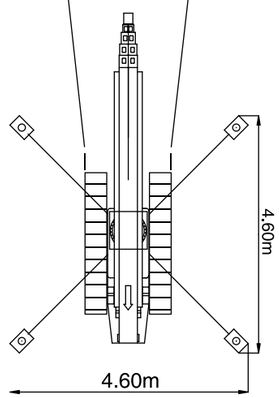
Basket load 200 kg



Basket load 100 kg



Wide 1.50 m
Narrow 1.10 m



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

Spider FS 330Z

class 29m-33m



DNK

setup time
6:30 engine 9:15 battery

33.00m WORKING HEIGHT

5,900kg WEIGHT

19.00m OUTREACH

7.40m LENGTH

1.10m WIDTH

KEY FEATURES

Articulated:	Up and over clearance.
Outreach:	As a telescopic boom this machine has an extensive outreach.
Non-marking tracks:	Rubber-free tracks for indoor use.

CASE STUDY

Nature of job:
Repairing roof lights
Reason for choosing this Spider Lift:
Narrow, articulated, extendable jib

The Spider FS 330Z was used in one of the Easi UpLifts workshops to repair roof lights.



Space was limited in the workshop and the Spider had to be set up between other access machines that were parked indoors. The operator chose the articulated Spider to get up and over a balcony and other obstacles that were in the way.



The jib on the Spider Lift provided additional reach for the operator when working on the roof lights.



SPECIFICATIONS

Specification		Metric	Imperial
Working Height		33.00m	108ft 3in
Platform Height		31.20m	102ft 4in
Working Outreach		16.00m-19.00m	52ft 6in-62ft 4in
Slew		375°	-
Width	Travelling	1.10m	3ft 7in
	Max. Working	5.40m	17ft 9in
	Min. Working	3.60m	11ft 10in
Length	Travelling	7.40m	24ft 3in
	Max. Outrigger	5.40m	17ft 9in
	Min. Outrigger	3.60m	11ft 10in
Height		2.27m	7ft 5in
Minimum Weight		5,900kg	13,007lb
Platform Capacity		200kg	440lb
Platform Size		1.4m x 0.8m x 1.1m	55in x 31in x 43in
Outrigger Plate		0.32m x 0.25m	13in x 10in
Drive Speed		-	-
Maximum Setup Incline		-	-
Gradeability		37% (20°)	-
No. Outrigger Positions		3	

FLOOR LOADINGS

Surface	Metric	Imperial
Max. Load per Outrigger	2,753kgf	6,070lbf
Max. Track Surface Pressure (Soft Ground)	0.85kg/cm²	1,741b/ft²
Max. Ground Pressure with Standard Outrigger Pads (1.0x0.25m)	1.10kg/cm²	2,253lb/ft²

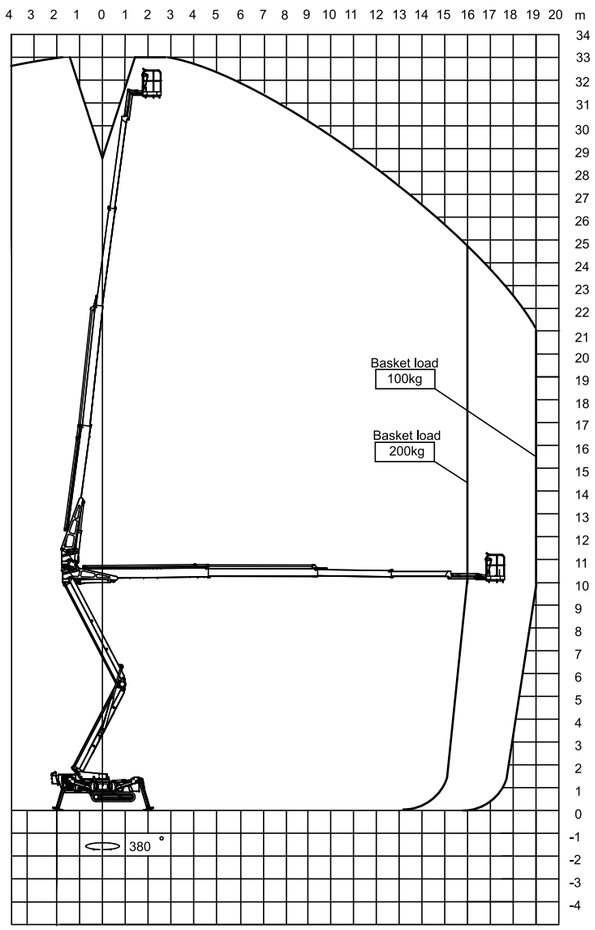
PLUG-IN VOLTAGE

240V, 16Amp
Operates drive and boom functions.

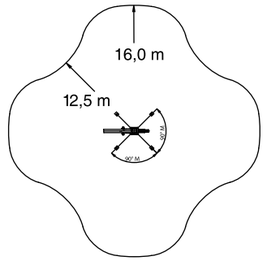
CRANING*

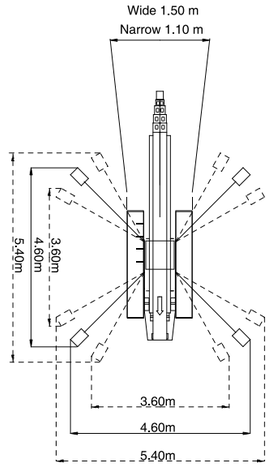
The outriggers need to be placed in the narrow position (not transport position) and the crane should be attached to the fixing points at the outriggers. Length of the lifting chains on the crane should be adjusted to give balance to the Spider, as the centre of gravity is not located in the middle of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



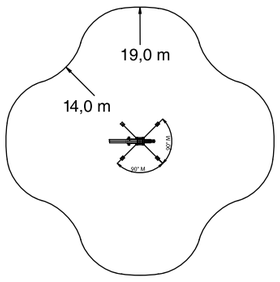


Basket load 200 kg





Basket load 100 kg



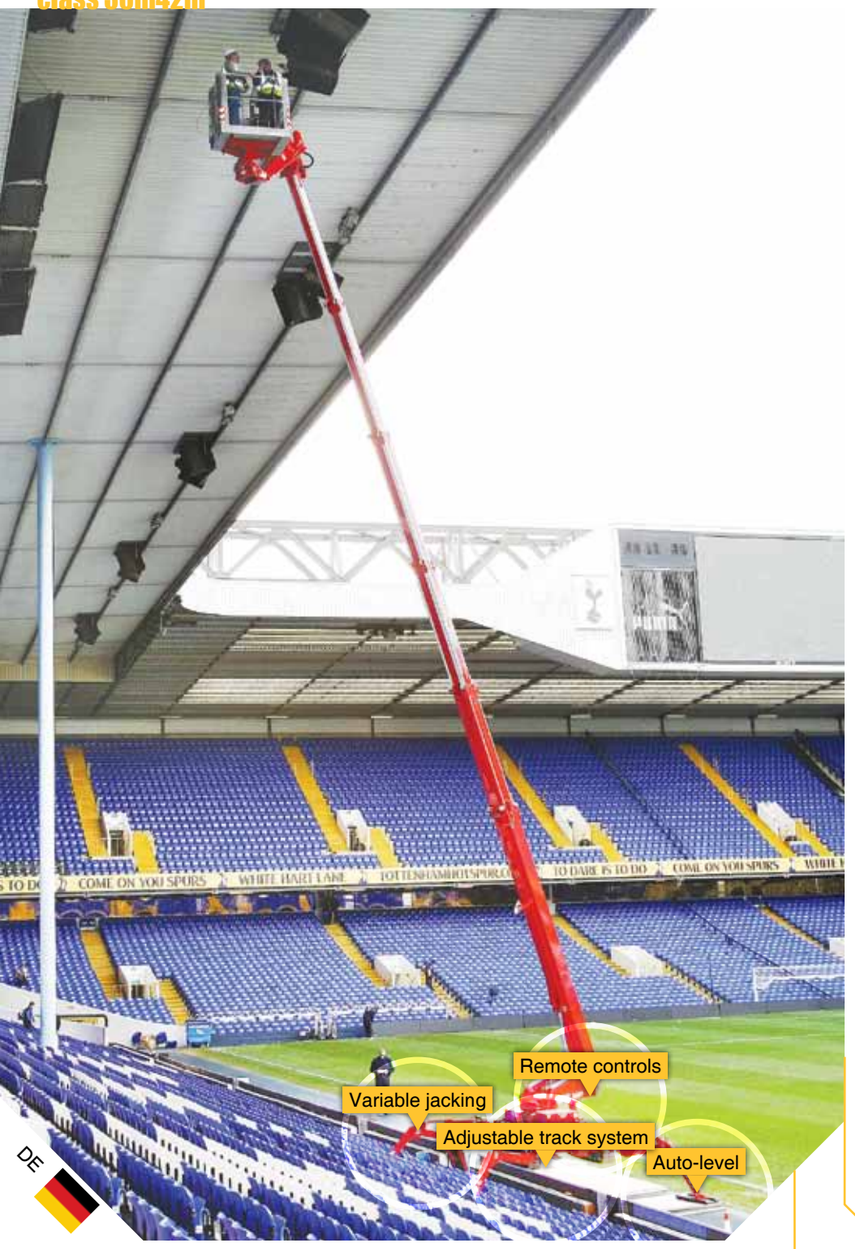
*Craning is the same for all Falcon Spider Lifts in this book.

Teupen Leo 36T

class 36m42m

FASTEST IN CLASS

LIGHTEST IN CLASS



setup time
8:30 engine 10:30 battery

35.50m	WORKING HEIGHT
4,850kg	WEIGHT
15.60m	OUTREACH
8.18m	LENGTH
1.58m	WIDTH

KEY FEATURES

Variable jacking:	Allows the machine to be set up in a small enclosed area.
Remote controls:	Better overview and high flexibility while walking alongside the machine.
Auto-level:	Allows the machine to level itself on any terrain.
Adjustable track system:	Allows narrowing and lowering for passing entrance or widening the footprint and giving additional ground clearance.

CASE STUDY

Nature of job:
Repairing audio system in a football stadium
Reason for choosing this Spider Lift:
Automatic levelling, ability to negotiate steps, easy to operate

The Teupen 36T Spider Lift is used regularly by a maintenance company responsible for the audio system in a football stadium in London. The Teupen has to climb a narrow set of steps outside the stadium.

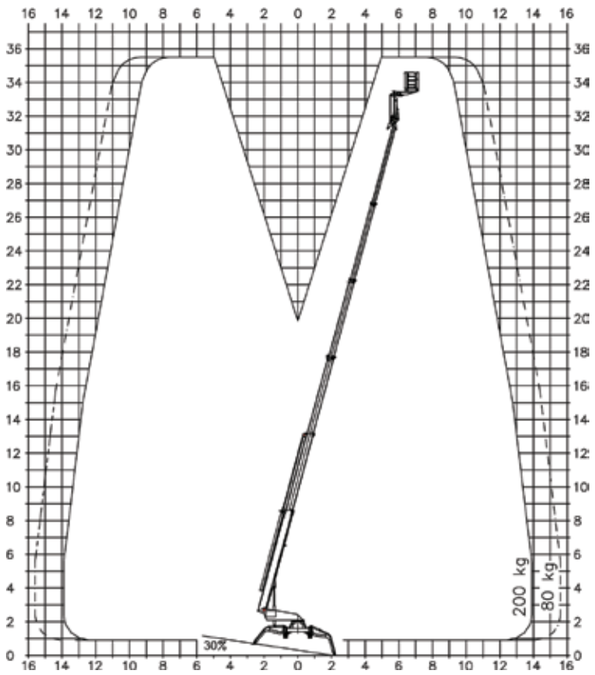


The outriggers and automatic levelling system allow the operator to set the Spider up on different levels. This is needed as the Spider is being set up on the steps of the grandstand. The easy-to-use controls with colour coded functions also make the Teupen Leo 36T very user-friendly.



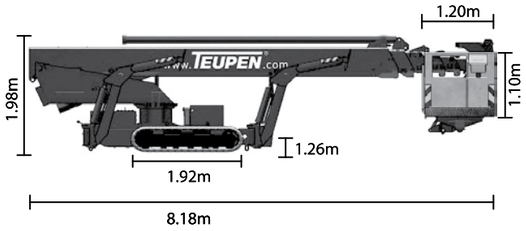
SPECIFICATIONS

Specification		Metric	Imperial
Working Height		35.50m	116ft 6in
Platform Height		33.70m	110ft 7in
Working Outreach		13.90m-15.60m	45ft 7in-51ft 2in
Slew		450°	-
Width	Travelling	1.58m	5ft 2in
	Max. Working	4.75m	15ft 7in
	Min. Working	3.95m	13ft
Length	Travelling	8.18m	26ft 10in
	Max. Outrigger	6.64m	21ft 9in
	Min. Outrigger	5.30m	17ft 5in
Height		1.98m	6ft 6in
Minimum Weight		4,850kg	10,694lb
Platform Capacity		200kg	440lb
Platform Size		1.2m x 0.8m x 1.1m	47in x 31in x 43in
Track Surface Area		1.92m x 0.25m	76in x 10in
Outrigger Plate		0.31m x 0.22m	12in x 9in
Drive Speed		3kph	1.9mph
Maximum Setup Incline		30% (16.7°)	-
Gradeability		30% (16.7°)	-
No. Outrigger Positions		2	



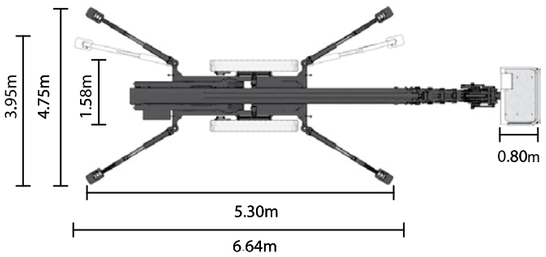
FLOOR LOADINGS

Surface	Metric	Imperial
Max. Load per Outrigger	3,569kgf	7,868lbf
Max. Track Surface Pressure (Soft Ground)	0.37kg/cm²	758lb/ft²
Max. Ground Pressure with Standard Outrigger Pads (0.84x0.30m)	1.42kg/cm²	2,908lb/ft²



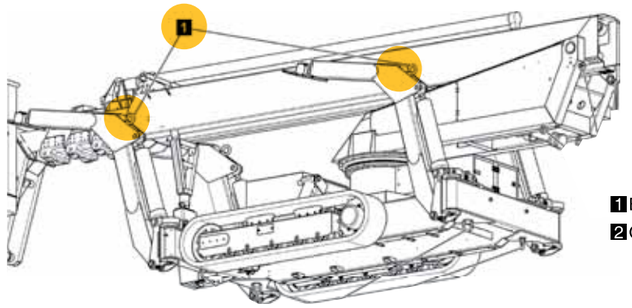
PLUG-IN VOLTAGE

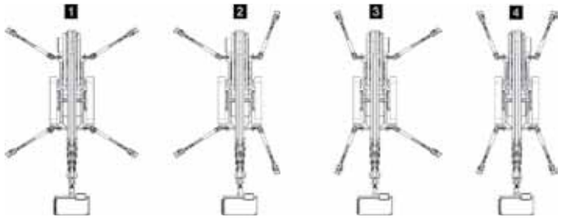
240V, 16Amp
Operates drive and boom functions.



CRANING

- Put the machine in transport position.
- Switch the machine off.
- Attach slings or chains to all four support pads with shackles as shown to the right.
- Align the boom of the crane so that the lifting accessories are evenly loaded.
- If necessary, protect the paint of the aerial access platform with suitable underlay materials.



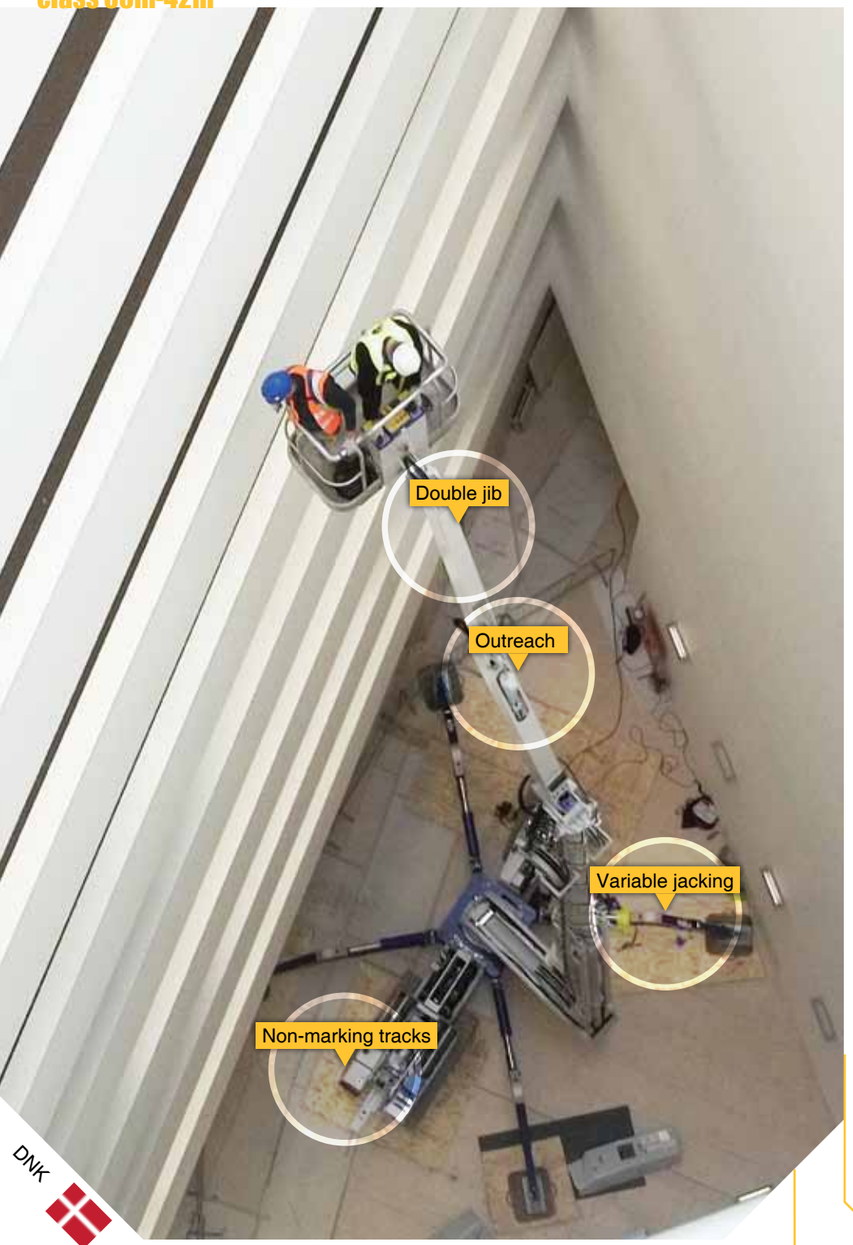


1 Both sides wide (working range 360°)
2 One-side wide (working range 220°)
3 One-side wide (working range 220°)
4 Both sides narrow (working range approx. 20°) (only possible with Leo 36T

Spider FS 420C

class 36m-42m

NARROWEST IN CLASS



DNK

setup time
9:30 engine 11:15 battery

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

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.

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, Height for Hire 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.



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/cm²	2,662lb/ft²
Max. Ground Pressure with Standard Outrigger Pads (1.0x0.26m)	1.45kg/cm²	2,949lb/ft²

PLUG-IN VOLTAGE

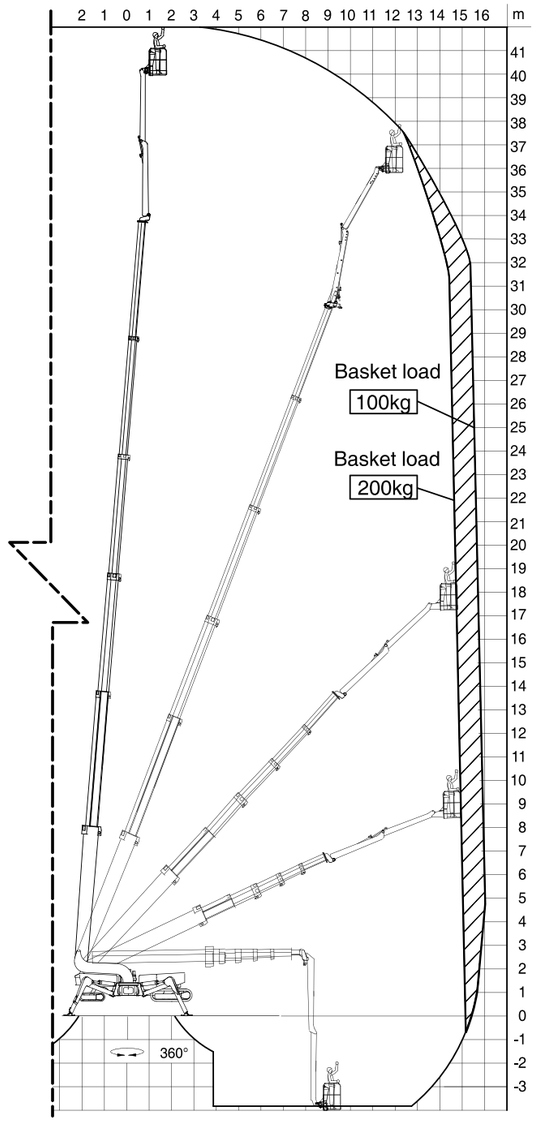
400V, 32 Amp or 240V, 16 Amp
3-phase 400V for 240V for controls.

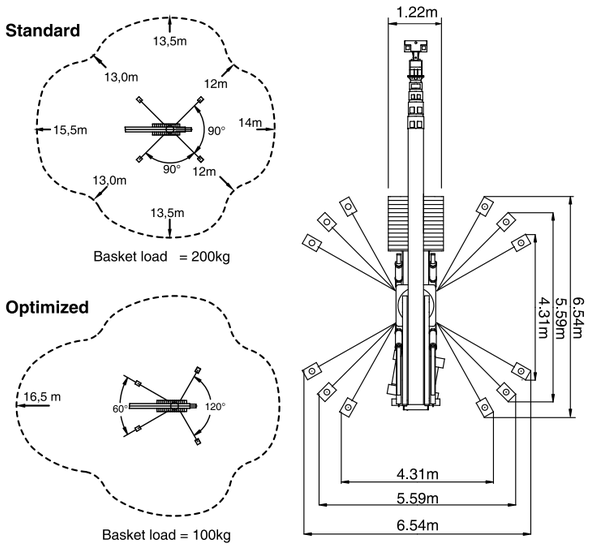
CRANING*

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 points.



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





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