The guide to LOW-LEVEL POWERED ACCESS

Nano SP Plus | Nano SP | Nano SP Zero | Nano | Power Tower | Ecolift | Pecolift

POWER TOWERS
Low Level Powered Access

CONTENTS

INTRODUCTION TO
LOW-LEVEL POWERED ACCESS

1862, A revolution in low-level access!

What is Low-level Access?

Safety has come a long way; the flat rung stepladder was patented by John H Balsley in 1862!

The term low-level access, now describes an entirely new specialist sector within the access industry. The term is generally used to denote operating in environments up to a 4.5-5m working height internally, on flat, level surfaces, using manual or powered access equipment. This could be using basic 'A' Frame step ladders or a fully self-propelled powered access platform.

This guide covers specifically the powered access products available in this sector, divided into two types: **Push-around** (manually manoeuvred) and **Self-propelled.**

WHY USE
LOW-LEVEL POWERED ACCESS?

In the UK before 2005, low-level access meant traditional steps, ladders and mobile scaffolds. That changed in 2005 when the HSE introduced the Work at Height Regulations, restricting the use of traditional forms of access. The market was ready for low-cost, low-level powered access.

UK Low-level Powered Access platform population 2005 - 2013

THE LOW-LEVEL POWERED ACCESS EVOLUTION

2005

Mid 2005
The first push-around, low-level, access platform was introduced from China, with a working height of up to 3.65m.

2006

January 2007
The Power Tower was introduced with a working height of 5.1m and a larger working platform area.

2007

January 2009
Power Tower Nano push-around launched. Additional products introduced from China.

2009

November 2009
Power Tower Nano SP launched.

January 2011
Power Tower Nano SP Zero and Nano SP Plus launched.

2011

Mid 2011
Power Towers introduce their product range to the Middle East

January 2013
Pecolift launched; a brand new concept. The first 'non-powered powered access platform.'

2013

August 2014
Ecolift launched. Harnessing the same concept as Pecolift, Ecolift gives a working height of 4.2m.

2014

WHY CHOOSE
LOW-LEVEL POWERED ACCESS?

Q: Why choose low-level Powered Access?

A: It is easier, simpler, quicker, more efficient and safer to use than manual ladders, steps, podiums or small scaffold towers.

Q: Why choose Power Towers?

A: Power Towers design and manufacture unparalleled, uncompromising, high specification, high quality low-level access machines. Power Towers' products provide a safe and efficient working platform. Whatever your access requirement, Power Towers has a machine for every job!

Whatever your low-level access requirement...

1. Power Towers Limited designs and manufactures its range of low-level powered access products 100% in the UK. Constant product evolution and development ensures users benefit from the latest technologies.

2. The impressive range currently comprises seven machines: Four push around machines, the Power Tower, the Nano and the revolutionary Pecolift and Ecolift, and self-propelled machines with the Nano SP range.

3. The low-weight and highly manoeuvrable Nano SPs are typically used for installing runs of trunking, cable trays, cable runs, pipe work, ducting, plastering, painting and cleaning, where driving when elevated makes the job

Power Towers' manufacturing facility

quicker. The push around Power Tower and Nano are used for dry lining and spot installation work such as large plant, air con, fans, and lighting fixtures. The Pecolift offers a power and hydraulic oil free platform, and by winding the patented lift mechanism elevates the user to any working height up to 3.5m. Pecolift is ideal for spot installation, final fitting, rapid retail refit work especially in very confined environments. Newly introduced to our range is Ecolift. Offering the same technology and benefits as Pecolift, but with a working height of 4.2m.

4. Power Towers' products are simple, safe, easy and efficient to use. They dramatically reduce working hours when compared with mechanical manual alternatives and represent excellent value for money. All Power Towers' products comply with the relevant European Machineries Directives and are CE marked to EN280. They are all third party approved by SGS International.

5. With the efficiencies gained by utilising class leading platform sizes combined with small working footprints, the Power Towers' range is now specified by many of the leading construction and hire companies in the UK, Europe and the Middle East.

6. This guide aims to introduce you to low-level access and the Power Towers product range. If you require further information please visit our website at **powertowers.com** and **pecolift.com**.

PUSH-AROUND MACHINES

Easier and more productive than manual access: the user simply steps into the fully guarded platform and presses a button or turn a handle. No need to erect and dismantle a scaffold tower or climb up the podium or platform steps. Position the platform height exactly where you want it.

Features and Benefits

- Flexibility to work at the correct height.
- Handrail protection already in place from the ground up.
- Light weight: ideal for raised access 'computer' flooring e.g. Kingspan®.
- Fits through standard single doorways and into passenger lifts.
- Transported in medium sized van.
- Improved productivity: up to 4 times faster when compared to traditional forms of access such as scaffold towers.
- Up to 300 lifts per charge; unlimited on Pecolift.
- Automatic braked wheels on elevation.
- CE marked and conforms to EN280 and European Machineries Directives.

Applications

Push-around machines such as the **Power Tower** and **Power Tower Nano** are used where the application calls for access up to 5.1m. The **Power Tower's** large platform is favoured by dry-liners, pipework and ducting contractors. The **Nano** is usually the preferred choice where the application requires a smaller footprint, yet large platform area.

Pecolift has the smallest working footprint for very congested working areas and uses no batteries or power, simply a patented lift mechanism. **Ecolift** retains the **Pecolift** concept, but with a 4.2m working height.

Typical Users

Construction

- Single and multi-storey projects.
- Mechanical and Electrical, heating, ventilation, air conditioning.
- Dry-lining, glazing.
- Fit out.
- Shop-fitting.
- Numerous finishing trades, including painting & cleaning.
- Pecolift and Ecolift can also be used in hazardous zone 1 and 21 areas in oil, gas and chemical plants and both are ATEX approved for zones 1 and 21.

Maintenance & Refurbishment

- Cleaning.
- Painting.
- Mechanical and Electrical, Offices, Schools, Hospitals and industrial maintenance.
- Retail refit and display.

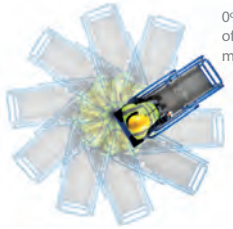
The Nano

Power Tower's Pecolift in use for the 'fit-out' of the News International offices in Central London, UK.

SELF-PROPELLED MACHINES

Low-level, light weight, self-propelled machines like the Nano SP range offer an even more productive alternative to push-arounds in the right application. Where the user has many repositions through the working day, or regular movement when elevated, then self-propelled offers the convenience of not having to descend to move or not having to step out of the platform to move.

Features and Benefits



0º Turning circle offers superb manoeuvrability.

- Nano SP (self-propelled) range of models can be driven (no need to push) even at full height.
- Offer a selection of cantilever decks for increased outreach and platform size.
- Very manoeuvrable in congested areas. Up to 20Km range from single charge (or combination approximately 8Km and 300 lift cycles).
- Lightweight & low ground pressure: (440-550kg) ideal for raised access computer flooring e.g. 'Kingspan®' or delicate flooring.
- Improved productivity: up to 12 times faster compared with traditional forms of access such as scaffold towers, podiums or step ladders.
- Highly manoeuvrable due to intuitive, sensitive micro joystick controls.

  CE marked and conforms to EN280 and relevant European machinery directives.

Applications

If cleaning, painting, installing electrical cabling or similar, self-propelled can save many hours per week. For convenience the Nano SP range offers the combination of a very small footprint for manoeuvring in very congested work spaces and a large

work platform area when utilizing the cantilever deck options (SP and SP Plus). The cantilever deck options also give the user the ability to work over obstacles. The low weight of the Nano SP range also allows use on raised access computer flooring (Kingspan®) and enables a number of machines to be used together on multi-storey applications where overall floor loading has to be considered.

Typical Users

Construction

- Single and multi-storey projects.
- Mechanical and Electrical, heating and ventilation.
- Dry-lining, glazing.
- Fit out.
- Shop-fitting.
- Numerous finishing trades.

Maintenance

- Volume cleaning.
- Volume painting.
- Mechanical and Electrical.
- Offices, Schools, Hospitals and other
- facilities and industrial maintenance.
- Retail refit and display.
- Office developments.

Power Tower's Nano SP

Power Tower's Nano SP. Infinite height positioning for ultimate working efficiency. Cantilever platform ensures maximum reach.

POWER TOWER

POWER TOWER, THE POWERED SCAFFOLD TOWER.

With a large work platform (1520mm x 750mm), the Power Tower gives the user more room to work and more room for tools and equipment, in fact more than 50% larger than its nearest competitor

The Power Tower requires less moves to cover the same area for many applications. and at only 780mm wide will still pass comfortably through a standard single doorway.

The heavy duty Power Tower really is the cost effective, safe and efficient alternative to large podiums or small scaffold towers.

Typical applications and users: For users who want larger platform size for themselves, tools and equipment. Typically dry-lining, pipe and duct work, air-conditioning, general M & E contractors, shop-fitters, retail refit etc.

- 3.1m platform height, 5.1m working height
- 250kg safe working load (1 Person)
- Compact - Only 0.78m wide, passes easily through standard doorways
- Large 1.52m x 0.75m platform size
- Only 0.78 x 1.6m working footprint
- Easy access gate

SPECIFICATIONS

OPERATING DIMENSIONS

Maximum working height:	5.10m
Maximum platform height:	3.10m
Platform dimensions:	1.52m x 0.75m
Working foot print:	1.60m x 0.78m
Safe working load:	250kg

CLOSED DIMENSIONS

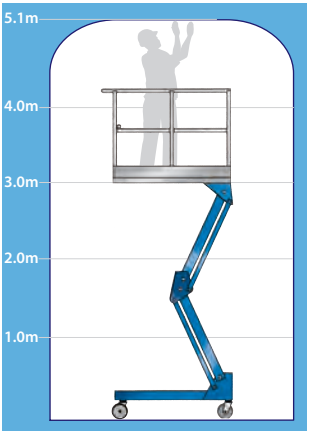
Length:	1.60m
Width:	0.78m
Height:	1.85m
Weight:	342kg

POWER OPTIONS

Battery:	12V c/w automatic charger.
Mains:	110V or 230V.
Controls:	Simple push button basket controls.
Construction:	Heavy duty fabricated steel superstructure, stainless steel bushed pivots, tough powder coated finish.
Safety:	CE marked, complies fully with EN280 and relevant European machinery directives. Full fail-safe hydraulics, automatic locking wheels.
Options:	Tilt alarm c/w auto cut-out. Narrow basket for suspended ceiling grid access. Pipe Carrying kit (max 2" pipe). Tool tray. Foam buffer kit.

SAFETY FEATURES

- Fail-safe hydraulic circuit complete with check valve on lift cylinder
- Improved heavy-duty Auto-Lok wheels on elevation provide secure base
- Emergency descent from ground level
- Audible ascent and descent drive alarm



nano

POWER TOWER NANO, THE ULTIMATE IN LOW-LEVEL POWERED ACCESS.

Push into position, step into the platform, press a button. **Simple. Safe. Efficient.**

At Power Towers we believe safety is paramount. In line with the Power Tower range, the Nano has Auto-Lok wheels on elevation, as standard.

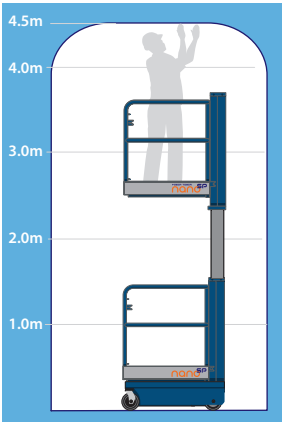
With a 2.5m platform height and 4.5m working height, the heavy-duty Nano maximises platform size whilst minimising working footprint, giving the operator more room to work in confined areas.

Typical applications and users: Nano maximizes platform size within a small footprint, ideal for users where the workspace is congested; second fix M & E work, busy retail refitting, simple spot work, new construction or maintenance.

- 4.5m working height
- Low platform entry height only 360mm
- Only 1.19m x 0.75m working footprint
- Passes easily through single doorways
- Large 1.0m x 0.73m platform size, gives the user more room to work
- Heavy duty Auto-Lok wheels on elevation
- Heavy duty Ultra-Glide low friction lifting mast provides excellent platform rigidity

Largest platform size in class; small working footprint.

SPECIFICATIONS



OPERATING DIMENSIONS

Maximum working height:	4.50m
Maximum platform height:	2.50m
Closed platform height:	0.36m
Platform dimensions:	1.00m x 0.73m
Working footprint:	1.19m x 0.75m
Safe working load:	200kg (1 person plus tools)

CLOSED DIMENSIONS

Length:	1.195m
Width:	0.75m
Height:	1.56m
Weight:	285kg

Power:	12V D.C. Battery.
Controls:	Simple push button heavy duty pendant controls for ground and platform.
Construction:	Heavy duty fabricated steel superstructure and 2 stage mast with *Ultra-Glide* technology. Tough, powder coated finish.
Safety:	Full fail-safe hydraulic circuit. Auto-Lok wheels.
Options:	110V or 230V mains power. Tilt alarm with auto cut-out. Protective storage cover.

SAFETY FEATURES

- Fail-safe hydraulic circuit complete with check valve on lift cylinder
- Improved heavy-duty Auto-Lok wheels on elevation, provide secure base
- Emergency descent from ground level
- Audible ascent and descent drive alarm

POWER TOWER NANO SP ZERO. A SIMPLE SELF-PROPELLED PLATFORM THAT'S AS EASY TO USE AS A PUSH AROUND.

At 1.2m x 0.75m x 1.59m and only 456kg, it will fit in standard lifts, can be transported in most small vans and be driven on delicate flooring. The SP Zero can be used indoors and outdoors and is wind rated to 12.5m/s.

With large 1.00mm x 0.73m basket and low 360mm entrance height the SP Zero really is user friendly. Simple, intuitive joystick controls enable the user to smoothly manoeuvre the SP Zero. The SP Zero has a drive capacity of around 12km.

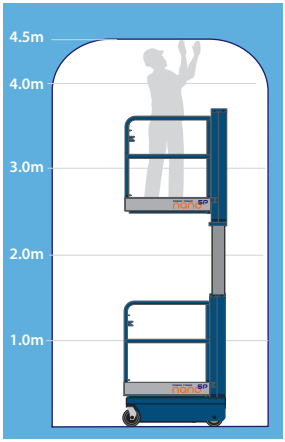
Typical Applications and users: Users who want an easier, faster and more efficient way of working than using a push–around. Contractors who are on the move regularly; electrical cable installation, painting, cleaning, rapid retail refit work especially in very confined environments.

- Fully self-propelled when elevated
- Ultra compact, only 1.2m x 0.75m footprint
- 4.5m working height rated for indoor and outdoor use
- Only 456kg easily transported, can be used on delicate floors
- Simple intuitive single joystick controls

SPECIFICATIONS

OPERATING DIMENSIONS

Maximum working height:	4.50m
Maximum platform height:	2.50m
Closed platform height:	0.36m
Basket dimensions:	1.00m x 0.73m
Working footprint:	1.19m x 0.75m
Safe working load:	200kg (1 person plus tools)
Maximum manual force:	200N
Max. gradient for operation:	1.8°
Max. wind force:	12.5 m/sec
Maximum weight Inc payload:	456kg +200kg = 656kg
Maximum castor point load	200kg (2.00 kN)
Drive speed max.	4.6KpH
Drive speed slow	0.7KpH



CLOSED DIMENSIONS

Length:	1.20m
Width:	0.75m
Height:	1.59m
Weight:	456kg

POWER SOURCE/DRIVE

Standard 24v DC Electric Motor
24V D.C. Motor/Gearbox Drive

BATTERY CHARGER SPECIFICATION

Input Voltage:	90-265V AC
Frequency:	45-65 Hz
Output:	24VDC, 7A

SAFETY FEATURES

- Fail-safe hydraulic circuit complete with check valve on lift cylinder
- Built-in pothole protection
- Tilt sensor complete with alarm and cut-out
- Automatic basket overload cut-out
- Automatic elevated drive-speed reduction
- Emergency descent from basket and ground
- Audible ascent and descent drive alarm
- Amber flashing beacon
- Automatic dynamic parking brake

POWER TOWER NANO SP

THE ULTIMATE IN SELF-PROPELLED, LOW-WEIGHT, LOW-LEVEL ACCESS.

Power Tower Nano SP provides the user with a tiny working footprint of 1.2m x 0.75m (closed) and a large platform size of 1.5m x 0.72m (deck extended).

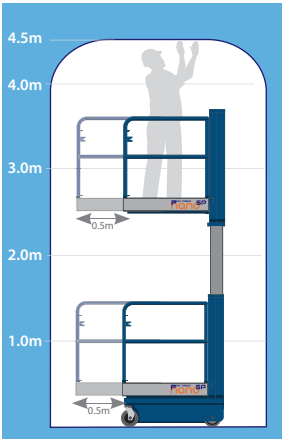
Typical applications and users:
Users minimum footprint, maximum manoeuvrability with the advantage of a cantilever deck for outreach over obstacles and/or extra platform size. M & E contractors, especially electrical installation work, pipe work, cleaning, painting, retail refit, retail and facilities maintenance where outreach is required.

- Fully self-propelled, even when fully elevated
- Simple intuitive, single joystick zero turning radius
- Only 478kg weight, able to work on raised access flooring (Kingspan® approved)
- Can be transported by standard 500kg tail-lift vehicles
- Ultra compact only 750mm x 1200mm footprint
- Large 1500mm x 700mm platform size (cantilever extended)
- 500mm cantilever deck for outreach over obstructions
- Automatic pothole protection

SPECIFICATIONS

OPERATING DIMENSIONS

Maximum working height:	4.50m
Maximum platform height:	2.50m
Closed Platform Height:	0.39m
Outreach with cantilever deck to cage edge	0.5m
Basket dimensions:	1.00m x 0.73m
Basket dimensions, inc cantilever:	1.50m X 0.72m
Working footprint:	1.19m x 0.75m
Safe working load:	200kg (1 person plus tools)
Maximum manual force:	200 N
Max. gradient for operation:	1.8°
Max. wind force:	12.5m/sec
Maximum weight inc payload:	478kg + 200kg = 678kg
Maximum castor point load	210kg (2.10 kN)
Drive speed max.	4.6KpH
Drive speed slow	0.7KpH



CLOSED DIMENSIONS

Length:	1.20m
Width:	0.75m
Height:	1.59m
Weight:	478kg

POWER SOURCE/DRIVE

Standard 24V DC Electric Motor
24V D.C. Motor/Gearbox Drive

BATTERY CHARGER SPECIFICATION

Input Voltage:	90-265V AC
Frequency:	45-65 Hz
Output:	24V DC, 7A

SAFETY FEATURES

- Fail-safe hydraulic circuit complete with check valve on lift cylinder
- Automatic pothole protection on elevation
- Tilt sensor complete with alarm and cut-out
- Automatic basket load sensing, complete with alarm and cut-out
- Automatic elevated drive-speed reduction
- Emergency descent from basket and ground
- Automatic dynamic parking brake

THE **POWER TOWER NANO SP PLUS** - SIMPLY THE MOST VERSATILE LOW-LEVEL SELF-PROPELLED PLATFORM.

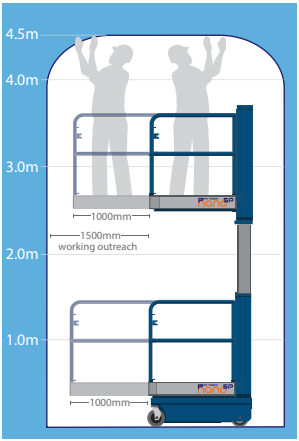
With a 4.5m working height the SP Plus has a full 1.0m cantilever deck and yet maintains a compact 1.2m x 0.75m footprint. In addition a large 2.0m x 0.73m platform area to work from and 1.5m working outreach with cantilever extended.

The SP Plus has simple, intuitive joystick controls and at only 540kg is able to work on raised access and other delicate flooring and be transported by small a van or truck. The SP Plus is ideal for those applications where extra outreach from a very small footprint is required; retail maintenance, over machinery and numerous other restricted access applications.

Rated for Indoor and Outdoor use

- Large 2.0m x 0.73m platform size (cantilever extended)
- Fully self-propelled when elevated
- 4.5m working height
- 1.0m cantilever deck: 1.5m working outreach
- Ultra-compact, only 1.2m x 0.75m footprint
- Simple intuitive joystick for all functions
- Only 540kg, able to work on raised access flooring (Kingspan® approved)

SPECIFICATIONS



OPERATING DIMENSIONS

Maximum working height:	4.50m
Maximum platform height:	2.50m
Closed platform height:	0.39m
Outreach with cantilever, deck to cage edge	1.00m
Working outreach:	1.50m
Basket dimensions:	1.00m x 0.73m
Basket dimensions inc cantilever:	2.00m X 0.72m
Working footprint:	1.20m x 0.75m
Safe working load:	200kg - main platform, 120kg - cantilever deck.
Maximum manual force:	200 N
Max. gradient for operation:	1.8°
Max. wind force:	12.5m/sec
Maximum weight, Inc payload:	540kg+200kg = 740kg
Maximum castor point load	210kg (2.10 kN)
Drive speed max.	4.6KpH
Drive speed slow	0.7KpH

CLOSED DIMENSIONS

Length:	1.20m
Width:	0.75m
Height:	1.59m
Weight:	540kg

POWER SOURCE/DRIVE

Standard 24V DC Electric Motor. 24V D.C. Motor/Gearbox drive

BATTERY CHARGER

Input Voltage:	90-265V AC
Frequency:	45-65Hz
Output:	24V DC, 8A

SAFETY FEATURES

- Automatic pothole protection
- Tilt sensor complete with alarm and cut-out
- Automatic basket load sensing, with alarm and cut-out Automatic cantilever load sensing with alarm and cut-out

pecolift

Non-Powered, Powered Access©

BATTERY FREE
POWER FREE
OIL FREE
QUICK. EASY.
SAFE
& AWARD WINNING!

Welcome to a new concept in
Low-level Powered Access,
'Non-Powered, Powered Access©'

pecolift
Non-Powered, Powered Access©

pecolift
Non-Powered, Powered Access©

EASY...

...a major step change in low-level access.

It's so easy, fast and efficient to use, it's intuitive. Just step in and turn the handle! And you don't need power; no batteries to charge or mains power consumption.

We call it 'Non-Powered, Powered Access!'©

Step into the future, it's here today!

1 **Step into the machine...**

2 **Simply turn the handle...**

Gone are the days of climbing steps or podiums, no more slips, trips or having to balance!

FAST...

SAFE...

3 and elevate to your working height.

Pecolift converts 10% human energy into 100% of the power required to elevate to full working height, in just 11 seconds!

Stop wherever you want up to 3.5m working height.

You're always safe, fully guarded from the ground up. And its low maintenance, in fact it's virtually maintenance free, it's so simple!

new

ecolift

Non-Powered, Powered Access©

BATTERY FREE
POWER FREE
OIL FREE

4.2METRE
WORKING HEIGHT

As part of the Eco range the Ecolift still harnesses the same ECO friendly revolutionary 'Patented Stored Power System' as the Pecolift but at 4.2m offers almost a metre extra in working height.

With no batteries (to charge and look after) and no hydraulic oil, the Ecolift is truly an Eco friendly solution. **We call it 'Non-Powered, Powered Access.'**

Typical applications and uses:
Facilities Maintenance, Retail Fit-Out, Point of Sale.

- Intuitive to operate - turn handle to elevate.
- Patented* lift mechanism, no power required.
- Lightweight, easy to manoeuvre.
- Small footprint (1.28m x 700mm).
- Unlimited lift cycles, can be used 24/7.
- Robust design for years of trouble free service.
- Minimal operational costs, virtually maintenance free.

SPECIFICATIONS

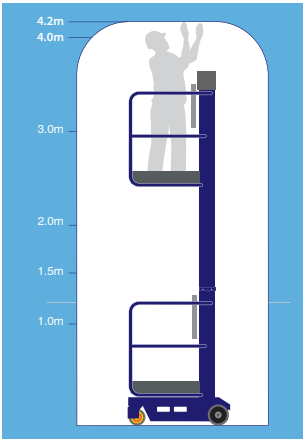
WORKING DIMENSIONS

Maximum working height:	4.20m
Maximum platform height:	2.20m
Basket dimensions:	850mm(L) x 644mm (W)
Working footprint:	1.28m x 700mm
Safe working load:	150kg (1 person + tools)
Maximum manual force:	200N
Maximum gradient for operation:	0 degrees
Maximum wind force:	Internal use only, 0 (zero) mph
Maximum wheel force:	234kg
Maximum castor point load:	234kg (2.29kN)
Sound pressure level:	Less than 70Dba

CLOSED DIMENSIONS

Length:	1.28m
Width:	0.70m
Height:	1.94m
Weight:	305kg

LIFT CYCLES Unlimited



SAFETY FEATURES

- Auto-braked on entering basket
- 'Auto-lok' brake on elevation.
- Dead Man's handle.
- Fail-safe lifting mechanism.

SGS Baseefa

Can be specified for ATEX approval for Zones 1 and 21.

eco compliant

Pecolift is hydraulic oil and battery free, and with no need to charge, has no energy consumption. Pecolift is an eco friendly solution to Powered Access needs.

new

ecolift

Non-Powered, Powered Access©

WIND RATED

BATTERY FREE
POWER FREE
OIL FREE

4.2METRE WORKING HEIGHT & WIND RATED!

As part of the Eco range the Ecolift still harnesses the same ECO friendly revolutionary 'Patented Stored Power System' as the Pecolift but at 4.2m offers almost a metre extra in working height.

With no batteries (to charge and look after) and no hydraulic oil, the Ecolift is truly an Eco friendly solution. **We call it 'Non-Powered, Powered Access.'**

Typical applications and uses:
Facilities Maintenance, Retail Fit-Out, Point of Sale.

- **Operable on gradients up to 3° and in winds up to 12.5m/s**
- Intuitive to operate - turn handle to elevate.
- Patented* lift mechanism, no power required.
- Lightweight, easy to manoeuvre.
- Small footprint (1.28m x 950mm).
- Unlimited lift cycles, can be used 24/7.
- Robust design for years of trouble free service.
- Minimal operational costs, virtually maintenance free.

Ecolift Wind Rated is operable on gradients up to 3° and in winds up to 12.5m/s

SPECIFICATIONS

WORKING DIMENSIONS

Maximum working height:	4.20m
Maximum platform height:	2.20m
Basket dimensions:	850mm(L) x 644mm (W)
Working footprint:	1.28m x 950mm
Safe working load:	150kg (1 person + tools)
Maximum manual force:	200N
Maximum gradient for operation:	**3º**
Maximum wind force:	**Internal/External use. 12.5m/s**
Maximum wheel force:	245kg (2.4kN)
Maximum castor point load:	245kg
Sound pressure level:	Less than 70Dba

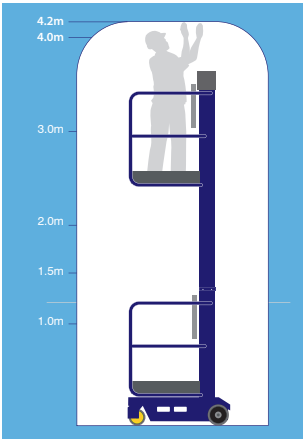
CLOSED DIMENSIONS

Length:	1.28m
Width:	0.95m
Height:	1.94m
Weight:	335kg

LIFT CYCLES Unlimited

SAFETY FEATURES

- Auto-braked on entering basket
- 'Auto-lok' brake on elevation.
- Dead Man's handle.
- Fail-safe lifting mechanism.



Can be specified for ATEX approval for Zones 1 and 21.

eco compliant

Pecolift is hydraulic oil and battery free, and with no need to charge, has no energy consumption. Pecolift is an eco friendly solution to Powered Access needs.

pecolift
Non-Powered, Powered Access©

PECOLIFT
AN AWARD WINNING REVOLUTION IN LOW-LEVEL ACCESS.

The Pecolift is a revolutionary approach to low-level access.

Battery and electric power free, the Pecolift is elevated by simply and easily rotating the handle; the patented lift mechanism glides you smoothly to your chosen working height in seconds.

With no batteries (to charge and look after) and no hydraulic oil the Pecolift is truly an Eco friendly solution. It's tiny footprint and simplicity of use finally provides a purely mechanical solution that doesn't involve erecting, unfolding or climbing.

We call it 'Non-Powered, Powered Access.'

- Intuitive to operate - turn handle to elevate.
- Patented* lift mechanism, no power required.
- Lightweight, easy to manoeuvre.
- Small footprint (985mm x 700mm).
- Unlimited lift cycles, can be used 24/7.
- Robust design for years of trouble free service.
- Minimal operational costs, virtually maintenance free.

SPECIFICATIONS

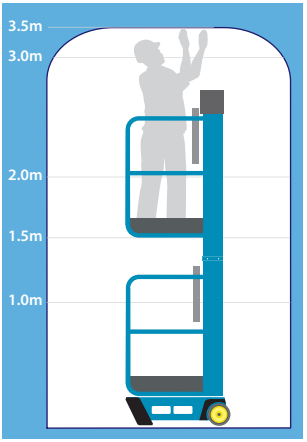
WORKING DIMENSIONS

Maximum working height:	3.50m
Maximum platform height:	1.50m
Basket dimensions:	720mm(L) x 600mm (W)
Working footprint:	985mm x 700mm
Safe working load:	150kg (1 person + tools)
Maximum manual force:	200N
Maximum gradient for operation:	0 degrees
Maximum wind force:	Internal use only, 0 (zero) mph
Maximum wheel force:	125kg
Maximum castor point load:	125kg (1.23kN)
Sound pressure level:	Less than 70Dba

CLOSED DIMENSIONS

Length:	985mm
Width:	700mm
Height:	1.55m
Weight:	180kg

LIFT CYCLES Unlimited



SAFETY FEATURES

- Auto-braked on entering basket
- 'Auto-lok' brake on elevation.
- Dead Man's handle.
- Fail-safe lifting mechanism.

SGS Baseefa

Can be specified for ATEX approval for Zones 1 and 21.

eco compliant

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WIND RATED

PECOLIFT WIND RATED
A WIND RATED REVOLUTION IN LOW-LEVEL ACCESS.

The Pecolift is a revolutionary approach to low-level access and the Wind Rated version further enhances this concept by enabling outdoor use in environments that neccesitate enhanced stability such as 'open walled' building or outdoor applications in winds up to 12.5m/s. In addition the Pecolift Wind Rated is operable on gradients up to 3°.

The product is ATEX approved for zones 1 and 21.

Battery and electric power free (no batteries or hydraulic oil), the Pecolift Wind Rated is elevated by simply and easily rotating the handle.

We call it 'Non-Powered, Powered Access.'

- **Operable on gradients up to 3° and in winds up to 12.5m/s**
- Intuitive to operate - turn handle to elevate.
- Patented* lift mechanism, no power required.
- Lightweight, easy to manoeuvre.
- Small footprint (1.10m x 1.10m).
- Unlimited lift cycles, can be used 24/7.
- Minimal operational costs, virtually maintenance free.

Pecolift Wind Rated is operable on gradients up to 3° and in winds up to 12.5m/s

SPECIFICATIONS

WORKING DIMENSIONS

Maximum working height:	3.50m
Maximum platform height:	1.50m
Basket dimensions:	720mm(L) x 600mm (W)
Working footprint:	**1.10m x 1.10m**
Safe working load:	150kg (1 person + tools)
Maximum manual force:	200N
Maximum gradient for operation:	**3°**
Maximum wind force:	**Internal/External use. 12.5m/s**
Maximum wheel force:	195kg
Maximum castor point load:	195kg (1.91kN)
Sound pressure level:	Less than 70Dba

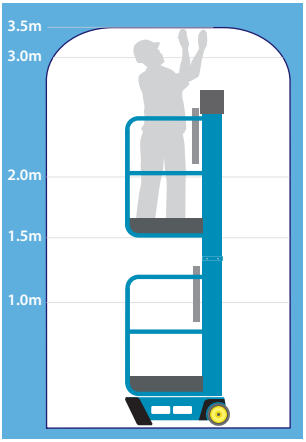
CLOSED DIMENSIONS

Length:	**1.10m**
Width:	**1.10m**
Height:	**1.55m**
Weight:	**240kg**

LIFT CYCLES Unlimited

SAFETY FEATURES

- Auto-braked on entering basket
- 'Auto-lok' brake on elevation.
- Dead Man's handle.
- Fail-safe lifting mechanism.



Can be specified for ATEX approval for Zones 1 and 21.

eco compliant

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WORK AT HEIGHT REGULATIONS

Brief summary of the Work at Height Regulations (WAHR) 2005, for more information; visit www.hse.gov.uk/falls.

In 2012/13 falls from height accounted for 46 fatal accidents and 5,667 major injuries. They are the single biggest cause of workplace deaths and one of the main causes for major injury.

What is 'Work at Height' (WAH) ?

A place is 'at height' if a person could be injured from falling from it.

'Work' includes working or moving around at work at height. e.g. a sales assistant on a stepladder would be working at height or a tradesman on a scaffold tower.

Do the rules apply to you?

WAHR apply to all work at height where there is a risk of a fall liable to cause personal injury. They place duties on employers, the self-employed, and any person who controls the work of others.

If you are an employee or working under someone else's control you must:

- Report any safety hazard to them.
- Use the equipment supplied properly, following any training and instructions.

What you must do as an employer

You must do all that is reasonably practicable to prevent anyone falling.
The regulations set out a simple hierarchy for managing and selecting equipment for work at height.

Duty holders must:

- Avoid work at height where they can.
- Use work equipment or other measures to prevent falls.
- Where they cannot avoid working at height and where they cannot eliminate the risk of a fall, use work equipment or other measures to minimise the distance and consequences of a fall should one occur.

Planning

- Ensure that no work is done at height if it is safe and reasonably practical to do it other than at height.
- Ensure that the work is properly planned, appropriately supervised, and carried out in as safe a way as is reasonably practical.
- Plan for emergencies and rescue.
- Take account of the risk assessment carried out under regulation 3 of the management of Health and Safety at Work Regulations.

In 2012/13 falls from height in the UK alone, accounted for 46 fatal accidents and 5,667 major injuries.

TRAINING

HSE regulations require operators of access equipment to be adequately trained for the piece of access equipment they are using.

We recommend that the user of low-level powered access products should have two levels of training, a general formal course, either for push-around machines or self-propelled machines and in addition specific product training.

For push around machines the Push Around Vertical (PAV) course by IPAF or similar approved body is recommended (as below) followed by specific product training. Note: Many large companies or organisations recommend that product specific familiarisation is adequate training for push around type machines.

For self-propelled machines the category 3A course by IPAF or equivalent for Self-Propelled Vertical machines is recommended followed again by specific product training.

Push Around Vertical (PAV) Course

Who should attend?

This programme is designed for the operators of push around verticals (PAV's), renewal of PAL cards or to learn how to operate PAV's.

Aim

To instruct an operator to prepare and safely operate various types of PAV's and to obtain an IPAF MEWP operator's licence.

Knowledge

By the end of the course delegates will also:

- Be aware of the relevant Health & Safety regulations
- Be aware of the needs to wear Personal Protective Equipment (PPE)
- Be aware of the need to refer to the machine operating manual

Training Methods

- Classroom based tutorials, demonstrations, practical and test.

Mobile (self-propelled) Vertical, Category 3A Course

Who should attend?

This programme is designed for the operators of self-propelled scissor lifts or mast lifts that can be driven when closed or at full height. Attendees will learn how to operate typical vertical self-propelled type machines.

Aim

To instruct an operator to prepare and safely operate various types of vertical self-propelled machines and to obtain an IPAF MEWP operator's licence, category 3A.

Knowledge

By the end of the course delegates will also:

- Be aware of the relevant Health & Safety regulations
- Be aware of the needs to wear Personal Protective Equipment (PPE)
- Be aware of the need to refer to the machine operating manual

Training Methods

- Classroom based tutorials, demonstrations, practical and test.

Further information: www.IPAF.org

This product booklet is intended as a guide only, all dimensions, weights and specifications are subject to change without notification. The contents of this guide are not legally binding, nor do they form part of any contract.

LLG / 09.14 | UK

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