

Powered **by air**



WALL-MAN®
LIFTMAN™

**PNEUMATIC
ACCESS
PLATFORMS**

MATERIALS
Handling *Working with ease...*
PTY LTD



 **Made in Norway**

WHY PLATFORMS?

WALL-MAN® and LIFTMAN™ will improve your profitability by providing enhanced safety, productivity, working environment and finishing quality as well as direct cost savings.

Close cooperation with hundreds of customers through more than 30 years of operation confirms this statement. WALL-MAN® and LIFTMAN™ are in everyday use in 40 countries worldwide. The Reglo network will continue to develop and further improve its products - for your long time satisfaction.

According to EU Directive 2001/45 and HSE recommendations, working at height requires appropriate equipment. WALL-MAN® and LIFTMAN™ are the answers.



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WHERE & HOW?

WALL-MAN® and LIFTMAN™ are durable and reliable access systems, requiring very little maintenance. They are designed to be used in flammable environments.

One typical environment is paint spray booths, where the advantages of WALL-MAN® can be fully utilised. Mounted along the side-walls, it provides access to the entire spray booth. An optimal working position enhances the quality of the finish and reduces strain and fatigue.

Users report lower levels of sickness absence and improved transfer efficiencies along with reduced overspray yields direct cost savings.

In the preparation area, the LIFTMAN™ is the ideal companion to the WALL-MAN®. Masking, sanding, smaller repair jobs and sign-writing/decal application are typical LIFTMAN™ tasks.

Both WALL-MAN® and LIFTMAN™ are easy to operate, resulting in improved efficiency with significant time-savings.

YOUR BENEFITS

- Better safety for the operator
- Improved quality of finish
- Enhanced working environment
- Direct cost savings
- Increased production efficiency
- Higher profitability
- Meet HSE recommendations

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WALL-MAN®

- No contact with the floor
- Three dimensional movement
- Non slip floor in cage
- Made to order
- ATEX approved



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WALL-MAN® Features & Specifications

Design:	Mounted on the wall – no contact with floor, ergonomic operation	
Construction:	Welded steel	
Finish:	RAL 5015	
Net weight:	320 kg	
Energy:	Entirely pneumatically operated	
Functions:	Three dimensional movement; up/down, in/out, left/right	
Characteristics:	Easy to install, minimum of maintenance.	
Models:	From 400 to 1300 mm telescopic extension – lifting height (floor of cage) up to 4,5 m	
Payload:	150 kg (one person + equipment)	
Controls:	Inside cage: Up/down, in/out, left/right At ground level: Up/down	
Brakes:	Brake system in rail for steady positioning. <i>Optional: brakes on lower support wheels.</i>	
Air supply:	Min. 6 bar, min. 350 ltr/minute supplied via hoses on self-retracting reels or via energy chain. A compressed air outlet for air tools is provided in the cage.	
Imposed loads:	<i>Upper rail:</i>	Vertical load approx. 420 kg Horizontal load approx. 120 kg
	<i>Lower support wheels:</i>	Vertical load 0 kg Horizontal load approx. 120 kg (Model 1000 – std. lifting height)
Approvals:	CE, UL and ATEX certified.	

Safety features:

Up/down:

- Safety flow restrictors in case of air loss
- Chain straightener
- Safety factor 11 on lifting chains
- Safety chain on air supply
- Chain slack protection

In/out:

- Pressurized cylinders for steady positioning
- Loss of air pressure allows manual movement

Sideways:

- Brake system for steady parking
- Guide rollers to centre the travel in top rail
- Rubber stoppers in rail
- Loss of air pressure allows manual movement

Miscellaneous:

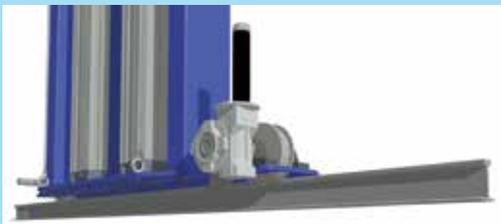
- Non slip floor in cage
- Signal horn
- Chain protection panels
- Hook in cage for safety harness
- Self closing hinges
- Self closing latches
- Emergency lowering



Accessories & modifications:
See page 8 for options.

WALL-MAN® XL

- 250 kg lifting capacity/payload
- 2 m cage width - room for two persons
- Maximum lifting height 6 m
- Three dimensional movement
- Non slip floor in cage
- Made to order
- ATEX approved



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WALL-MAN® XL Features & Specifications

Design:	Running on rails on the floor – ergonomic operation	
Construction:	Welded steel	
Finish:	RAL 5015	
Net weight:	790 kg	
Energy:	Entirely pneumatically operated	
Functions:	Three dimensional movement; up/down, in/out, left/right	
Characteristics:	Easy to install, minimum of maintenance.	
Models:	From 1000 to 1300 mm telescopic extension – lifting height (floor of cage) up to 6 m	
Payload:	250 kg (two persons + equipment)	
Controls:	Inside cage: Up/down, in/out, left/right At ground level: Up/down	
Brakes:	Brakes on lower support wheels.	
Air supply:	Min. 6 bar, min. 350 ltr/minute supplied via hoses on self-retracting reels or via energy chain. A compressed air outlet for air tools is provided in the cage.	
Imposed loads:	<i>Upper rail:</i>	Vertical load approx. 0 kg Horizontal load approx. 163 kg
	<i>Lower support wheels:</i>	Vertical load 1040 kg Horizontal load approx. 163 kg (Model XL 1000 – std. lifting height)
Approvals:	CE, UL and ATEX certified.	



Safety features:

Up/down:

- Safety flow restrictors in case of air loss
- Chain straightener
- Safety factor 11 on lifting chains
- Safety chain on air supply
- Chain slack protection

In/out:

- Pressurized cylinders for steady positioning
- Loss of air pressure allows manual movement

Sideways:

- Brake system for steady positioning
- Guide rollers to avoid threshold
- Rubber stoppers in rail
- Loss of air pressure allows manual movement

Miscellaneous:

- Non slip floor in cage
- Signal horn
- Chain protection panels
- Hook in cage for safety harness
- Self closing hinges
- Self closing latches
- Emergency lowering

Accessories & modifications:

See page 8 for options.

WALL-MAN® / WALL-MAN® XL



1 Foot pedal – as supplement to the three joy sticks.



2 Breathing air in cage.

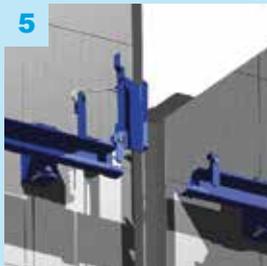


3 Automatic stop when telescoping out.



4 Tool tray on back wall of cage.

WALL-MAN®



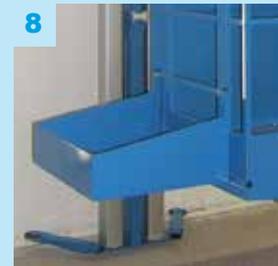
5 Rail pivot to pass dividing door. Various solutions.



6 Access step to cage when needed.



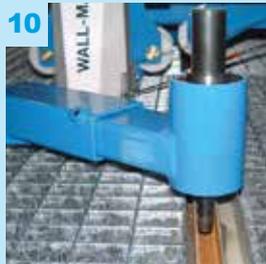
7 Brakes on lower support wheels



8 Shelf 600x625 mm for paint pot etc.



9 Chain drive – when upper rail is slippery.



10 Floor guidance of lower support wheels.



11 Collision protection on top of mast when more than one WALL-MAN® on same rail.



12 In/out movement operated from floor.

In addition the following features can be delivered:

WALL-MAN® / WALL-MAN® XL

- Extra door in front of cage.
- Protection under cage.
- Various brackets for tools in cage.
- Various brackets for hose reels.
- Multi wheel slide - for extra stability.
- Extra air connection in cage.
- Other extras as per agreement.

WALL-MAN®

- Increased width of cage – up to 1200 mm.
- High torque air motor – for special requirements like long distances etc.
- Extra emergency lowering on opposite side from standard.
- Doorstopper – to avoid collision when personnel door is opened.
- Multi wheel lower support wheels, when passing more than one personnel door.
- Wider distance lower support wheels – for extra wide personnel doors.
- Protection of lower support wheels.
- Trailer for paint pot etc.

CHECKLIST FOR QUOTATION

For quotations please submit the following information

Objects: L x W x H: max. _____ x max. _____ x max. _____ m

Object on rails: no yes

Spraybooth: L x W x H: _____ x _____ x _____ m

Lights 45° no yes H= _____ mm (from floor)

Personnel doors no yes W= _____ mm

Obstacles on wall no yes D= _____ mm (air outlets, switches, lights,...)

Dividing doors do not apply to WALL-MAN® XL

Dividing doors no yes L= _____ + _____ mm

If dividing doors, pick design below:

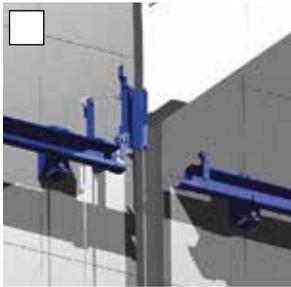
Door integrated in wall:



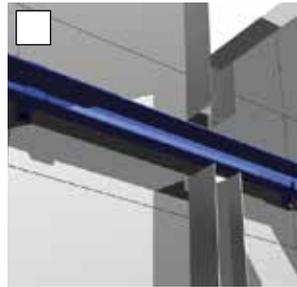
Door rail on wall, cut allowed:



Door rail on wall, cut NOT allowed:



Door rail with offset and cut:



Other requirements, comments, additional information

Company name: _____

Contact person: _____

Address: _____

Tel./Fax: _____

E-mail: _____

Project/end user: _____

Proposal validity: _____

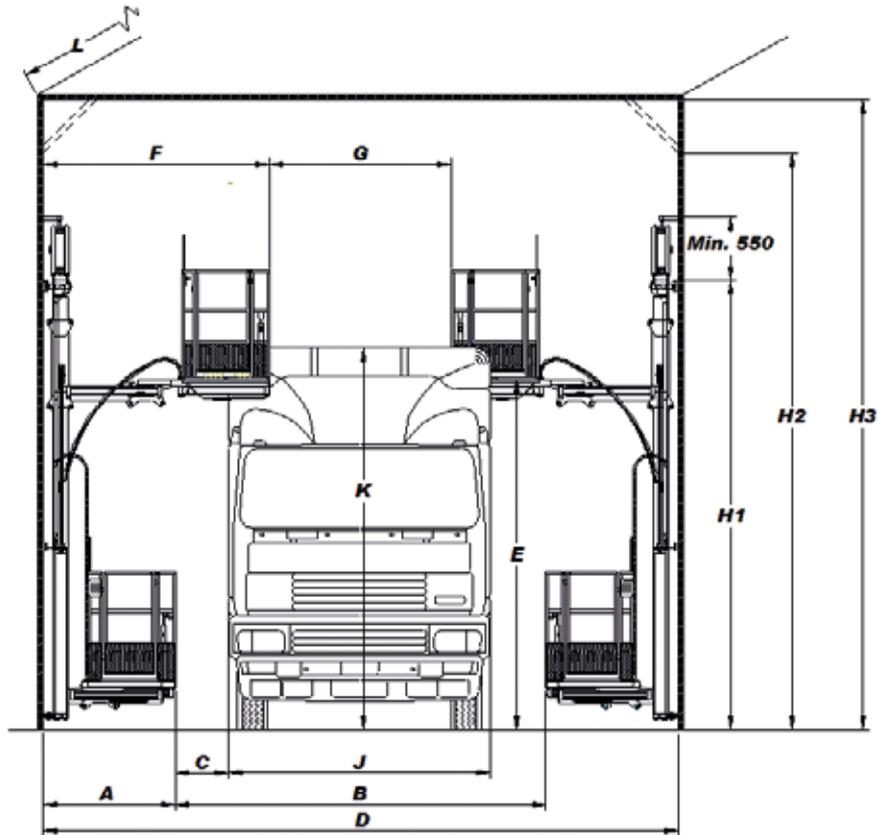
(approx. estimated date)

Fax to: +47 33 43 02 81

Mail to: info@reglo.no



WALL-MAN® RANGE

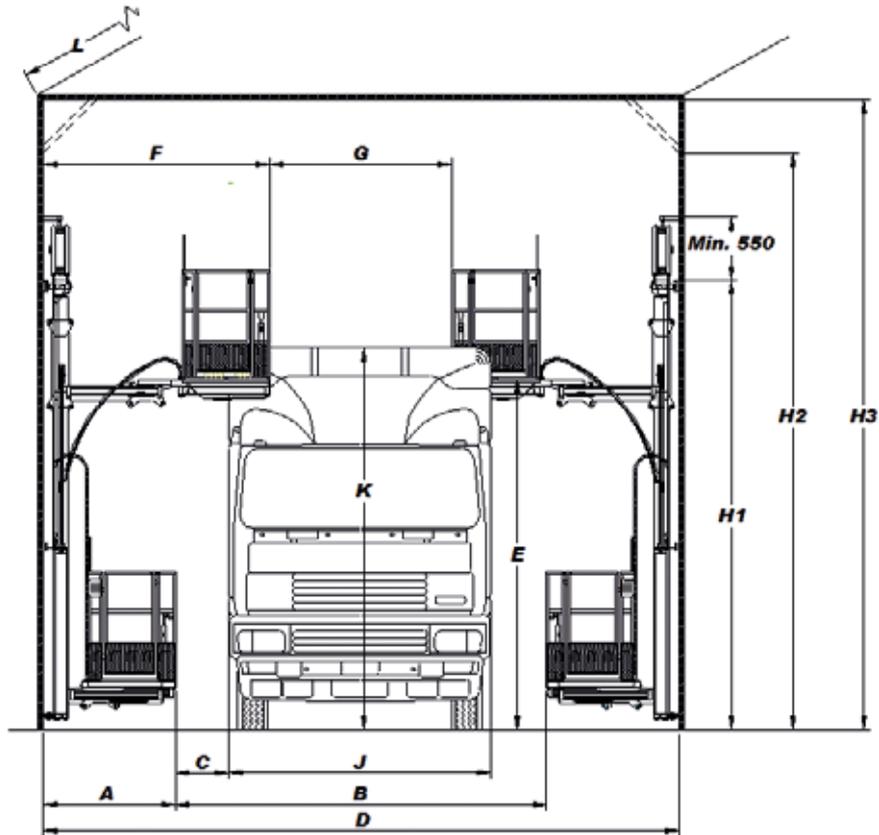


WALL-MAN®		Distance from wall ¹⁾		Cage size ²⁾		Lifting Height ⁴⁾	
Standard models	Axis	Min (A)	Max (F)	Width	Depth	Std.	Max
400 ³⁾	3D	835	1235	900	520	3275	4525
500 ³⁾	3D	885	1385	900	570	3275	4525
600	3D	935	1535	900	620	3275	4525
700	3D	985	1685	900	670	3275	4525
800	3D	1035	1835	900	720	3275	4525
900	3D	1085	1985	900	770	3275	4525
1000	3D	1135	2135	900	820	3275	4525
1100	3D	1185	2285	900	820	3275	4525
1200	3D	1235	2435	900	820	3275	4525
1300	3D	1285	2585	900	820	3275	4525

Measurements in mm.

- 1) Offset possible up to 250 mm - longer reach possible with brackets
- 2) Cage width can be extended up to 1200 mm
- 3) One door only
- 4) Distance between booth floor and cage floor.

WALL-MAN® XL RANGE



WALL-MAN® XL		Distance from wall ¹⁾		Cage size ²⁾		Lifting Height ³⁾	
Standard models	Axis	Min (A)	Max (F)	Width	Depth	Std.	Min
1000	3D	1240	2540	2000	820	6000	4000
1300	3D	1390	2690	2000	820	6000	4000

Measurements in mm.

- 1) Offset possible up to 250 mm - longer reach possible with brackets
- 2) Two doors, three doors optional.
- 3) Distance between booth floor and cage floor.



LIFTMAN™

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FEATURES:

- Entirely pneumatically operated
- Steering and driving independent of height
- Self-centering steering
- Occupies a minimum of floor space
- Sharp turning circle for easy access
- Controls and air inlet inside the cage
- Twin wheels as option
- Delivered ready-to-use
- ATEX approved

LIFTMAN™ Features & Specifications

Design:	Fully mobile
Construction:	Welded steel
Finish:	RAL 3002
Net weight:	385 kg
Energy:	Entirely pneumatically operated
Payload:	140 kg (1 person + equipment)
Lifting height:	Floor height 2.750 mm
Working range:	Up to 10 m radius from air connection point
Controls:	<i>Lifting:</i> Hand-lever valve in cage <i>Driving:</i> Foot pedal on cage floor <i>Steering:</i> Hand-lever valve in cage
Air supply:	Min. 6 bar, min. 350 l/minute supplied via a 10 m air hose on a self-retracting reel in the base. A compressed air inlet for air tools is provided in the cage.
Approvals:	CE, UL and ATEX certified



Safety features:

Up/down:

- Safety flow restrictors in case of air loss
- Chain slack protection

Miscellaneous:

- Non slip floor in cage
- Signal horn
- Chain protection panels
- Hook in cage for safety harness
- Self closing hinges
- Self closing latches
- Emergency lowering



LIFTMAN™ FOLD

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FEATURES:

- **Manual steering**
- **Twin wheels as option**
- **Folding-function enables passage through lower doors etc.**
- **Entirely pneumatically operated**
- **Occupies a minimum of floor space**
- **Sharp turning circle for easy access**
- **Controls and air inlet inside the cage**
- **Outriggers are standard**
- **Delivered ready-to-use**
- **ATEX approved**



LIFTMAN™ FOLD Features & Specifications

Design:	Fully mobile with fold-down function
Construction:	Welded steel
Finish:	RAL 1023
Net weight:	380 kg
Energy:	Entirely pneumatically operated
Payload:	140 kg (1 person + equipment)
Lifting height:	Floor height, unfolded; 2750 mm Floor height, folded; 1660 mm
Working range:	Up to 10 m from air connection point
Controls:	<i>Lifting:</i> Hand-lever valve in cage <i>Steering/Driving:</i> Manual
Air supply:	Min. 6 bar, min. 350 l/minute. A compressed air inlet for air tools is provided in the cage.
Approvals:	CE, UL and ATEX certified

An optional compressed air container (300 bar) can be used in locations where compressed air are not available (approximately 15 up-down operations).



Safety features:

Up/down:

- Safety flow restrictors in case of air loss
- Safety chain on air supply
- Chain slack protection

Miscellaneous:

- Non slip floor in cage
- Signal horn
- Hook in cage for safety harness
- Self closing hinges
- Self closing latches
- Emergency lowering



The folding-function enables Liftman Fold to pass through doors and passageways with as low as 2030 mm height.

SEGMENTS & ADAPTABILITY

COMMERCIAL VEHICLES



Commercial heavy utility vehicles have traditionally been the most important area of use for the WALL-MAN and LIFTMAN access platforms. Manufacturers, body builders and repair and maintenance shops all over the world have found WALL-MAN to be the optimum work platform in their spray booths/paint shops.

Painting of very expensive aircraft components requires extremely high accuracy of workmanship. This places great demands on personnel access platforms in terms of manoeuvrability. The WALL-MAN provides the required accuracy in that the operator has full control of left/right, up/down and in/out movements using the ergonomically correctly placed joy-sticks.



AIRCRAFT

PAINT BOOTHS



Manufacturers After 30 years on the market, the WALL-MAN has been approved by most manufacturers of paint booths in most locations worldwide. The WALL-MAN is widely recognised for its reliability and long service life, and can be installed in the vast majority of paint booths.

WALL-MAN and LIFTMAN access platforms are used by an ever increasing number of businesses. From the biggest wind turbine blades to the smallest parts hanging on the conveyor – from conventional coating of large surfaces to powder-coating of open steel structures – WALL-MAN and LIFTMAN platforms can be adapted for most situations in which paint is applied.



INDUSTRIAL

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WALL-MAN is an engineered product with great adaptability, being used in many applications. Made to order, the wide model range and numerous accessories and modifications makes WALL-MAN the best choice for any painter.



RAIL

There is a marked and continuing increase in the proportion of WALL-MANs sold to manufacturers of rolling stock (trains, trams and light rail vehicles). More and more users are discovering the advantages of fast and flexible three-dimensional movement; left/right, up/down and in/out. WALL-MAN can be modified to meet special requirements, for example extra door in the front.

WALL-MAN and LIFTMAN access platforms were initially designed for buses and lorries. Small maintenance shops as well as large international manufacturers of buses and coaches have put the excellent properties of the Reglo platforms to good use. Adaptation to each individual cabin and ideal distance to the objects are features that ensure economy and a perfect finish.



BUS & COACH



MILITARY

From Korea via the Falklands to the UK the WALL-MAN is valued by the defence sector due to its reliability and modest maintenance requirements. In addition to paint application, the defence sector uses the WALL-MAN for several other tasks.

We are always discovering new applications for the WALL-MAN concept. Examples are powder painting of large objects and water-jet cleaning of large pieces of machinery.



OTHER USES



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REFERENCES



EADS



EvoBus



WALL-MAN[®] & LIFTMAN[™]

Installed in over 40 countries world-wide

WHO WE ARE

Reglo AS, headquartered in Andebu, Norway, manufactures the pneumatically operated access platforms WALL-MAN and LIFTMAN for worldwide distribution. In the early 80's, Reglo's founder, Mr H. Elvstedt, began developing new ways to improve spray booth safety and productivity.

Together with the designer of LIFTMAN, Mr S. Ellefsrød, the key Reglo innovation was developed; the same compressed air used for painting can drive pneumatically powered systems for personnel. Since then Reglo, has maintained a leading position in this segment.



Located near the regional airport Sandefjord Torp and working with a large network of qualified distributors worldwide, Reglo is always close to the customers.

MATERIALS
Handling *Working with ease...*
PTY LTD

Our website: www.materialshandling.com.au
Phone us: 1300 25 84 07 Fax us: 1800 68 68 96
Email us: sales@materialshandling.com.au

Australia Wide Sales and Service