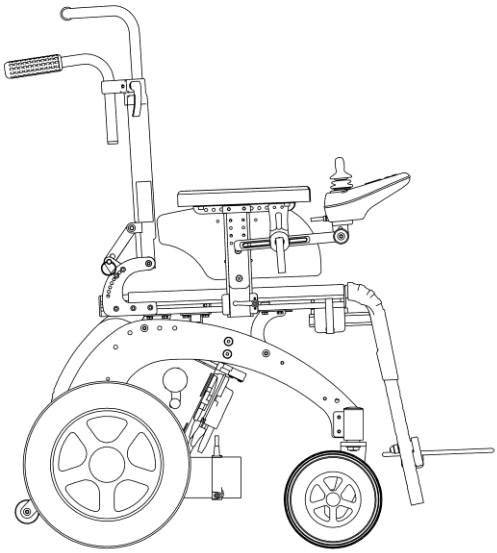
PEGASUS



USER MANUAL

with CE Mark Statement

Supplier: This manual must be given to the user of the wheelchair.
User: Before using this wheelchair read this entire manual and save for future reference

AUTHORIZED SERVICE AND PARTS

For any problems please contact.

NEATECH.IT s.r.l.
4/A, A. De Curtis St.– 80040 – Cercola (NA) - Italy
Tel +39 0815551946
Fax +39 0815552507

From the date of the delivery of the wheelchair, the warranty period is two years for the chassis and six months for the batteries.

The warranty will expire immediately in the event of:

- Negligence
- Neglect of use
- Tampering
- Improper maintenance
- Improper transport

DECLARATION OF CONFORMITY

The manufacturer

Neatech.it

4/A, A. De Curtis St. 80040 Cercola (NA), Italy

under its responsibility, states that

the wheelchair Pegasus Evo

satisfies the conditions laid down by European Directive 93/42;

according to the criteria for classification of annex IX of this Directive, the Pegasus Evo is classified as

class I medical device

It also complies with the requirements of the harmonized standards:

UNI EN 12182 Ausili tecnici per persone disabili

UNI EN 12184 Sedie a rotelle a propulsione elettrica, motorette e loro sistemi di carica

Table of Contents

WARNINGS

TIPPING HAZARD

Any transport on a slope greater than the maximum security slope can be dangerous.

ELECTROMAGNETIC RADIATION DANGER

The behavior of the wheelchair while deriving may be affected by electromagnetic fields created by transceivers such as: Citizens band (CB) radios, walkie-talkies, fire and police radios, cellular phones, lap-top computers, two-way radios, and commercial radio and television broadcast antennas.
PLEASE USE CAUTION in the presence of these devices.

EMI can cause your chair, without warning, to:

- Release its brakes
- Move by itself
- Move in unintended directions

If any of these occur, it could result in severe injury to you or others. EMI can damage the control system of your chair.

There is no way to know the effect on EMI if you add accessories or modify this chair. Any change to your
chair may increase the risk of EMI. Parts from other suppliers have unknown EMI properties.

TEMPERATURE

The temperature of some surfaces may increase when the chair is exposed to external heat sources as sunlight.

Do not install, maintain or operate your wheelchair without reading all warnings and this entire user's manual.

NOTICE TO RIDER—WARNING

The wheelchair should be turned off prior to entering or exiting the wheelchair

The wheelchair may come to a sudden stop at any time during operation.

Do not operate the wheelchair if it is behaving abnormally or erratically.

Do not operate the wheelchair with low batteries, to minimize risk of becoming stranded.

The wheelchair is not intended to be used as a seat on motor vehicles.

PINCH HAZARDS – WARNING

Make sure your feet do not "hang up" or get caught in the space between the footrests. In general, make sure you have proper space in areas you will travel through to minimize pinching or entrapment of body parts.

WARNING

Do not use an escalator move the wheelchair between floors. Serious bodily injury may occur

Do not lean over the top of the back upholstery to reach objects from behind as this may cause the wheelchair to tip over.

Do not shift your weight or sitting position toward the direction you are reaching as the wheelchair may tip over backwards or sideways

Do not tip or wheel the wheelchair with wheel locks. Wheel locks are not brakes.

Do not stand on the frame of the wheelchair.

Always use caution when transferring in or out of the wheelchair. Every precaution should be taken to reduce the transfer distance. Also be certain the wheel locks are engaged to prevent the wheels from moving

Caution—Obstacles
Riding over curbs or obstacles can cause tipping and serious bodily harm. If you have any doubt that you can safely cross any curb or obstacle, ALWAYS ASK FOR HELP. Be aware of your riding skills and personal limitations. Develop new driving skills only with the help of a companion.

Caution—Anti-Tippers
Using anti-tippers substantially reduces your risk of falling over backwards, which can cause serious injury. If you are afraid of tipping over, use the Anti-Tippers. The Anti-Tippers will keep you from falling over, but they will limit your ability to be pulled up curbs and some other maneuvers. **WE STRONGLY RECOMMEND THAT YOU USE ANTI-TIPPERS WHILE YOU ARE LEARNING TO RIDE YOUR WHEELCHAIR.**

The wheelchair is not designed for weight training and is unsafe for use as a seat while weight training. Weight training from the wheelchair substantially changes the stability of the chair and cause tipping.

DISPOSING
This product and all its components can not be treated as household waste. For more detailed information on how recycling and disposal this product contact your local waste disposal service.

1. WHEELCHAIR PRESENTATION

Thank you for purchasing the Pegasus Evo. electronic wheelchair.
Pegasus Evo was designed to be used mainly outdoors.
The aeronautical technology used to manufacture all Neatech.IT products makes it possible to create a rigid and foldable frame highly customizable and reliable. The frame and canvas are available in different colors.

Characteristic

- Adjustable armrests
- Adjustable footrest
- Customizable colors
- Electronic tilting
- Maximum speed 9 km/h
- Elevating seat
- Reclining backrest
- Range of 35 km
- Fully charged in 7 hours
- Maximum slope 10°

WARNING: It is prohibited to use wheelchair or its parts for any purpose other than that indicated. For correct use please follow the instructions given in this manual. **NEATECH.IT disclaims any responsibility for damages caused by improper use of aids**

2. STARTING UP

Checks to be made on delivery

- Check the integrity of the original packaging.
- Check for any anomalies on the shipping documents.
- Check the functionality and integrity of the device in all of its parts, at the time of delivery or immediately thereafter, to ensure that no damage has resulted from a careless transport.
- Make sure the surface of the device is not damaged, scratched, bent, etc.
- Any fault or damage found must be immediately reported on the shipping documents and promptly communicated to the carrier. For any other questions, please contact the manufacturer.
- When not using your Pegasus Evo for an extended period of time, store it in a safe place free from dust and moisture.

Inside the box there is:

Pegasus Evo wheelchair
N. 1 pair of footrests
N. 1 pair of armrests
N. 1 joystick
N. 1 charger
Documentation and manuals

PACKAGING DIASPOSAL

To properly recycle the packaging materials follow the instructions provided by your local waste disposal service.

2. STARTING UP

Connection of the Joystick

Connect the cable of the joystick as shown in Figure 1. Make sure it is completely connected. If it appears difficult to insert the connector try to invert and reinsert

Figure 1

Transport and storage

If you do not use your Pegasus Evo for a long time make sure that you set the switch (I) OFF, as shown in Figure 2. You should keep the Pegasus Evo in a place free from dust and moisture and away from heat sources.

If you must ship the Pegasus Evo, turn off the switch (I), unplug the joystick and remove the footrests and armrests.

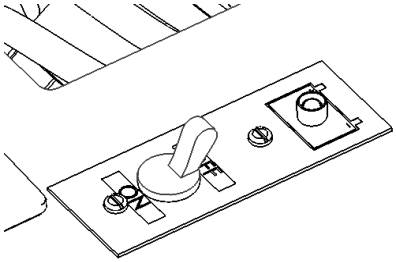


Figure 2

3. USE OF THE WHEELCHAIR

Checks before use

For safe use and to avoid any situations of risk to the user before using the wheelchair perform the following checks.

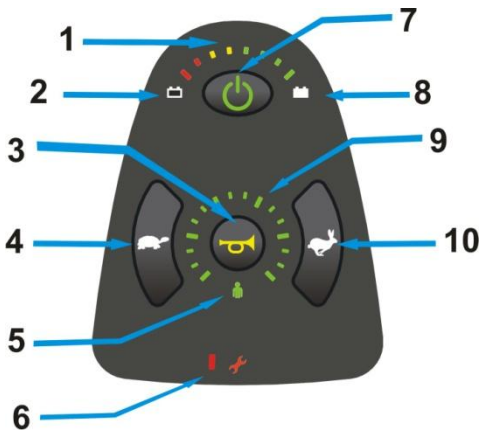
- **Checking tire pressure**
  Verify that the tire pressure is consistent with the values given in the table

Front wheels	3,0 bar
Rear wheels	1,5 bar

- **Checking battery charge level**
  Check the battery charge level on the indicator located on the joystick. (N.1 in Figure 3)
- **Check of electric cables**
  Check that the wires do not interfere with the movements of the wheelchair..

3. USE OF THE WHEELCHAIR

Control console



1. Battery level
2. Low battery indicator
3. Beeper-Horn
4. MIN speed selector
5. Remotely controlled joystick indicator
6. Error indicator
7. On-off button
8. Fully charged battery indicator
9. Speedometer
10. MAX speed selector
11. Controller

Figure 3

Figure 4

NOTE: It is possible that the control console of the Pegasus Evo is different depending on the accessories chosen. Main controls remain unchanged .

3. USE OF THE WHEELCHAIR

Powered mode

Set the release engine lever located in the back of Pegasus Evo as shown in Figure 5. In this configuration, the brakes are on and the wheels will not move.
Use the switch (I), see Figure 2, to turn on and turn off the Pegasus Evo.
The switch also has the function of protecting the wheelchair from overloaded current and short circuit. If the powered chair suddenly stops, use the switch to turn on the chair. If the problem still continues, please contact technical support.

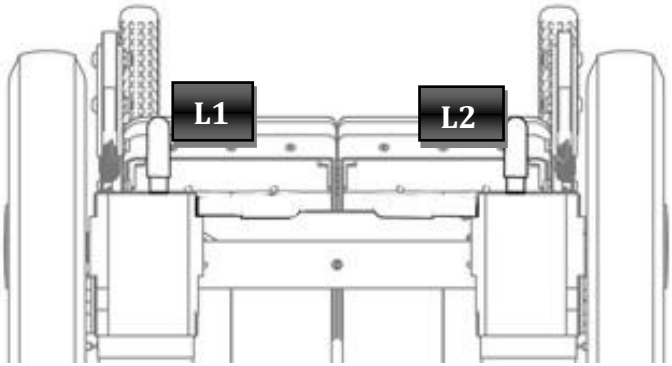


Figure 5

Seeing Figure 5 use the button 6 to turn on the command console. Use button 4 and 10 to select the travel speed. Chosen level is shown by the indicator 9.
Use the controller 11 to adjust the speed and direction of the Pegasus Evo.
Releasing the lever of the controller automatically activates the electromagnetic brake that locks the wheels of the Pegasus Evo.

Do not turn on or turn off the command console while the wheelchair is moving.

3. USE OF THE WHEELCHAIR

Push mode

If you need to use the push mode, use switch (I), (see Figure 2) to turn off the Pegasus Evo and set the release engine lever as shown in Figure 6.

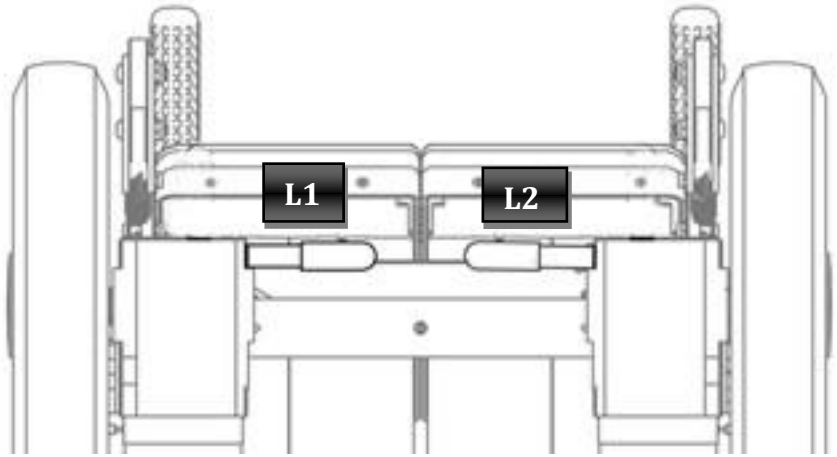


Figure 6

WARNING

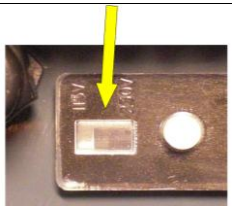
In the push mode the electromechanical brakes are off, so the use of the Pegasus Evo in the presence of slopes may be dangerous.

3. USE OF THE WHEELCHAIR

Charge of the batteries

Only use the provided charger to recharge the batteries. The manufacturer is not responsible for damage to person or property resulting from the use of other chargers

	Charging in progress		Battery error
	Charging 80 %		Wrong polarity
	Charging 100%		Overheating
			General Error



SHOCK HAZARD

Always check the voltage setting

3. USE OF THE WHEELCHAIR

It is recommend to charge the batteries when the indicators 1 in Figure 3 are red. Each battery is subject to a normal "self discharge", so batteries that are not used for long time will discharge by themselves.
Charging time is influenced by multiple factors such as remaining battery power, battery state of aging and temperature. However the approximate charging time is about 7-9 hours. If the charge duration was reduced (about 1 hour), that is a sign of failure. Contact the vendor for a possible replacement of batteries.
Don't use the wheelchair while it is charging.

SHOCK HAZARD
Check if charger data sheet matches with the network power (voltage, frequency).

RELEASE DANGER
Any impact to the batteries could cause a loss of fluids. Pay attention

ENVIRONMENTAL HAZARD
It is recommended to properly recycle used batteries. Contact your local agency for waste disposal for more information.

4. ADJUSTMENTS

Armrest

It is possible to make several adjustments on the armrests: height, width and depth. Shown operations can be performed on both armrests.

- **Height**

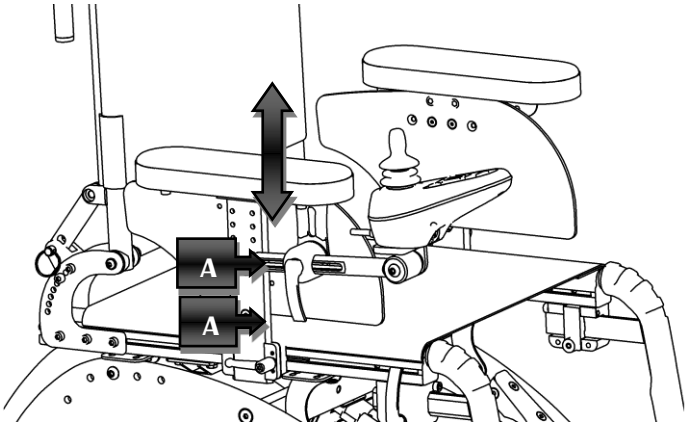


Figure 7

Seeing Figure 7, loosen the screws (A), and set armrests height to desired value and retighten the screws (A).
NOTE: For this operation use a 6 mm allen wrench.

4. ADJUSTMENTS

- **Depth**

To adjust armrests depth and width act under the seating floor as shown in Figure 8.

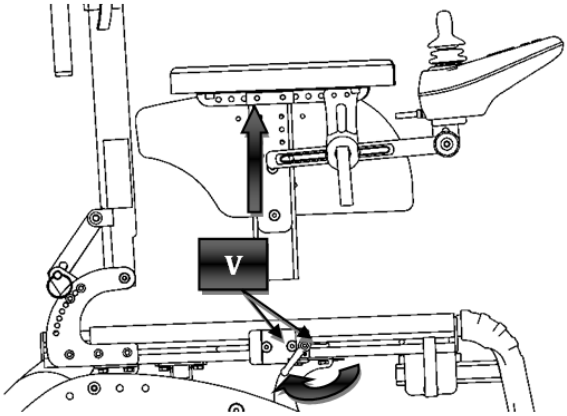


Figure 8

Loosen the 4 screws indicated in Figure 8 and move the armrest to the desired position; tighten the screws again. Be sure that the armrest can not move at all.
NOTE: For this operation use a 10 mm open-end wrench.

4. ADJUSTMENTS

Joystick

Loosen the lever (L), as shown in Figure 9, so it is possible to move the joystick in accordance with the directions indicated to reach the desired position. Retighten the lever.

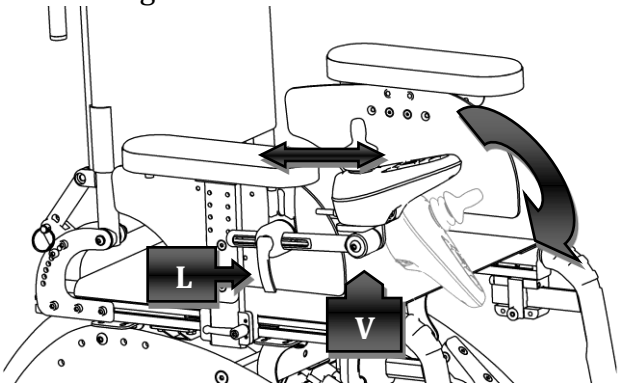


Figure 9

Footrests height

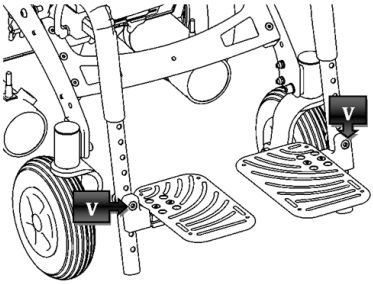


Figure 10

Unscrew the pin shown in Figure 10 to release the footrest. Choose the desired height by aligning the footrest to one of available holes. NOTE: Use a 6 mm allen wrench and a 13 mm open-end wrench for this operation.

4. ADJUSTMENTS

Footrests inclination

Loosen the screws shown in Figure 11, so that it is possible to adjust footrest inclination. Rotate the footrest to reach the desired position. Tighten the screws again.

NOTE: Use a 4 mm allen wrench.

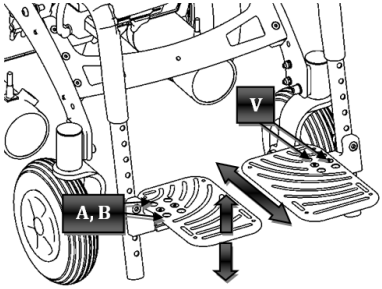


Figure 11

Footrests depth

Unscrew the screws shown in Figure 11 and position the footrest in the desired position. Tighten the screws again.

4. ADJUSTMENTS

Backrest depth

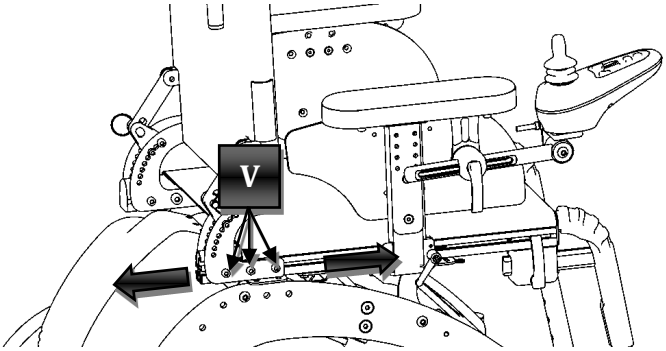


Figure 12

Seeing Figure 12 loosen the screws (V), move the backrest to the desired position and tighten the screws again.
NOTE: Use a 4 mm allen wrench for this operation

Backrest inclination

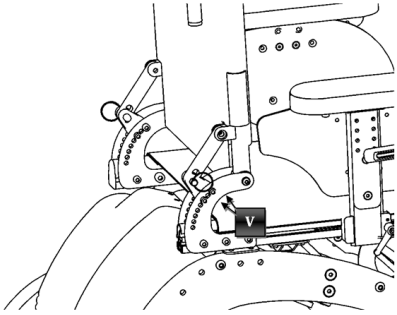


Figure 13

Remove the screws shown in Figure 13 on both sides (total 8 screws), incline the backrest to the desired position and put the screws back in place and retighten.
NOTE: Use a 4 mm allen wrench for this operation.

5. ACCESSORIES

Pegasus Evo can be equipped with many accessories that NEATECH makes available to meet different customer's needs. There is the possibility that the joystick will change depending on desired accessories.

Removable flip-up adjustable active footrests

With this equipment, you can adjust the inclination of the footrests with the aid of the joystick.
The controller allows you to select the type of movement (only left footrest, only right footrest, both footrests).

5. ACCESSORIES

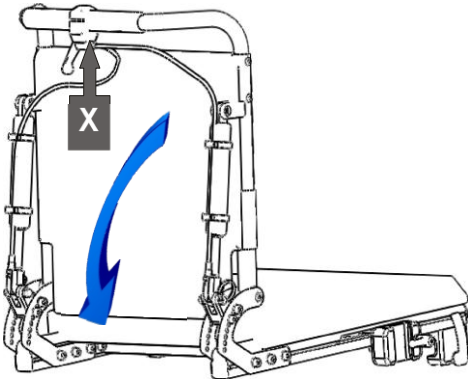


Figure 14

Dynamic reclining backrest

This equipment allows you to recline the backrest with the help of a lever installed on the back. Pull the lever (X) and recline the backrest to the desired inclination, and release the lever (X).

Powered reclining backrest

With the aid of two electronic pistons, the user can recline the backrest with the joystick

Figure 15

Side pad right - left

It is an adjustable support that acts laterally on the chest of the user to keep the desired position. It can be mounted either in pairs or individually.

5. ACCESSORIES

Adjustable headrest

It is a headrest mounted on the back; you can adjust either height and inclination. You can also rotate the headrest with the pin.

Figure 16

Powered seat lift and tilt

The user can vertically lift and tilt the seat (max 300mm/0°-30°) controlling its movement with the joystick.

During tilting operations make sure that your elbows rest on the armrests to eliminate risk of entrapment

Transparent table with mounting brackets

This table is designed to provide a wide usable area and to offer rest support to the arms. The table is adjustable in different positions and requires a simple assembly.

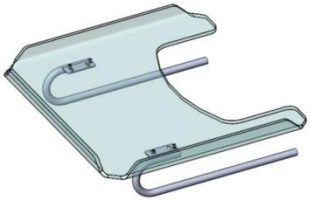


Figure 17

You can also request**: heel straps, calf straps and foot straps.**

5. ACCESSORIES

Seat belt

Pegasus Evo include seat belt.

Initial operating

This operating instruction is considered for skilled, caregiving personnel. Before initial operating please consider this instruction. Texts and graphics do not exactly agree with product contends and are not true to scale. Please eliminate damages in case of transit. For cleaning use a moist cloth. For installing the article at seat please consider this operating instruction and check the correct application.

Application field

This article is made for purpose of fixing persons in the wheel chair, on stretchers, beds or something else. This item should not be applicated in motor-vehicles.

Cleaning

For cleaning use a moist cloth. For cleaning and disinfection do not use any substances with chlorine or organic/inorganic matter that contain active chlorine. Don`t use soapy water or lime wash.

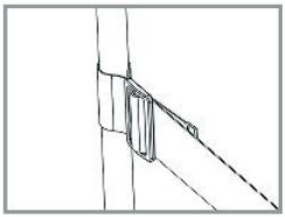
Damages and partial damages

In case of damages and partial damages the article should be replaced.

Life cycle

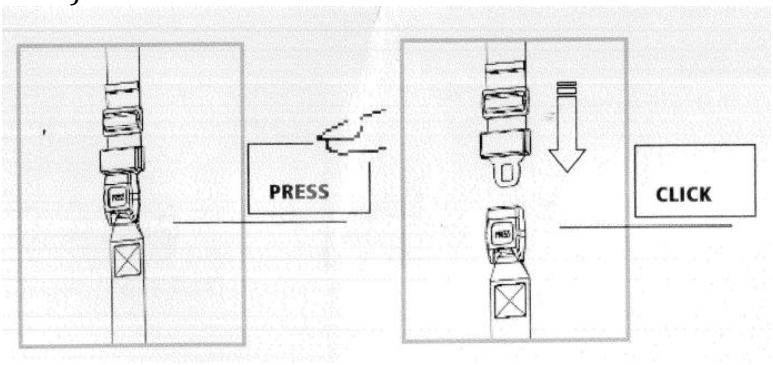
In case of a correct application and cleaning the article should be replaced every 5 years.

- Fixation at frame
  For fixing the safety belt, please, put it around the frame and loop it through buckle again.

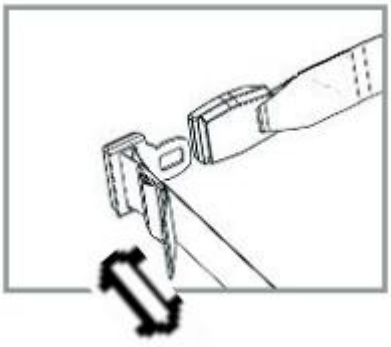


5. ACCESSORIES

- To open: Press Push-button PRESS
- To lock: Push buckle tongue into the lock with an audible ("click")



- Length adjustment of belt at an angle of 90°, stepless.

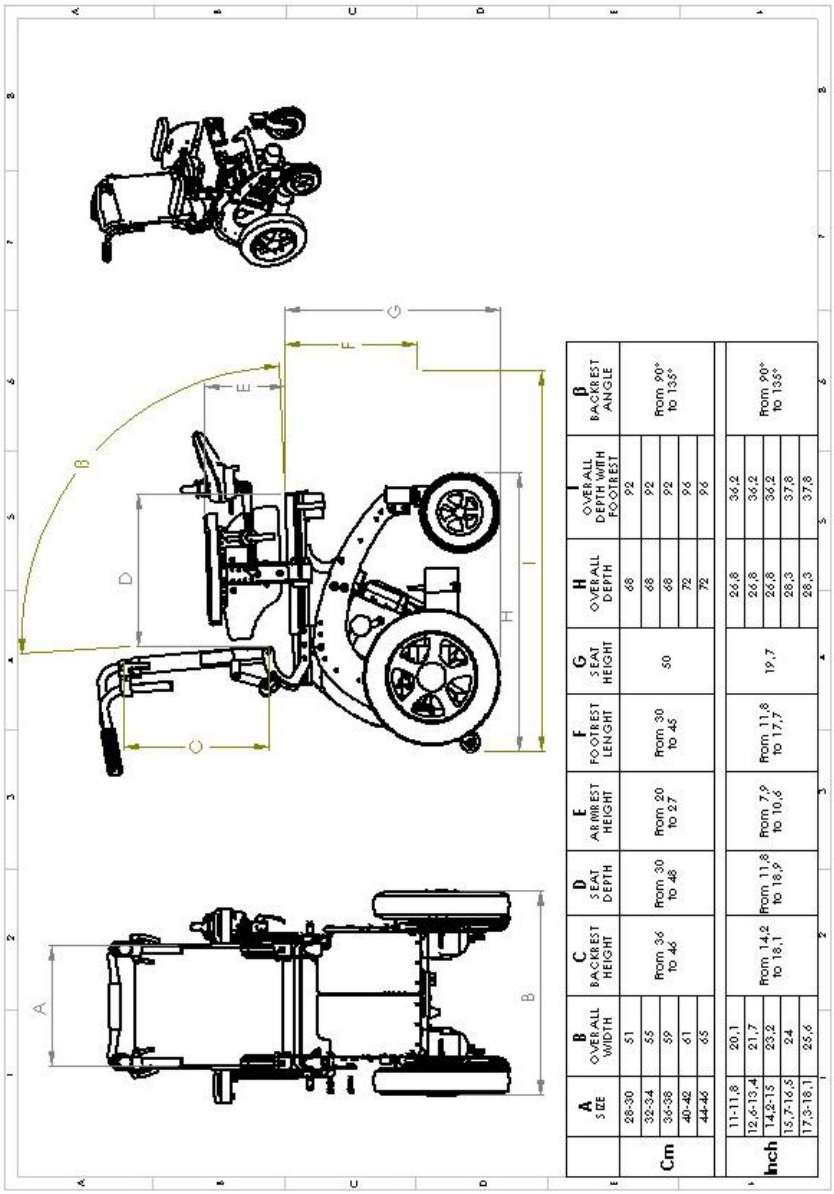


6. CONTROL AND MAINTENANCE

Specifications

Maximum allowed mass	125 kg
Intended use	Pegasus Evo is intended for all those groups of users that are confined to a sitting position who have the opportunity and the need to travel autonomously in areas predominantly inside with the possibility of overcome some external obstacles. The wheelchair cannot be used as a seat on motor vehicles.
Working temperature	from -10 °C a 40 °C
Class (UNI EN 12184)	Class B
Dimensions	Width: from 51 cm to 65 cm according to different sizes Length: from 92 cm to 96 cm according to different sizes Height: form 86 cm to 96 cm according to different sizes
Empty weights	68kg
Maximum safety slope	10°
Maximum height of the platform from which the chair can descend safely [mm]	50mm
Range	35km
Batteries	2 batteries ZGL 12054 12 V 45Ah (Amp-hour)

6. CONTROL AND MAINTENANCE



	A SIZE	B OVERALL WIDTH	C BACKREST HEIGHT	D SEAT DEPTH	E ARMREST HEIGHT	F FOOTREST LENGHT	G SEAT HEIGHT	H OVERALL DEPTH	I OVERALL DEPTH WITH FOOTREST	β BACKREST ANGLE
Cm	28-30	51	From 36 to 46	From 30 to 48	From 20 to 27	From 30 to 45	50	68	92	From 90° to 135°
	32-34	55						68	92	
	36-38	59						68	92	
	40-42	61						72	96	
	44-46	65						72	96	
Inch	11-11,8	20,1	From 14,2 to 18,1	From 11,8 to 18,9	From 7,9 to 10,6	From 11,8 to 17,7	19,7	26,8	36,2	From 90° to 135°
	12,6-13,4	21,7						26,8	36,2	
	14,2-15	23,2						26,8	34,2	
	15,7-16,5	24						26,3	37,8	
	17,3-18,1	25,6						28,3	37,8	

6. CONTROL AND MAINTENANCE

Maintenance and cleaning

Regular maintenance will help to preserve functionality and safety of the Pegasus Evo. The lack or inadequacy of care and maintenance is a limitation of the warranty from the manufacturer.

To clean the chair do not use any device to spray water at high pressure. Protect the wheelchair from water and humidity. For plastic or metal parts use a soft cloth moistened with a non-aggressive detergent. For pads, linings and covers of the seat and backrest use warm water and mild detergent.
Do not use chemical cleaners, solvents, acids, etc.
Tires can be cleaned with water and detergent.

OPERATION	PERIODICITY
Checking tightness of chassis screws **For this operation contact your vendor**	Annual
Replacing the batteries **For this operation contact your vendor**	Biennial
Tire pressure monitoring	Weekly
Checking of tire usage	Monthly
Complete cleaning	Monthly

7. FAULT, REPAIR AND ASSISTANCE

PROBLEM	PROBABLE CAUSE	ACTION
Joystick does not turn on	power button is set to OFF	set power button to ON (see Figure 2)
	joystick cable not properly inserted	insert joystick cable properly
	batteries are low	charge batteries
	electrical fault	contact assistance
Joystick is turned on but the chair doesn't drive	wheelchair in push mode	set the lever as shown in Figure 5
	mechanical failure	contact assistance
Error light 10 turns on (Figure 3)	wheelchair in push mode	set the lever as shown in Figure 5
	electrical fault	contact assistance
	you has acted with the release lever with the command console turned on	turn off and on the command console
Footrest doesn't engage	mechanical failure	contact assistance
Joystick in alarm	electrical fault	contact assistance

7. FAULT, REPAIR AND ASSISTANCE

PROBLEM	PROBABLE CAUSE	ACTION
Wheelchair does not tilt	electrical fault	contact assistance
Wheelchair makes noise	release lever not properly inserted	insert the release lever correctly
	mechanical failure	contact assistance
Wheelchair does not have a good grip	Tires are not set to the correct value of pressure	Set the tires pressure to the correct value
Puncture	puncture	contact a qualified technician
Low autonomy of batteries	end of the life cycle of the batteries	contact assistance for the replacement of the batteries

Serial number

For any report or request for assistance provide the unique identification code on the chassis of each Pegasus Evo.

7. FAULT, REPAIR AND ASSISTANCE

Spare parts list

DESCRIPTION	NOTES
Tire wheel	Specify Pegasus Evo version (66 – 55), front wheel or rear wheel, right or left wheel
Inner tube wheel	Specify Pegasus Evo version (66 – 55), front wheel or rear wheel
Cover	Specify Pegasus Evo version (66 - 55)
Motor	Specify left or right
Footrest	Specify seat width and type of footrest (single or splitted)
Backrest canvas	Specify seat width and backrest height
Seat canvas	Specify seat width and depth
Headrest	Specify left or right
Bearing pair for front forks	
Front forks	Specify Pegasus Evo version (66 - 55)
Lights	Specify if position light, directions light or headlights

NOTE: For any other problem, contact the manufacturer.

7. FAULT, REPAIR AND ASSISTANCE

Warranty terms

Pegasus Evo is a product globally guaranteed for 24 months with the exception of batteries that are guaranteed for six months. The warranty covers defects in materials or workmanship. The warranty does not cover parts subject to usage or parts damaged by: overload, misuse, alterations and repairs made by unauthorized third parties.
The warranty expires in case of tampering, improper storage, unauthorized or incorrect maintenance.

MODEL:	Pegasus Evo
SERIAL NUMBER:	
MANUFACTURING DATE:	

USER MANUAL

PEGASUS EVO

NEATECH.IT

Our Mission is to transfer technology and solutions from the aerospace industry to the disability sector. We are proud to offer the highest quality products and solutions on the market.

www.neatech.it