

## Functional inspection

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### Visual inspection

Inspect lift functions regularly. Check to ensure that material is free from damage.



## Always read the instructions

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Read instructions for all assistive devices used in connection with transfers. Keep the manual where it is accessible to users of the product.

Do not leave the patient unattended during a lifting situation.

### Before use:

Make certain the lift is properly assembled.

Check Slingbar connection and safety latch function.

Check lifting function and base-width adjustment.


Under no circumstances may the lift be used by persons who have not received instruction in the operation of the lift.

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## Important Information

- The lift must be assembled according to the assembly instructions provided by Vancare.
- The lift may only be used on a level floor.
- Lifting accessories must be properly fitted and tested in relation to the user's needs and functional ability.
- Under no circumstances may the safe working load be exceeded. See section on Technical information and the product label on the lift.
- Never move the lift by pulling on the actuator! 
- The lift must not be exposed to running water.
- Batteries control unit and actuators on the lift must not come in direct contact with water.
- The lift must not be charged in a wet room or used in connection with showering and bathing.
- To ensure optimal function, the lift must be inspected regularly. See section on other maintenance details.
- Warranty applies only if repairs or alterations are made to the product by personnel who are authorized by Vancare.

## Technical information VANGO 440

<b>Lifting speed:</b>	23 mm/s without load.
<b>Batteries:</b>	Two 12V, 2,9 Ah valve-regulated, sealed, lead accumulator (gel-type batteries)
<b>Charger:</b>	Max. 400mA
<b>Motor (mast):</b>	DC 24V, 5 A, IP X4. Operationtime: 10% at maximum continuous running of 2 minutes, maximum 5 switching cycles per minute. Push: 6000N.
<b>Motor (base):</b>	24V, 5 A, IP X4. Operationtime: 10% at maximum continuous operation of 2 minutes, maximum 5 cycles per minute. Push: 3000N.
<b>Sound level:</b>	With load: upwards: 43 dB(A) downwards: 44 dB(A). Operations force for the handset: 4 N.
<b>Material:</b>	Aluminum
<b>Emergency lowering:</b>	Mechanical and electrical
<b>Castors:</b>	Front 4", 100 mm, back 4", 100mm
<b>Weight:</b>	75 lbs, 34 kg
<b>IP class:</b>	IP X4
<b>Expected lifetime:</b>	10 years
<b>Operating forces controls:</b>	Buttons on hand control: 4 N

The lift has been tested by an accredited testing institute and complies with the requirements of Council Directive 93/42/EEC of 14. June 1993 concerning medical devices



The device is intended for indoor use.



Type B, according to the degree of protection against electric shock.

# Technical Information VanGo VG450

<b>Lifting speed:</b>	34 mm/s without load.
<b>Batteries:</b>	Two 12V, 2.9 Ah valve-regulated, sealed, lead accumulator (gel-type batteries)
<b>Charger:</b>	Max. 400mA
<b>Motor (mast):</b>	DC 24 V, 10 A. IP X4. Operationtime: 10% at maximum continous running of 2 minutes, maximum 5 switching cycles per minute. Push: 10 000N.
<b>Motor (base):</b>	24 V, 3 A, IP X4. Operationtime: 10% at maximum continous operation of 2 minutes, maximum 5 cycles per minute. Push: 3000N.
<b>Sound level:</b>	With load: upwards: 74.7 dB(A) downwards: 52.6 dB(A). Operations force for the handset: 4 N.
<b>Material:</b>	Aluminum
<b>Emergency lowering:</b>	Mechanical and electrical
<b>Castors:</b>	Front 4", 100 mm, back 4", 100mm
<b>Weight:</b>	75 lbs, 34 kg
<b>IP class:</b>	IP X4
<b>Expected lifetime:</b>	10 years
<b>Operating forces controls:</b>	Buttons on hand control: 4 N

The lift have been tested by an accredited testing institute and complies with the requirements of Council Directive 93/42/EEC of 14. June 1993 concerning medical devices



The device is intended for indoor use.



Type B, according to the degree of protection against electric shock.

# Technical Information VanGo VG600

<b>Lifting speed:</b>	34 mm/s without load.
<b>Batteries:</b>	Two 12V, 2.9 Ah valve-regulated, sealed, lead accumulator (gel-type batteries)
<b>Charger:</b>	Max. 400mA
<b>Motor (mast):</b>	DC 24 V, 10 A. IP X4. Operationtime: 10% at maximum continous running of 2 minutes, maximum 5 switching cycles per minute. Push: 10 000N.
<b>Motor (base):</b>	24 V, 3 A, IP X4. Operationtime: 10% at maximum continous operation of 2 minutes, maximum 5 cycles per minute. Push: 3000N.
<b>Sound level:</b>	With load: upwards: 74.7 dB(A) downwards: 52.6 dB(A). Operations force for the handset: 4 N.
<b>Material:</b>	Aluminum
<b>Emergency lowering:</b>	Mechanical and electrical
<b>Castors:</b>	Front 4", 100 mm, back 4", 100mm
<b>Weight:</b>	86 lbs, 39 kg
<b>IP class:</b>	IP X4
<b>Expected lifetime:</b>	10 years
<b>Operating forces controls:</b>	Buttons on hand control: 4 N

The lift have been tested by an accredited testing institute and complies with the requirements of Council Directive 93/42/EEC of 14. June 1993 concerning medical devices

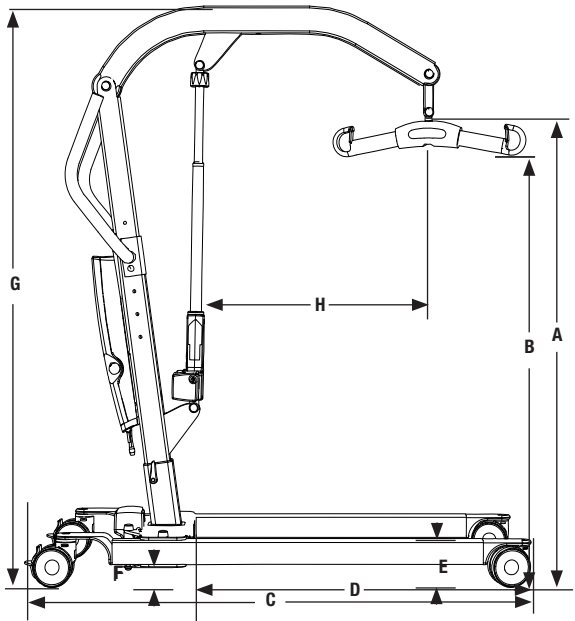


The device is intended for indoor use.



Type B, according to the degree of protection against electric shock.

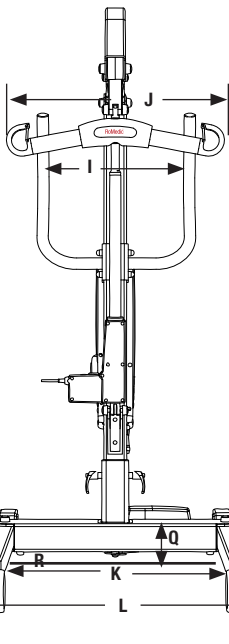
# Dimensions VanGo VG400



	A	B
A1	58-186	22.85-73.28
A2	63-191	24.82-75.25
A3	68-196	26.79-77.22
B1	50-169	19.70-66.59
B2	54-174	21.28-68.56
B3	59-179	23.25-70.53
C	130	51,22
D	88	34,67
E	11,5	4,53
F	6	2,36
G1	133-192	52.4-75.65
G2	138-197	54.37-77.62
G3	143-202	56.34-79.59
H	55	21.67

Column A measurement is in cm and weight is in kg.

Column B measurement is in inch and weight is in lbs.



	A	B
I	44	17.34
J	45	17.73
K	58.5-88	23.05-34.67
L	68.5-98	26.99-38.61
M	134	54
N	34	74.9
O	14,5	31.9
Q	27	10.64
S	41	16,1
T	22	8,7
U	45	17,7

**M** is turning diameter

**N** is total weight of lift

**O** is the weight of the heaviest component

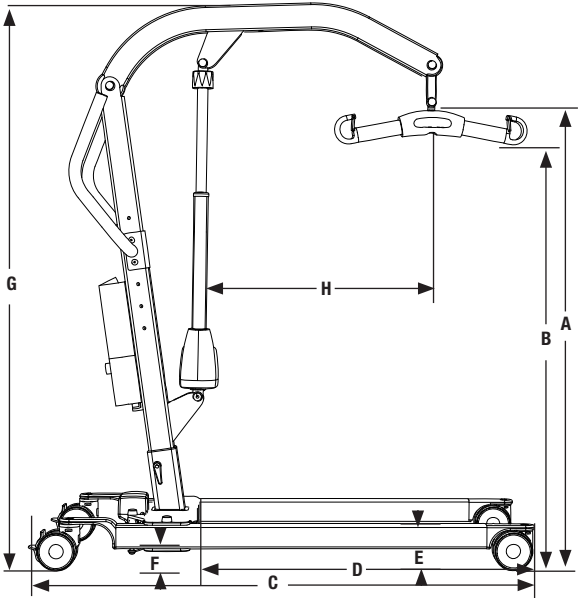
**P** is movement in forward direction

**R** is reference measure 70 cm with max legspreading

**S** is minimum distance from wall to slingbar at maximum height (legs spread).

**T** is minimum distance from wall to slingbar at maximum reach (legs spread).

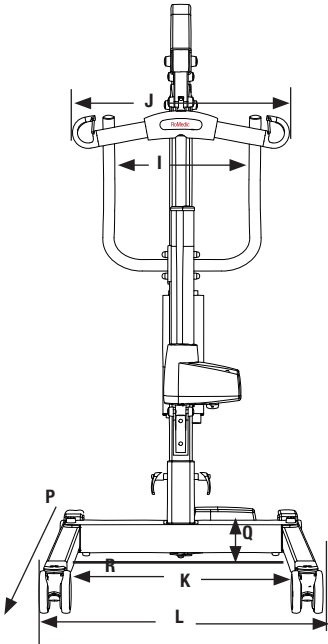
**U** is minimum distance from wall to slingbar at minimum height (legs spread).



	A	B
A1	58-186	22.85-73.28
A2	63-191	24.82-75.25
A3	68-196	26.79-77.22
B1	50-169	19.70-66.59
B2	54-174	21.28-68.56
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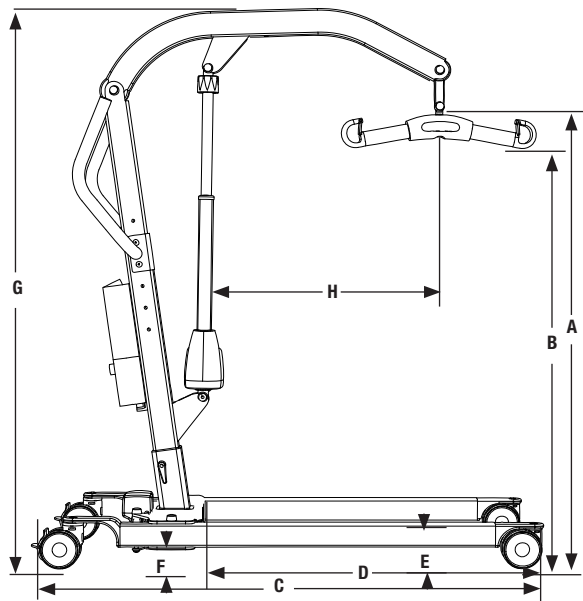
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**U** is minimum distance from wall to slingbar at minimum height (legs spread).

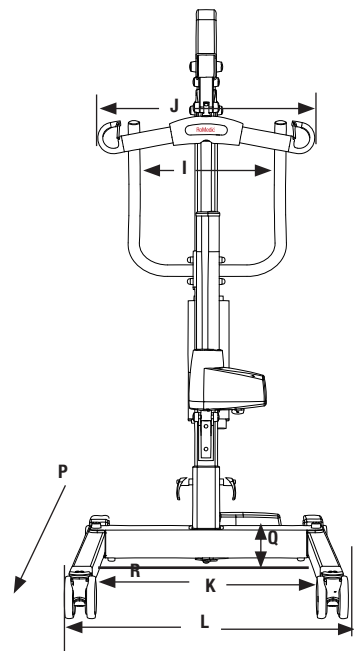
Dimensions VanGo VG600



	A	B
A1	58-186	22.85-73.28
A2	63-191	24.82-75.25
A3	68-196	26.79-77.22
B1	50-169	19.70-66.59
B2	54-174	21.28-68.56
B3	59-179	23.25-70.53
C	141	55,55
D	88	34,67
E	11,5	4,53
F	6	2,36
G1	133-192	52.4-75.65
G2	138-197	54.37-77.62
G3	143-202	56.34-79.59
H	55	21.67

Column A measurement is in cm and weight is in kg.

Column B measurement is in inch and weight is in lbs.

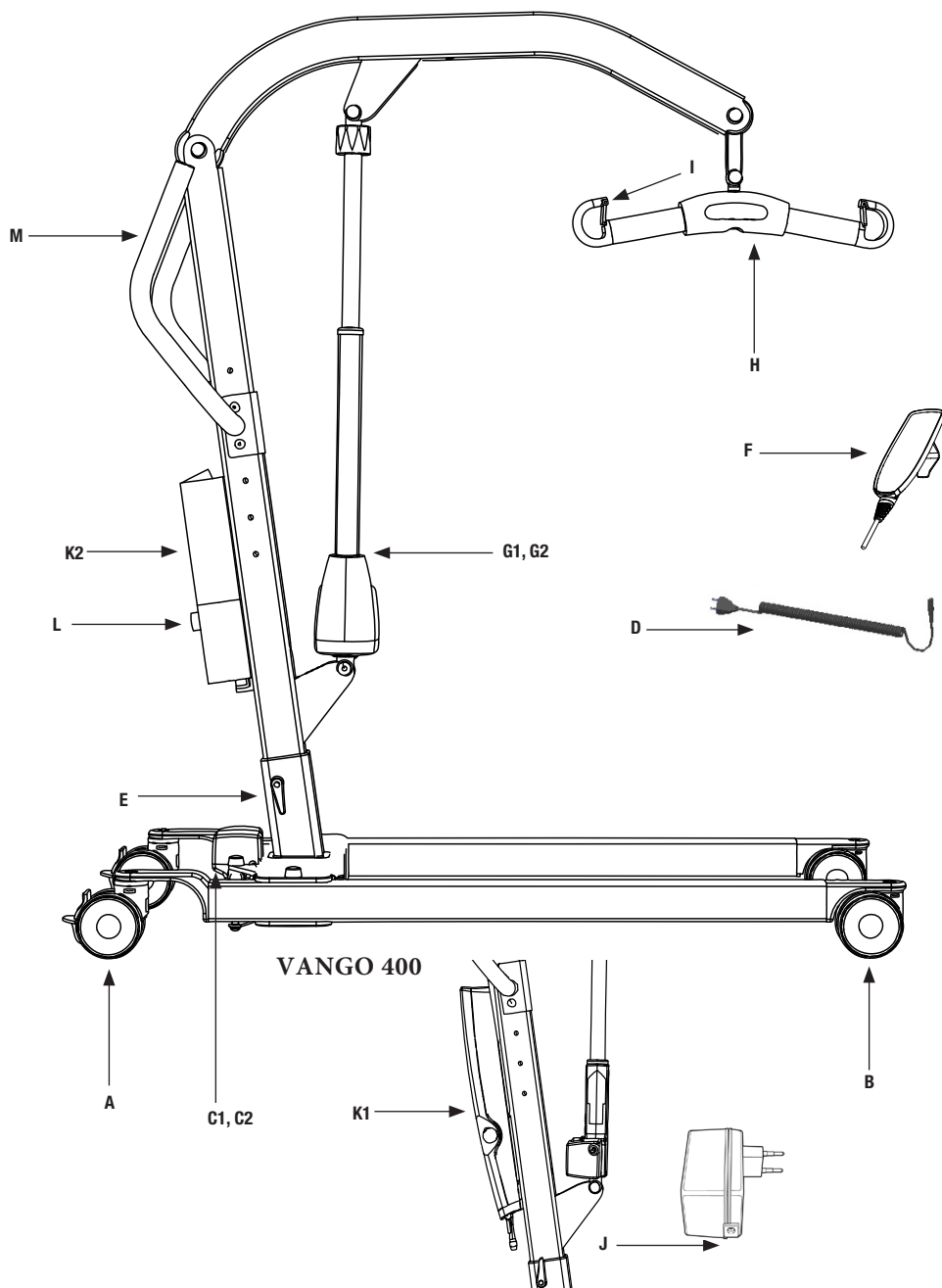


	A	B
I	44	17.34
J	45	17.73
K	65-105	25.61-41.37
L	75-115	29.55-45.31
M	134	54
N	39	74.9
O	14,5	31.9
Q	27	10.64
S	41	16,1
T	22	8,7
U	45	17,7

**M** is turning diameter  
**N** is total weight of lift  
**O** is the weight of the heaviest component  
**P** is movement in forward direction  
**R** is reference measure 70 cm with max legspreading





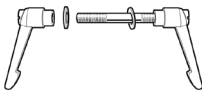
**S** is minimum distance from wall to slingbar at maximum height (legs spread).  
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**U** is minimum distance from wall to slingbar at minimum height (legs spread).

# Description of parts

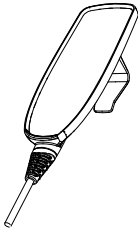
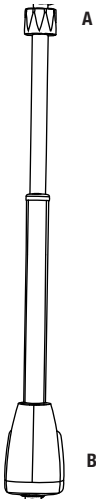







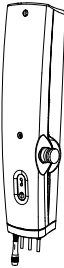
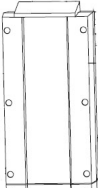
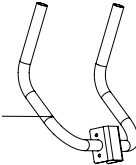
Spare parts and attachments

Pos	Articleno	Product	Unit	Assemb. parts	Parts
A	80100002	Rearcastor	2	Screw Nut	
B	80100001	Frontcastor	2	Screw Nut	
C1	80100055	Actuator leg- spreading 400	1	Screw Nut	
C2	80100056	Actuator leg- spreading 450/600	1	Bushing Washer nutcap Nutcap	
D	80100048	Cable for charger EU 450/600		1	
E	80100032	Lever	2	Treahed stud	

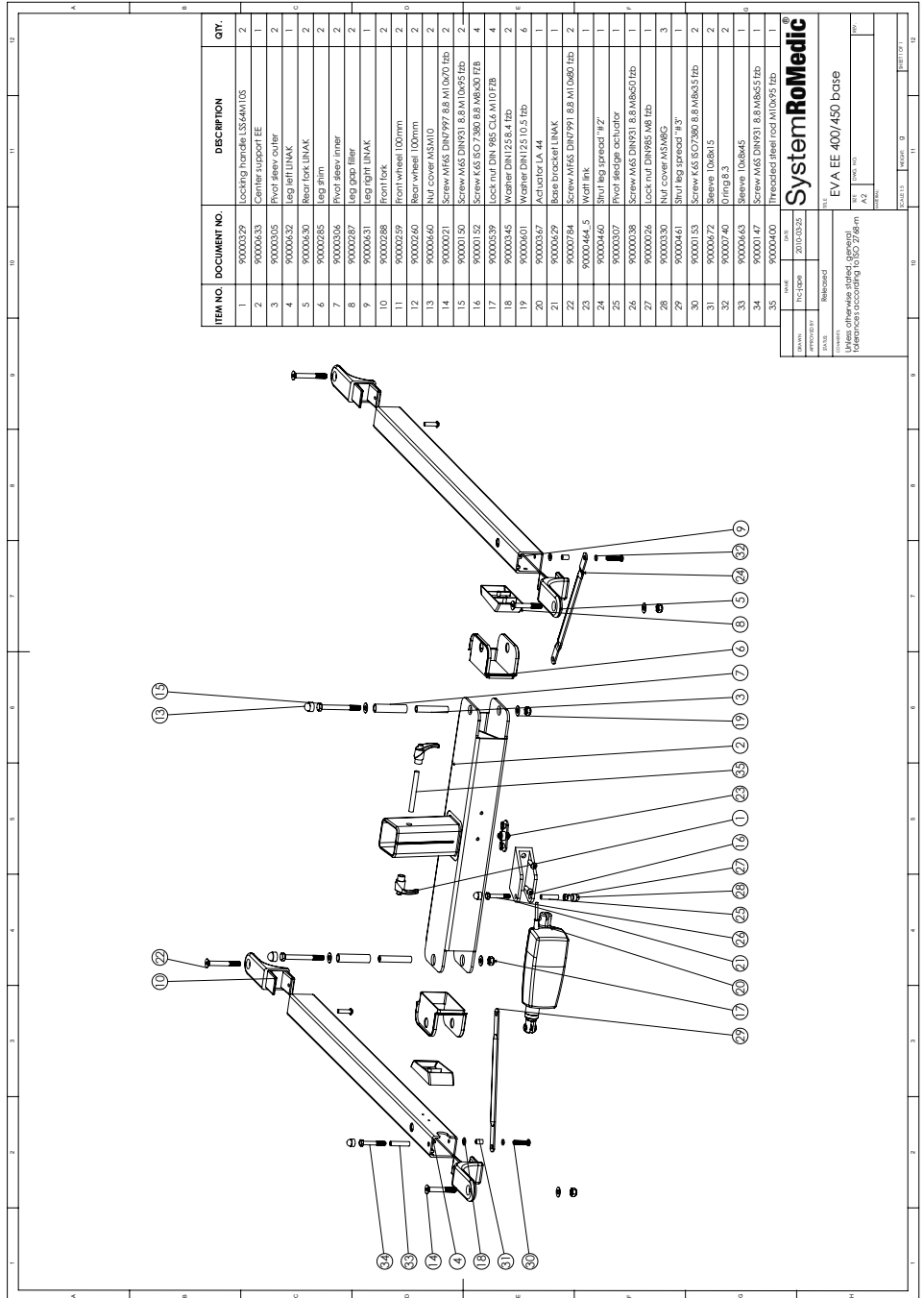
# Spare parts and attachments

Pos	Articleno.	Product	Unit	Assemb. parts	Parts
F	80100044	Handcontrol	1		
G1	80100053	Actuator 400 Mast	1	A. Screw Nut Bushing	
G2	80100054	Actuator 450/600 Mast	1	Washer nutcap Nutcap B. Screw Nut Bushing Washer nutcap Nutcap	
H	70200002	SlingBar M	1		
I	80100023	Hangerstrap-Lock	2	Screws	

Spare parts and attachments

Pos	Articleno.	Product	Unit	Assemb. parts	Parts
J	80100052	Charger EU	1	Cable for charger	 EU
K1	80100051	Controlbox 400	1	Plate Screws	 K1
K2	80100042	Controlbox 450/600	1		
L	80100043	Batterybox 450/600	1		 K2
M	80100034	Push-handlebar	1	Screw Nut Washer for nutcap Nutcap	

# Exploded view - chassies VanGo VG400/VG450



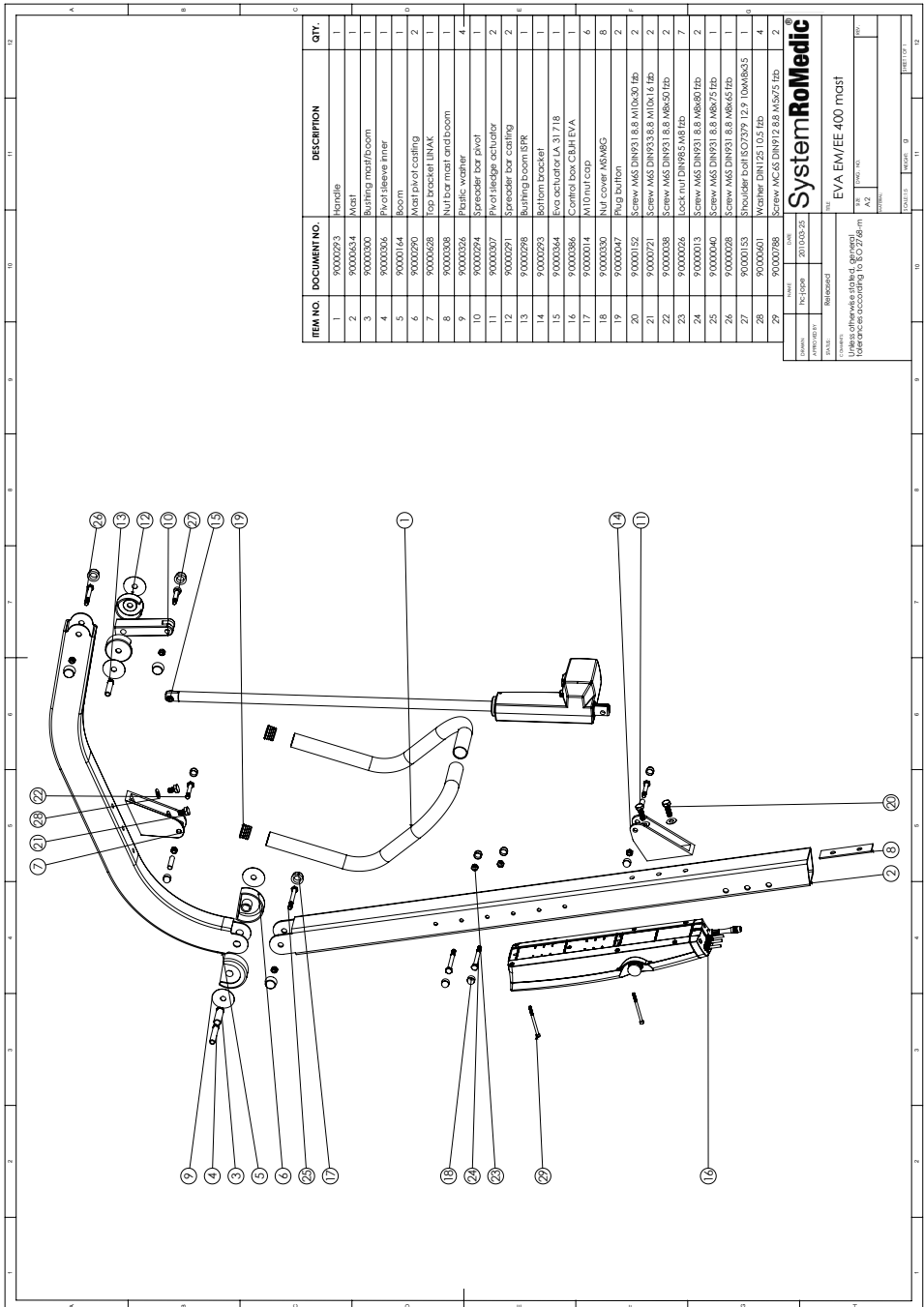
SystemRoMedic

EVA EE 400/450 base

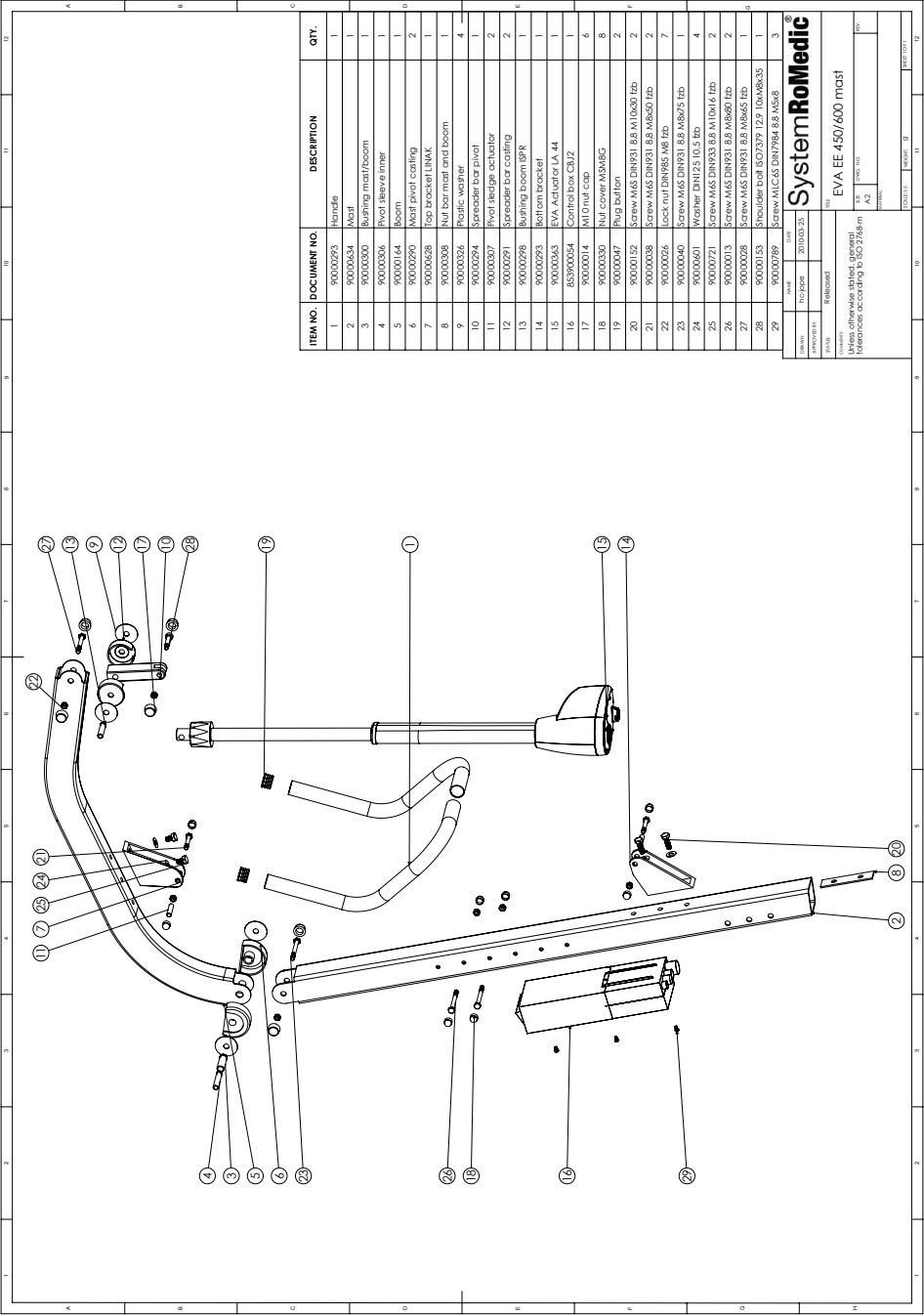
Ver. 1.00330



## Exploded view - mast and boom VanGo VG400



Exploded view - mast and boom VanGo VG450/VG600



Periodic inspection

Lift type:  
s/n:  
Version:  
Prod. Year:

Contract no:  
Name:  
Address:

Comments: 1. Attention 2. Correct 3. Do not use!

		<b>Chassie</b>	
		Check for visible damage	
		Check:	
A		Castors	
B		Brakes	
C		Legspreading	
		<b>Mast</b>	
		Inspect the mast	
		Check:	
D		Locking handles	
E		Lift arm hardware etc	
F		Link	
G		Slingbar and the function of the safety latches	
H		Mast actuator	
I		Battery and cable installations	
J		Handcontrol	
K		Emergency stop	
L		Emergency lowering	
M		Charging	
N		Product lable	
		<b>Test of max. load</b>	
		Max. load test mast	
		Max. load test base	
		Mechanical emergency lowering	
		<b>Accessories</b>	
		<b>Documentation</b>	
		Instructions / manuals	

In accordance whith ISO 10535:2007 Annex A-Periodic inspection

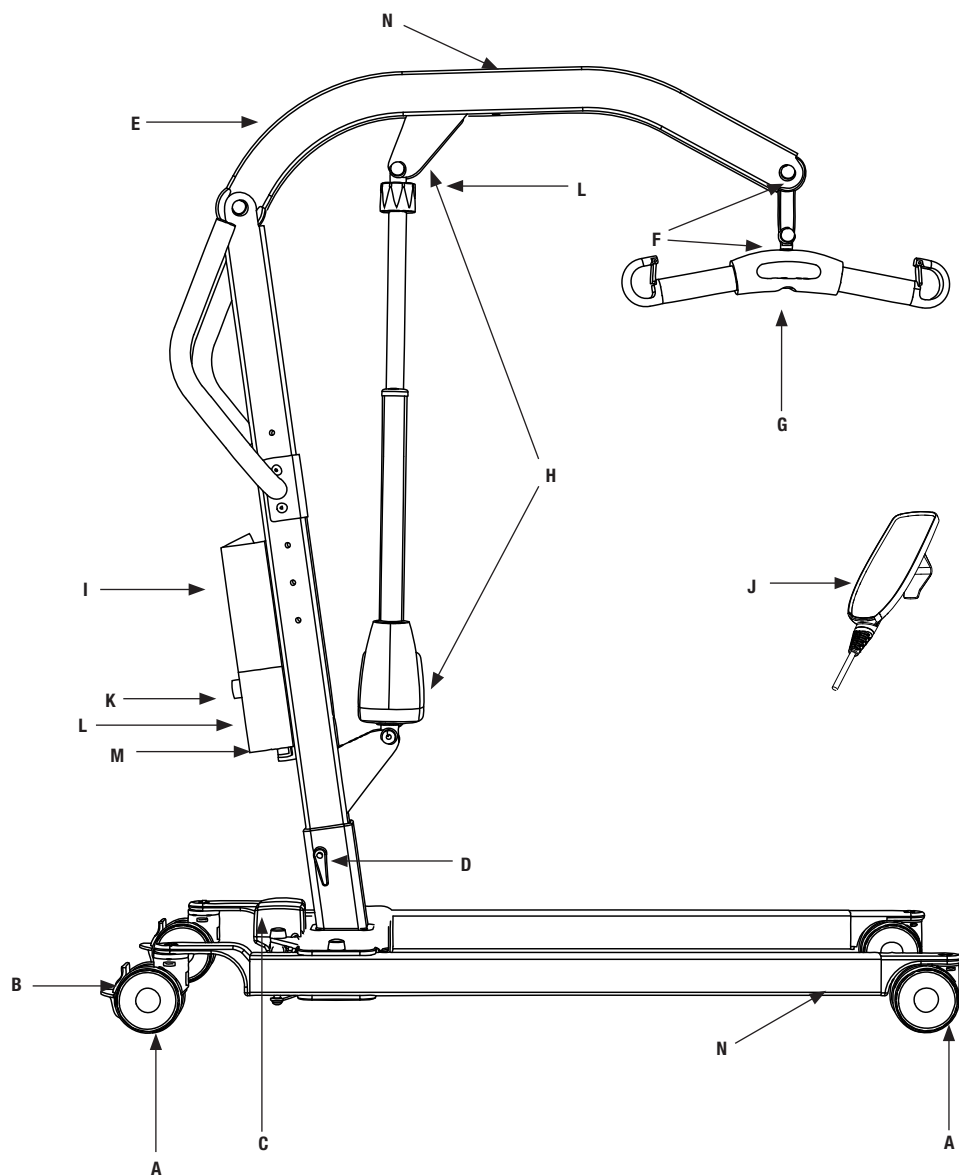
Date: \_\_\_\_\_

Load test weight: \_\_\_\_\_

Serviced by: \_\_\_\_\_



# Description for periodic inspection



## Periodic inspection

### Instruction:

#### Check the base

- Check the base for visible damage to the surfaces, finish, etc.

#### Castors

- Roll the lift unloaded on the floor, check that the castors roll and turn freely.
- Check that the castor fasteners are tight.

#### Brakes

- Lock the brakes. Check that the castors do not turn when the lift is pushed.

#### Check the legspreading actuator

- Check the legspreading actuator for visible damage to the surfaces, finish, etc.
- Check screws, bolts and links etc.

#### Check the mast

- Check the mast for visible damage to the surfaces, finish etc.
- Check screws, nuts, bolts etc.

#### Locking handles

- Check the locking handles. Verify that threads are not damaged or binding.

#### Liftarm, hardware

- Check the liftarm for visible damage to the surfaces, finish etc.
- Check screws, nuts, bolts etc.

#### Link

- Check the link, slingbar to mast, hardware and covers.
- Check screws, bolts and links etc.

#### Slingbar and safety latch function

- Check to ensure that there is no visible wear or damage.

#### Check the mast actuator

- Verify that the upper and lower actuator fasteners to the mast are tight.
- Visual inspection.
- Check of abnormal noise level.

## Periodic inspection

### Instruction:

#### Check battery and electrical cable.

-Verify that all cables are properly inserted.

#### Controlbox

-Verify that all functions on the control panel are working

#### Handcontrol

-Verify that all functions on the handcontrol are working.

#### Emergency stop

-Verify that the lift does not operate when emergency stop is pressed in.

#### Emergency lowering

-Verify the function of emergency lowering.

#### Charging

-Verify that charging is operating. Yellow lamp on the controllbox should light up when charging.

#### Product lable

- Check the serial number so that the label is there and readable. Note the serial number on the protocol.

#### Max. load test

Mast max. load

-Run the lift with maximum load, all the way up and down, listen for peculiar noises and vibrations.

Base max. load

-Widen the base with maximum load, listen for peculiar noises and vibrations.

#### Accessories

-Check the accessories to the lift.

#### Documentation

-Instruction / Manual

## Trouble-shooting

**If the lift is not working properly (up or down), check the following:**

- The emergency stop device is not pressed in.
- All cables are properly connected.
- The battery charges via the adaptor.

**If the lift is not working properly, contact your local distributor.**

**The lift can be raised but not lowered (or vice versa), or the base-width adjustment only works in one direction. Check the following:**

That all cables are properly and securely connected. Pull out the contact and plug it in again firmly.

**If the lift makes unusual noises:**

Try to locate the source of the sound, take the lift out of operation .

## Final inspection

Inspect the lift for signs of wear and damage. Check all four castors and castor brakes.

Check all connections and fixtures including screws and bolts. Check the packaging to ensure that there are no loose parts.

Check emergency stop function by depressing the emergency stop, and then pressing either the up or down button. If nothing happens when the up or down buttons are pressed, the emergency stop is functioning properly.

Grasp the hand control, press the up button and run the lift arm all the way up. Then, press the down button and run the liftarm all the way down.

Test base-width adjustment function by pressing the button for base-width adjustment. Widen the base to max. width and then press the other button to narrow it again.

Test lift function by lifting a person (not a user) using an approved sling. At the same time, check the emergency lowering function with someone in the lift, see section on Emergency lowering.

If the equipment is satisfactory upon inspection, connect the charger to the lift and to a power outlet, and then check to ensure that the charging lamp on the control box lights up.

### NOTE!

Before the lift is used for the first time, it must be charged for at least 4 hours. See section on Charging batteries.

Keep the manual where it is accessible to users of the product.

# Maintenance

The lift must undergo thorough inspection at least once per year. Inspection must be performed by authorized personnel and in accordance with Vancare's service manual.

Repairs and maintenance may only be done by authorized personnel using original spare parts.



Spent batteries are to be left at the nearest recycling station.

## Cleaning/disinfection

When necessary, clean the lift with warm water or rubbing alcohol and ensure that the castors are free of dirt and hair.

Do not use cleaning agents containing phenol or chlorine, as this may damage aluminum and polyamide materials.

## Storage

If the lift is not to be used for some time or e.g., when transporting, we recommend the emergency stop button to be pushed in. Store the lift at a temperature exceeding freezing and at normal relative humidity (about 60%).

For more information on your VanGo lift and accessories, please call 1-800-694-4525 for your nearest distributor. Or go to our website at [www.vancare.com](http://www.vancare.com) for more information.

Manufactured for:

**VANCARE<sup>®</sup>**  
We move body and mind

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