LIFTING TECHNOLOGY
MOBILE COLUMN LIFT

C_RGA 8.5 UC
VP 451196

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The new mobile column lift model C_RGA with proven electromechanical drive is completely oil-free and thus requires extremely little maintenance. If a nut happens to break, the sophisticated technology and the safety wedge ensure high mechanical safety when lifting wheel loads of up to 8.5 t per column. The high-quality worm gear motor with brake delivers precise vertical positioning without overtravel. Handling is comfortable and practical – thanks to its optimised and slim column design, the C_RGA offers a good overall view when manoeuvring it. The optimised chassis enables the machine to be moved with the smallest turning radius. Operation is LED-guided and intuitive. Data communication between the individual columns takes place wirelessly and interference-free via radio. The lift has a unique design using a lithium-ion battery to ensure its power supply. The daisy chained charging cables also serve as a backup for the data connection and provide a dual-layered network in the event of a malfunction.

PRODUCT DETAILS/ACCESSORIES

COMFORT variant - options selectable
(Colour/preparation column 8+8)
- RAL 7040 -

Description:
- Mobile, wireless wheel lift with energy supply via powerful rechargeable lithium-ion batteries
- High running smoothness and exact heightpositioning without overtravel due to high-quality and maintenance-free worm gear motor
- High efficiency and low wear due to smooth-running and low-maintenance recirculating ball nut with more than 100 balls
- Recirculating ball spindle suspended in maintenance-free roller bearing
- Outstanding mechanical rigidity of lifting columns due to tried-and-tested H-profile
- Safety in the event of support nut breakage due to mechanically independent catch wedge
- Adjustable lift carriage with positive locking device of forks; securing by means of folding cotter pin
- Hydraulic dolly for easy manoeuvring even over higher ground thresholds
- Minimal turning radius due to optimised design
- Goodoverview when manoeuvring due to very slim column
- Modern LoRa® radio modulation - failure- and interference-free
- Automatic channel hopping selection of a suitable, free radio channel through the system - one free radio channel 2.4 GHz (W-LAN) required
- Intelligent control technology makes it possible to use an unlimited number of column groups per site
- Operating modes All/Single/Group safely selectable via individual buttons
- Display of operating statesand error codes via LED
- High lifting and lowering speed can be selected via separate, additional button - load-dependent
- Automatic switch-off in case of overload
- Workshop robust and splash-proof plastic operating enclosure on each column
- Large silicone control buttons - mechanical and focused on use in workshops
- Excellent protection for cables due to guidance within a high-quality energy chain
- Height measurement via contactless, wear-free inductive proximity switches
- Simple and secure pairing of lifting columns by means of NFC tag
- Unique energy supply by means of lithium-ion battery integrated into the operating enclosure - very long lifespan and short charging time
- Universal lifting carriage with a large adjustment range - also suitable for very large wheel diameters
- Low chassis and high mobility due to integrated lithium-ion battery in the control unit. This enables optimised positioning even onvehicles with low ground clearance
- Chassis with integrated forklift pockets easy movement of columns over longer distances on site
- Two antennas, one each at top and bottom, ensure a reliable radio connection, even for vehicles with large cubic bodies
- Unique and double safety. If the radio connection is interrupted, the batteriesÿÿ charging cable can be used for data transmission to guarantee continuously uninterrupted operation
- By means of an optional connecting cable, two groups of 8 columns each can be connected, thus expansion to as many as 16 columns (hardware requirements available, software on request)
- High-quality powder coating:
  - window grey, RAL 7040 (columns)
  - anthracite grey, RAL 7016 (lifting carriage)

Scope of delivery:
- 1 mobile single column with 1 lithium-ion battery
- 1 NFC tag for pairing the lifting columns
- 1 hydraulic dolly
- Operating instructions
- Declaration of conformity
- Transportpackaging
- Charging- and connecting cable optional

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TECHNICAL DATA

Load capacity CE per column	8500 kg
Drive power per column	1.5 kW
Weight per column	525 kg
Width of column profile	180 mm
Width of chassis	1150 mm
Height of chassis	131 mm
Full travel	1700 mm
Lifting height (upper edge of lifting carriage)	1800 mm
Overall height of column	2474 mm
Lifting/Lowering time (load-dependent)	140 s
Lifting/Lowering time High speed (load-dependent)	81 s
Inner distance of support forks min. - max.	290 - 680 mm
Tyre diameter min. - max.	550 - 1500 mm
Length of support forks	380 mm
Voltage for charger	1 x 100-230 V AC 50/60 Hz
Fuse	B 16A RCD (30 mA)
Power supply (standard)	LiIon 50.4 VDC/1573 Wh
Lifting cycles under partial load	30
(3500 kg, w/o high speed option)	
Lifting cycles under full load (w/o high speed option)	15
Protection rating	IP 54

ACCESSORIES

VZ 990515	NFC tag (1 pce)
VZ 990517	Charging cable 10 m with power plug 230 V, CEE 7/7, type E+F -almost total Europe- (1 pce)
VZ 990518	Charging cable 10 m with power plug 230 V, Switzerland type J (1 pce)
VZ 990519	Charging cable 10 m with power plug 230 V, UK, type G/BS1363 (1 pce)
VZ 990520	Connecting cable 10 m for charging (Daisy Chain) and backup data connection
VZ 990521	Connecting cable 15 m for charging (Daisy Chain) and backup data connection
VZ 990522	Connecting cable 20 m for charging (Daisy Chain) and backup data connection
VZ 971651	Preparation column 8+8 for group from 9 to max. 16 columns -EXTRA CHARGE PER C.-
VZ 990523	Connecting cable 10 m 8+8 for group from 9 to max. 16 columns (1 pce)
VZ 971164	Support stand AB 6-07, load capacity 7500 kg adjustment range 470-795 mm
VZ 971165	Support stand AB 6-12, load capacity 7500 kg, adjustment range 875-1395 mm, mobile
VZ 971166	Support stand AB 6-20, load capacity 7500 kg, adjustment range 1200-1965 mm, mobile
VZ 971287	Support plate APR II round, pluggable, for support stand AB 6-07/12/20
VZ 971288	Support plate APRV II round, adjustable, for support stand AB 6-07/12/20
VZ 971289	Support plate APV II square, for support stand AB 6-07/12/20
VZ 971290	Support plate APVV II square, adjustable, for support stand AB 6-07/12/20
VZ 971168	Spindle adjustment SP 75 for support stand AB 6-07/12/20
VZ 971310	Transverse beam for support of semi-trailers with 2 kingpin
VZ 971546	Traverse beam TR8 32 (3-piece), load capacity 8t
VZ 971347	Transverse beam TR10-32 (3-piece), load capacity 10t
VZ 971341	Traverse and adapter set Tractor mount for front and rear lifting
VZ 995767	Special painting Mobile column lift per column Components: column -NET

SUPPLEMENTARY CHARGES

VT 998213	Transport factory traffic -Germany SOUTH- C_RGA 1 column
VT 998214	Transport factory traffic -Germany NORTH- C_RGA 1 column

VM 996077 Installation costs for mobile column lifts