



TGT

you'll never work alone

CONTACT



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YOUR HIGHER-STANDARDS PARTNER

We make your work easier: TGT is the specialist for lifting equipment, cranes and lifts that facilitate assembly at great heights and with heavy materials. Our products are powerful and versatile in-house developments. They are based on decades of experience in glass and facade technology – which we were one of the first companies in Germany to bring to market.

We make your work more efficient: Lifting solutions from TGT relieve employees of physically demanding transports and installations – all while making work processes faster and safer at the same time. Thanks to functional accessories and individual special designs, our products grow with your requirements.

Real quality means that the customer comes back – not the product! We focus on long-term partnerships: Even after delivery, TGT offers customised customer service – anywhere in the world. Word has gotten around: Our lifting equipment, cranes and lifts are in use from Europe to Asia.

Climb up higher with us!



Heinz Teupen



Magnus Teupen

WHY CUSTOMERS RELY ON TGT SOLUTIONS

Individual engineering

The TGT specialist engineers are constantly developing all series further, adapted to practical customer wishes and challenges.

Exclusive production

All product solutions are manufactured by long-term partners at three European locations – selected by TGT, exclusively for TGT.

Compact design

All TGT series have van or trailer dimensions and a low dead weight for maximum mobility – without any complex logistics!

Easy operation

After just a few minutes of instruction, each TGT unit can be operated by just one person – without any permit or driving licence!

Certified safety

TGT units comply with European quality and safety guidelines and are CE certified. The suction units of the TGT series are equipped with powerful, double-acting vacuum pumps certified according to EN 13155.

Low downtime

The TGT unit series and components are designed to be durable and low-maintenance when operated according to instructions – for efficient use and an early ROI.

Worldwide maintenance

With sales and service partners around the world, TGT ensures fast maintenance – often even within a few hours.

Flexible customer service

TGT offers flexible maintenance contracts and undertakes necessary service work and UVV inspections with long-standing partners.

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ROBBY SERIES

Powerful and compact for indoors and outdoors

Just as flexible and mobile as you need it to be: The wheel and track units of the Robby series from TGT manipulate gas-tight elements on construction sites or in production, for example glass, lead glazing, sheetrock, corrugated plates or sandwiched panels — at a height of up to seven metres, with a load capacity of up to 1700 kilograms and full pick & carry function.

Innovative technology also allows maximum flexibility in use: elements can be fitted manually thanks to flex joints and spring-loaded suction discs, and the side-shift function allows the Robby superstructure to be moved up to 10 centimetres in any direction without moving the unit itself. Axes that can be rotated through 90 degrees enable wheel-guided Robby series units to be turned on the spot. With a tare weight from 480 kilograms and compact dimensions, Robby units from TGT can even fit into regular vans.



Robby 600



WHEEL DRIVE

ROBBY 280

ROBBY 420

ROBBY 420 XL

ROBBY 600

ROBBY 600 XL

Dead weight

484 kg

700 kg

740 kg

860 kg

924 kg

Load capacity

280 kg

420 kg

420 kg

600 kg

600 kg

Working height

2.70 m

2.60 m

3.40 m

2.90 m

3.50 m



CHAIN DRIVE

ROBBY 900 S

ROBBY 900

ROBBY 900E

ROBBY 900 XL

ROBBY 2000

Dead weight

1200 kg

1200 kg

1200 kg

2000 kg

2000 kg

Load capacity

900 kg

900 kg

900 kg

900 kg

1700 kg

Working height

5.40 m

5.40 m

5.40 m

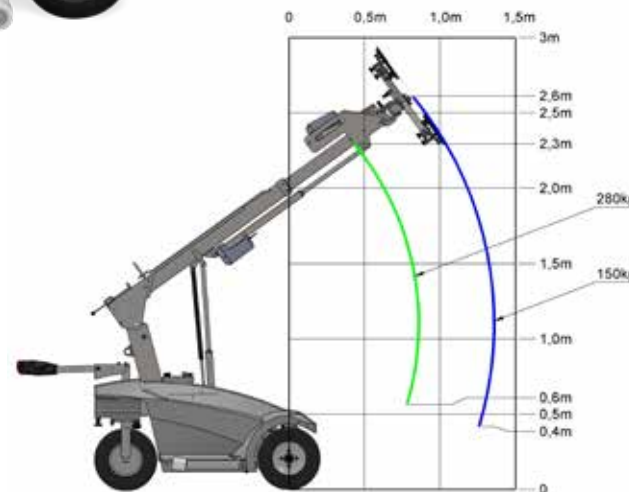
7.30 m

7.40 m

ROBBY 280



Dead weight	484 kg
Length	1890 mm
Width	800 mm
Height	1396 mm
Load capacity	280 kg
Working height	2.70 m



Suction disc	4 x 270 mm
Lateral shift	100 mm
Rotation range	360 °
Swivel range	180 °
Period of use	up to 16 hours
Telescoping length	700 mm
Load current	230 V (110 V possible)
Charger	Cetek XT 14000
Charging time	approx. 8 hours
Battery	2 x 12 Volt
Wheel drive	700 Watt AC
Speed	infinitely variable adjustment
Brake	electric
Vacuum	2 vacuum pumps according to EN 13155

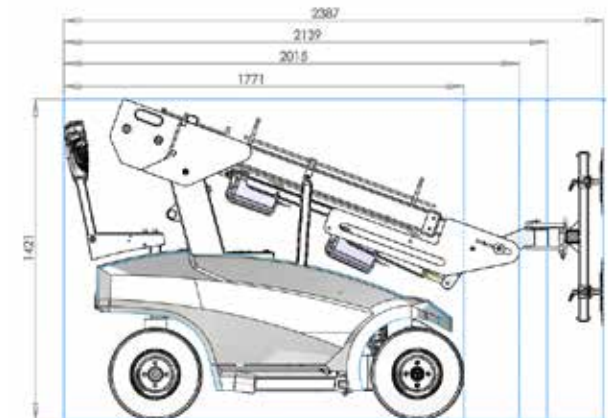
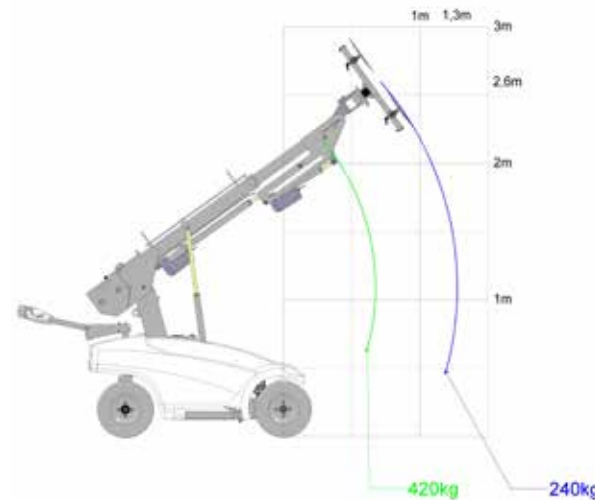


ROBBY 420

Suction disc	4 x 300 mm
Lateral shift	100 mm (every direction)
Rotation range	360 °
Swivel range	180 °
Period of use	up to 16 hours
Telescoping length	600 mm
Load current	230 V (110 V possible)
Charger	Cetek XT 14000
Charging time	approx. 8 hours
Battery	2 x 12 Volt
Wheel drive	1,000 Watt AC
Speed	infinitely variable adjustment
Brake	electric
Vacuum	2 vacuum pumps according to EN 13155



Dead weight	700 kg
Length	2139 mm
Width	800 mm
Height	1421 mm
Load capacity	420 kg
Working height	2.60 m



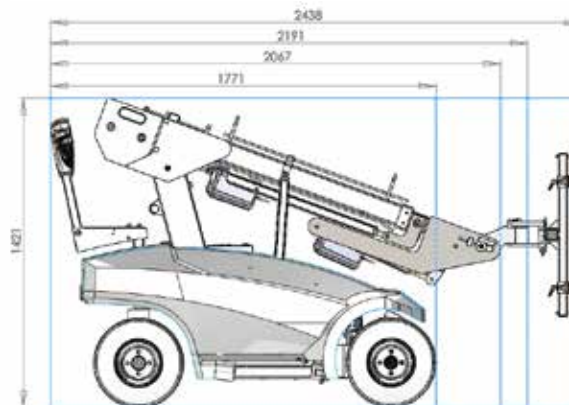
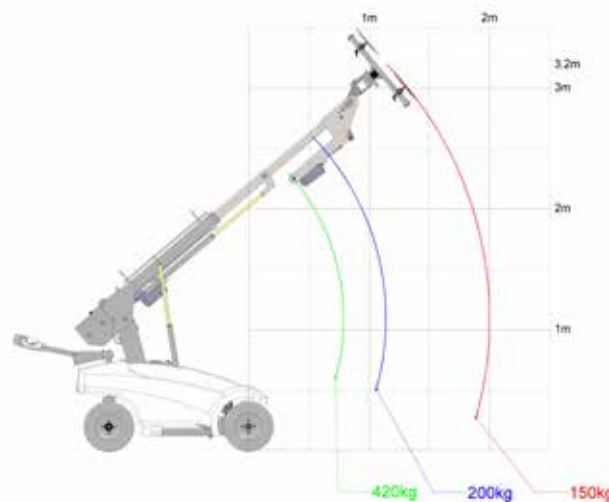
ROBBY 420 XL



Dead weight	740 kg
Length	2191 mm
Width	800 mm
Height	1421 mm
Load capacity	420 kg
Working height	3.40 m

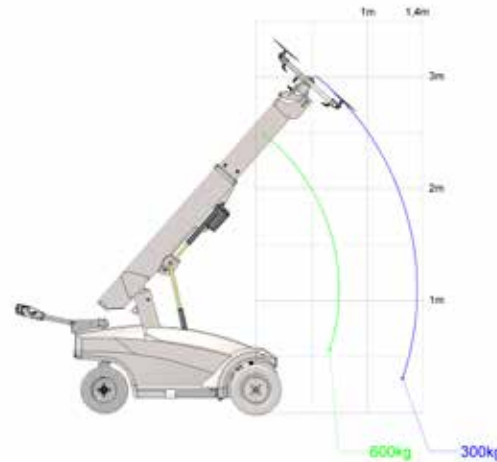


Suction disc	4 x 300 mm
Lateral shift	100 mm (every direction)
Rotation range	360 °
Swivel range	180 °
Period of use	up to 16 hours
Telescoping length	2 x 600 mm (second manually)
Load current	230 V (110 V possible)
Charger	Cetek XT 14000
Charging time	approx. 8 hours
Battery	2 x 12 Volt
Wheel drive	1,000 Watt AC
Speed	infinitely variable adjustment
Brake	electric
Vacuum	2 vacuum pumps according to EN 13155



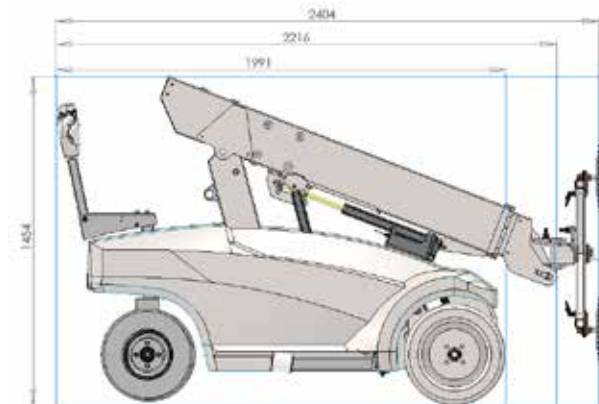


Suction disc	4 x 400 mm
Lateral shift	100 mm (every direction)
Rotation range	360 °
Swivel range	180 °
Period of use	up to 16 hours
Telescoping length	600 mm
Load current	230 V (110 V possible)
Charger	Cetek XT 14000
Charging time	approx. 8 hours
Battery	2 x 12 Volt
Wheel drive	2,000 Watt AC
Speed	infinitely variable adjustment
Brake	electric
Vacuum	2 vacuum pumps according to EN 13155



ROBBY 600

Dead weight	860 kg
Length	2216 mm
Width	800 mm
Height	1454 mm
Load capacity	600 kg
Working height	2.80 m



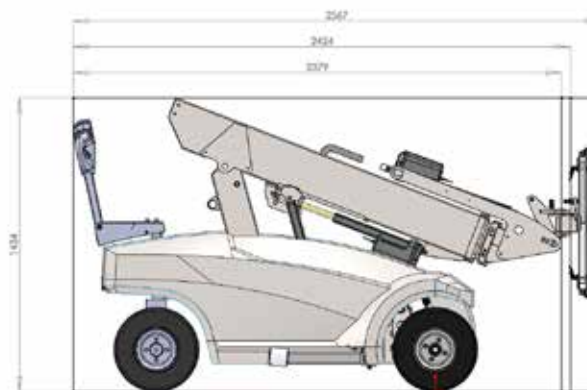
ROBBY 600 XL



Dead weight	924 kg
Length	2424 mm
Width	800 mm
Height	1454 mm
Load capacity	600 kg
Working height	3.50 m

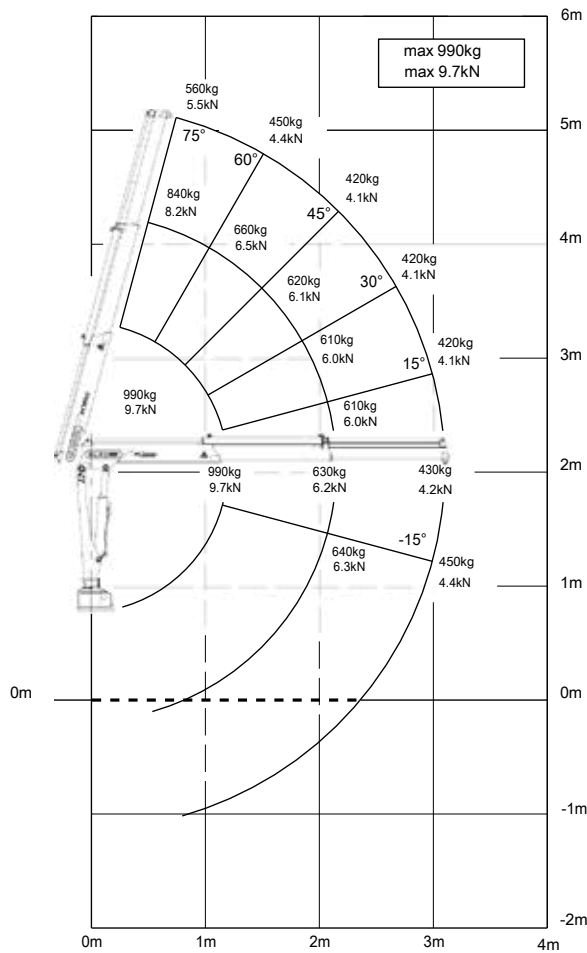


Suction disc	4 x 400 mm
Lateral shift	100 mm (every direction)
Rotation range	360 °
Swivel range	180 °
Period of use	up to 16 hours
Telescoping length	2 x 600 mm (electric)
Load current	230 V (110 V possible)
Charger	Cetek XT 14000
Charging time	approx. 8 hours
Battery	2 x 12 Volt
Wheel drive	2,000 Watt AC
Speed	infinitely variable adjustment
Brake	electric
Vacuum	2 vacuum pumps according to EN 13155





ROBBY 900 S

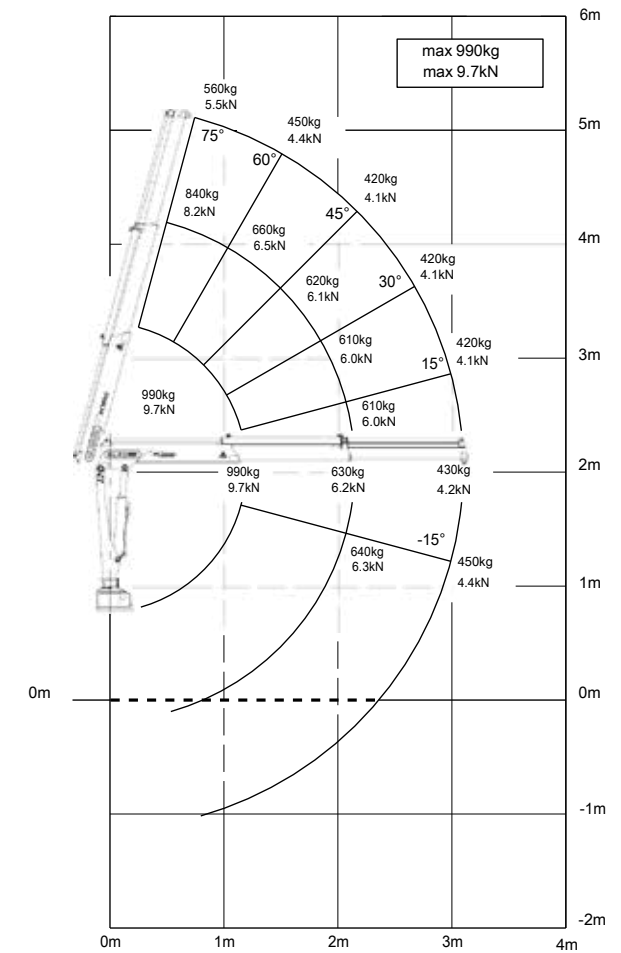


Dead weight	approx. 1200 kg	Extensions	fully hydraulic
Length	2400 mm	Working height	4.50 m
Width	780 mm	Working height with flyjib	5.40 m
Height	1750 mm	Telescopic chassis	780 - 1020 mm
Load capacity	900 kg	Speed	1.5 - 2.2 km/h
Crane height	Palfinger PC 1500	Motor	Honda GX 390

ROBBY 900



Flyjib



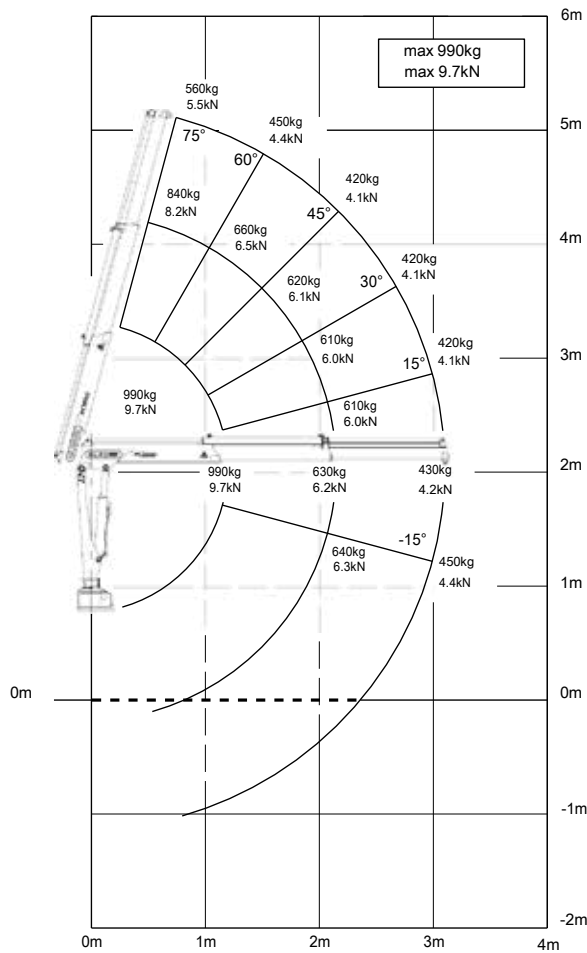
Dead weight	approx. 1200 kg
Length	2400 mm
Width	1200 mm
Height	1750 mm
Load capacity	900 kg
Crane height	Palfinger PC 1500

Extensions	fully hydraulic
Working height	4.50 m
Working height with flyjib	5.40 m
Telescopic chassis	1200 - 1800 mm
Speed	1.5 - 2.2 km/h
Motor	Honda GX 390



ROBBY 900 E

100 % EMISSION-FREE



Dead weight	approx. 1200 kg
Length	2200 mm
Width	780 mm
Height	1750 mm
Load capacity	900 kg
Crane height	Palfinger PC 1500

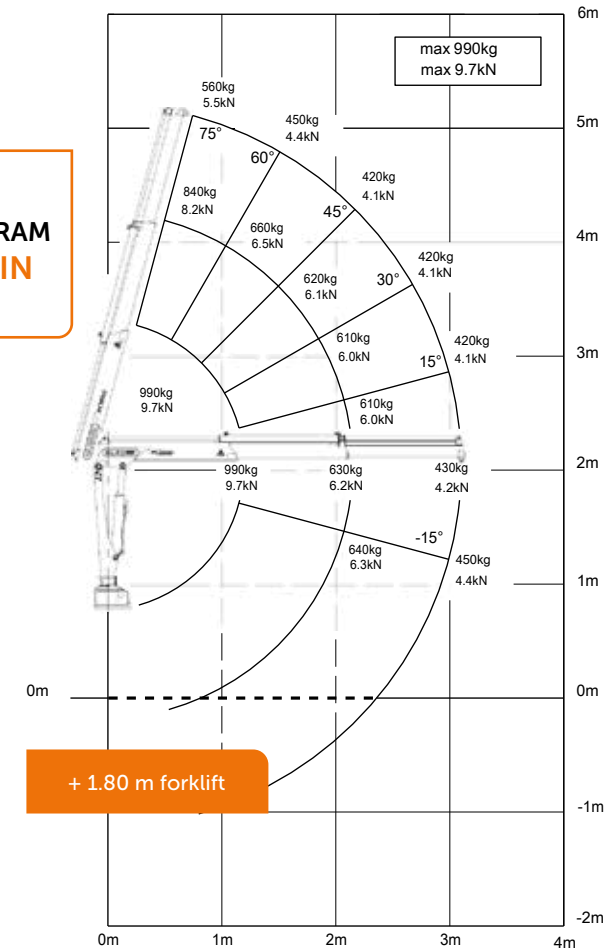
Extensions	fully hydraulic
Working height	4.50 m
Working height with flyjib	5.40 m
Telescopic chassis	780 - 1020 mm
Speed	1.5 - 2.2 km/h
Motor	Electric motor

ROBBY 900 XL



2-IN-1

CRANE
+ 2,000 KILOGRAM
**ALL-TERRAIN
FORKLIFT**

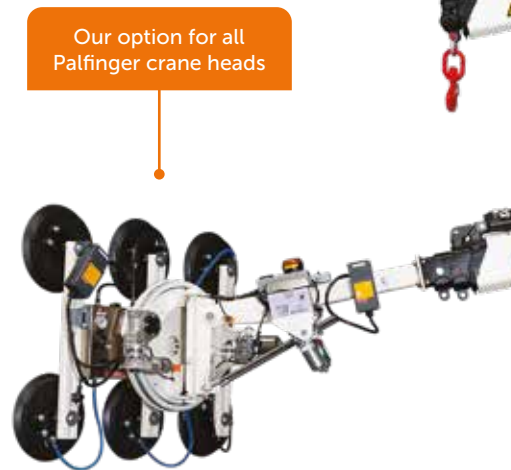
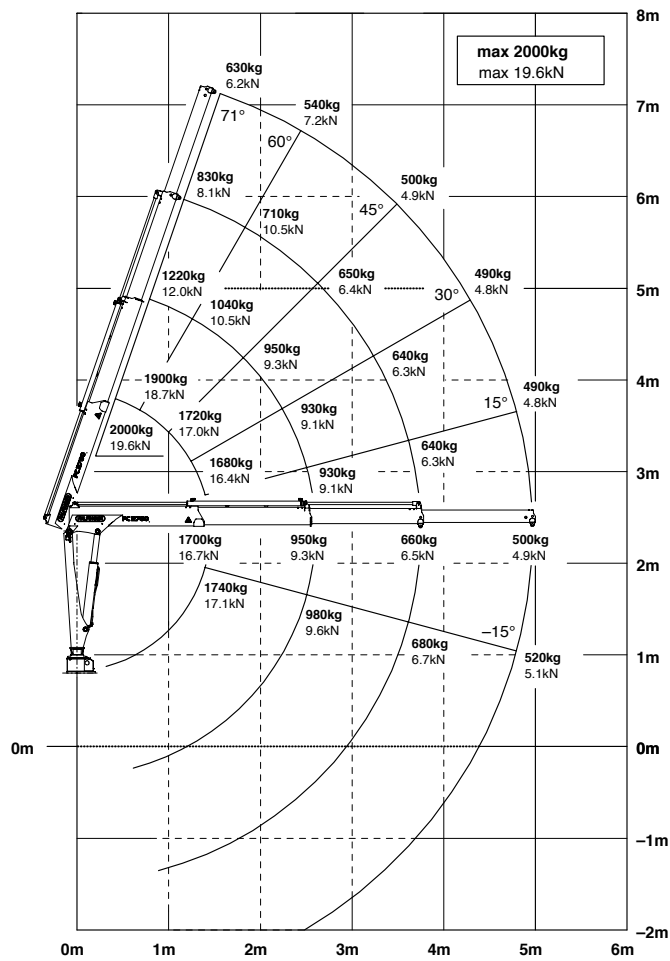


Dead weight	approx. 2000 kg
Length	2400 mm
Width	1278 mm
Height	1872 mm
Load capacity	900 kg
Crane height	Palfinger PC 1500

Extensions	fully hydraulic
Working height	6.30 m
Working height with flyjib	7.40 m
Telescopic chassis	1200 - 1800 mm
Speed	1.5 - 3.3 km/h
Motor	Vanguard (34 HP)



ROBBY 2000



Our option for all Palfinger crane heads



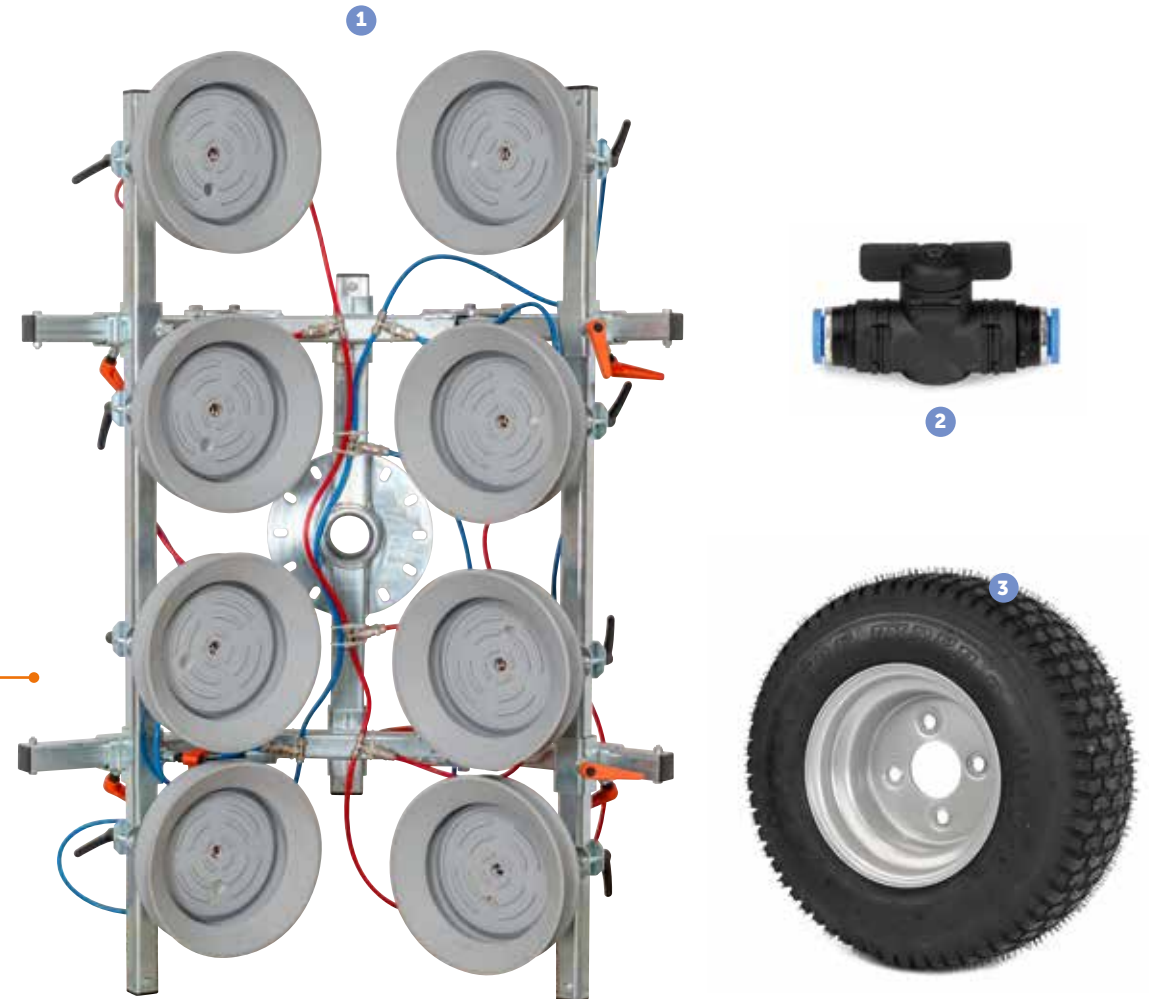
Dead weight	approx. 2000 kg	Extensions	fully hydraulic
Length	2400 mm	Working height	6.40 m
Width	1200 mm	Working height with flyjib	7.40 m
Height	1750 mm	Telescopic chassis	1200 - 1800 mm
Load capacity	1700 kg	Speed	1.5 - 3.3 km/h
Crane height	Palfinger PC 2700	Motor	Vanguard (34 HP)

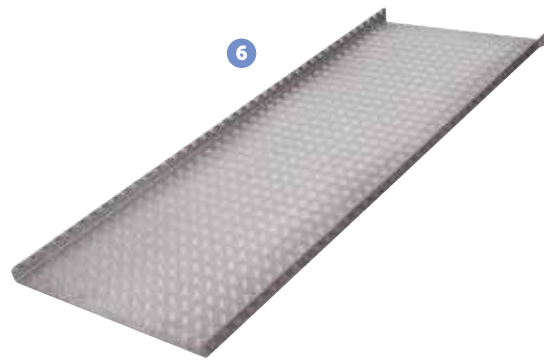
ACCESSORIES

- 1 **Suction crossbar** for convex and concave glass (for Robbys from 600 series)
 - 2 **Check valve** for suction disc and suction circuit
 - 3 **Solid rubber tyres**, puncture-proof
 - 4 **Radio-controlled operation** for wireless operation of all unit functions
 - 5 **Tyre covers** protect floor coverings of interiors
 - 6 **Access ramps** for easy loading of wheeled and tracked implements
 - 7 **Protective caps** for suction discs, Ø 40 cm and Ø 30 cm
 - 8 **Boom** (galvanised) for mounting with freely suspended suction units
 - 9 **Load hooks** (galvanised) for loads up to 420 or 600 kg
 - 10 **Adapter** for suction discs, extends the tilting range
- + **Protective hood** for effective protection of equipment outdoors

Suction disc

- Flex joints integrated as series standard
- Available in various plate sizes
- Designed for various materials
- Individual special designs possible







Robby 420



RoboCrane 1400



Hermes 900



Highcrane 1000



Robby 900S

CRANELINE SERIES

First-class multi-talent for outdoors and indoors

Equipped for all your requirements: the Craneline series combines TGT three powerful lifting devices with a lifting capacity of between 800 kilos and 1.4 tonnes at a working height of up to 19 metres. The infinitely variable proportional hydraulics of all Craneline units are optimised for working with glass elements, but also show their strengths in pure lifting operation. With its manipulator, the Craneline series effortlessly rotates, tilts, offsets and telescopes large glass elements.

The crawler tracks ensure safe traction and pressure distribution even on difficult ground. The Craneline series is also an indispensable helper indoors: thanks to telescoping adjustable chains, the width of the unit can be reduced to less than one metre to easily navigate through doorways or narrow hallways.

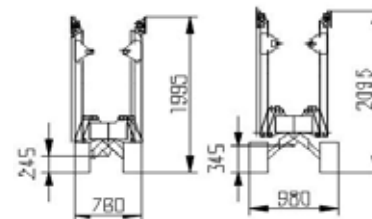
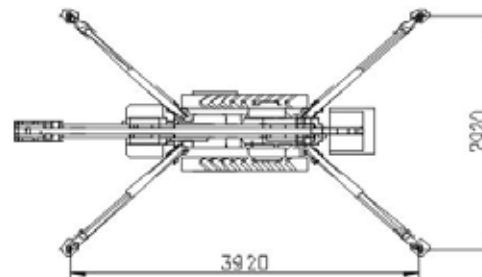
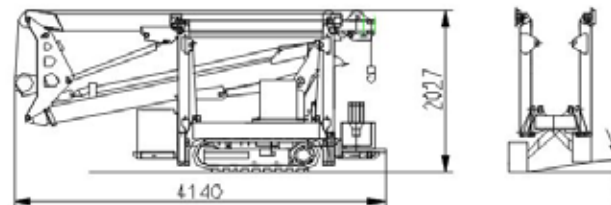


	HighCrane 800	HighCrane 1000	RoboCrane 1400	MiniCrawler PH12	Hermes 900
Maximum extension length	approx. 16.0 m	approx. 19.0 m	approx. 10.0 m	approx. 12.50 m	depending on telescopic loader
Lateral reach	approx. 7.50 m	approx. 9.20 m	approx. 7.50 m	approx. 10.0 m	depending on telescopic loader
Load capacity	approx. 800 kg	approx. 1000 kg	approx. 1400 kg	approx. 990 kg	approx. 600/900 kg
Rotation range	355 °	355 °	355 °	370 °	depending on telescopic loader
Total weight	approx. 2400 kg	approx. 2720 kg	approx. 2000 kg	approx. 1950 kg	approx. 550 kg
Remote control	✓	✓	✓	✓	✓
Options	<ul style="list-style-type: none"> • worker basket • flyjib • manipulator 600 - 900 kg • electric possible up to 230 V 	<ul style="list-style-type: none"> • worker basket • flyjib • manipulator 600 - 900 kg 	<ul style="list-style-type: none"> • flyjib • manipulator 600 - 900 kg 	<ul style="list-style-type: none"> • wireless remote control with 3 selectable speeds • flyjib • 400 V electric motor 	<ul style="list-style-type: none"> • expandable up to 900 kg

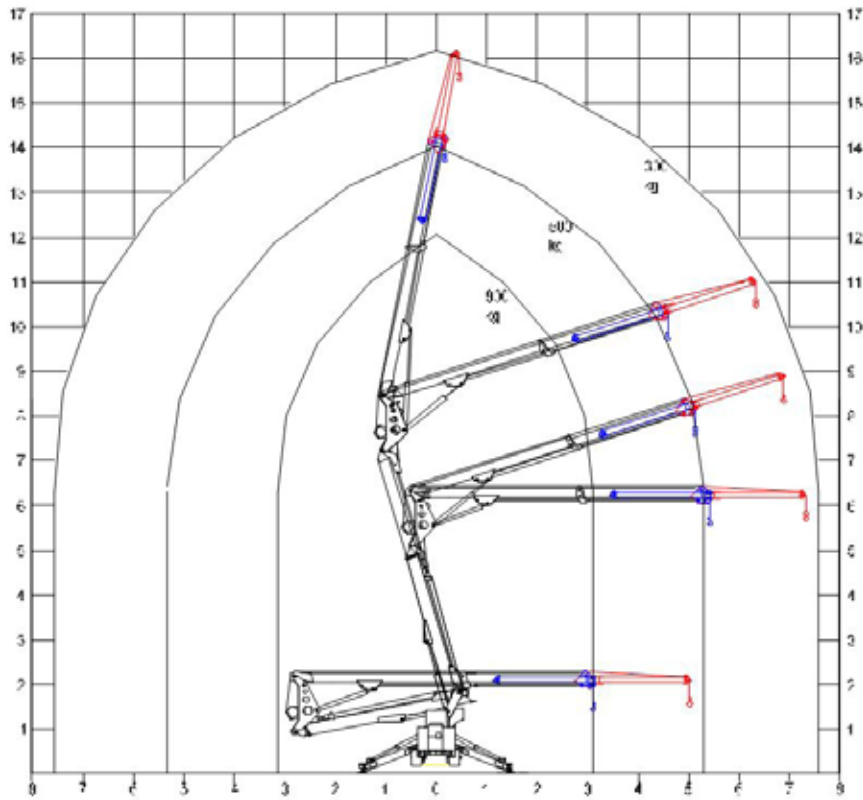
HIGHCRANE 800



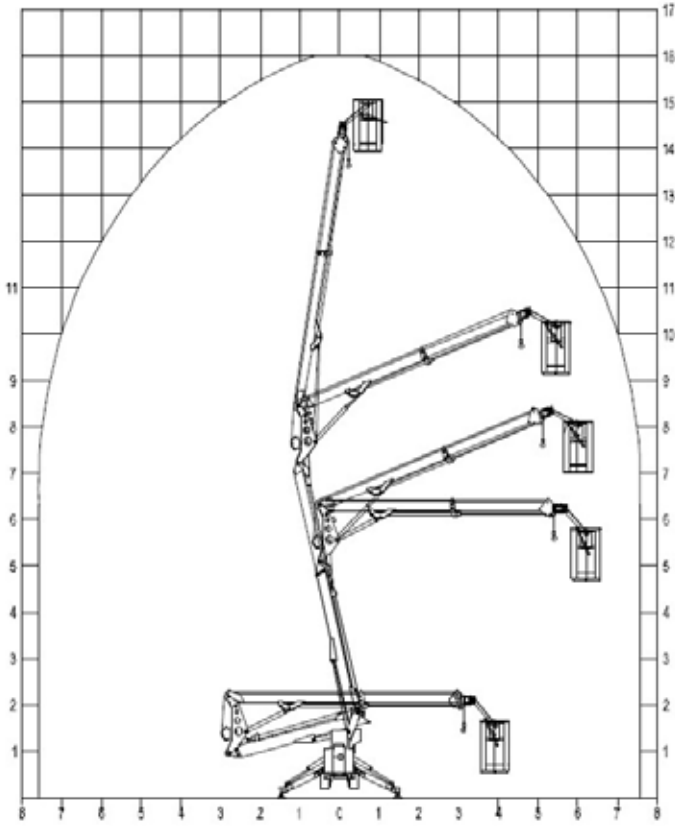
Maximum extension length	approx. 16.0 m
Lateral reach	approx. 7.50 m
Rotation range	355 °
Cable speed	approx. 0 - 12 m/min
Maximum carrying capacity	approx. 800 kg
Design length	min. 4140 mm
Design length with folding arm	min. 6200 mm



Design width	min. 780 mm
Design height	min. 2030 mm
Total weight	approx. 2400 kg
Outrigger area	2.92 m x 3.92 m
Surface load in standard work settings	approx. 1.9 kN/m ²
Ground contact pressure when driving	approx. 5.52 N/cm ²
Energy guiding chain	inner
Drive	13 HP Honda engine
Adjustable undercarriage	780 - 980 mm
Forward climbing grade	approx. 36%
Track width	approx. 0.20 m
Driving speed	approx. 1.5 - 2.2 km/h
Auxiliary drive	400 V, 4.0 kW, 16A, option possible up to 230 V



Chassis adjustable from 98 cm to 78 cm

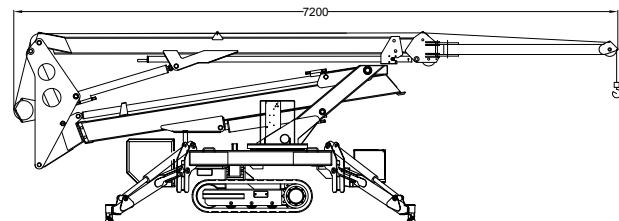


Deliverable with optional worker basket

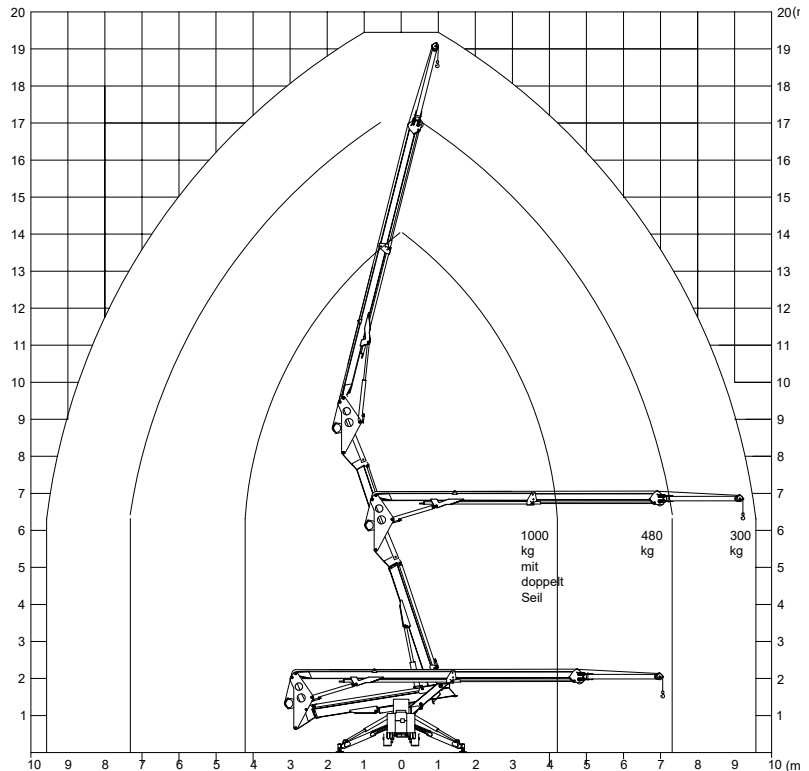
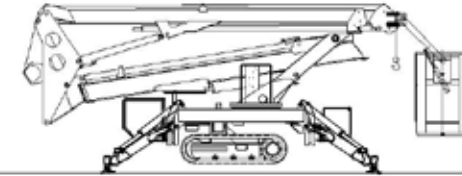
HIGHCRANE 1000



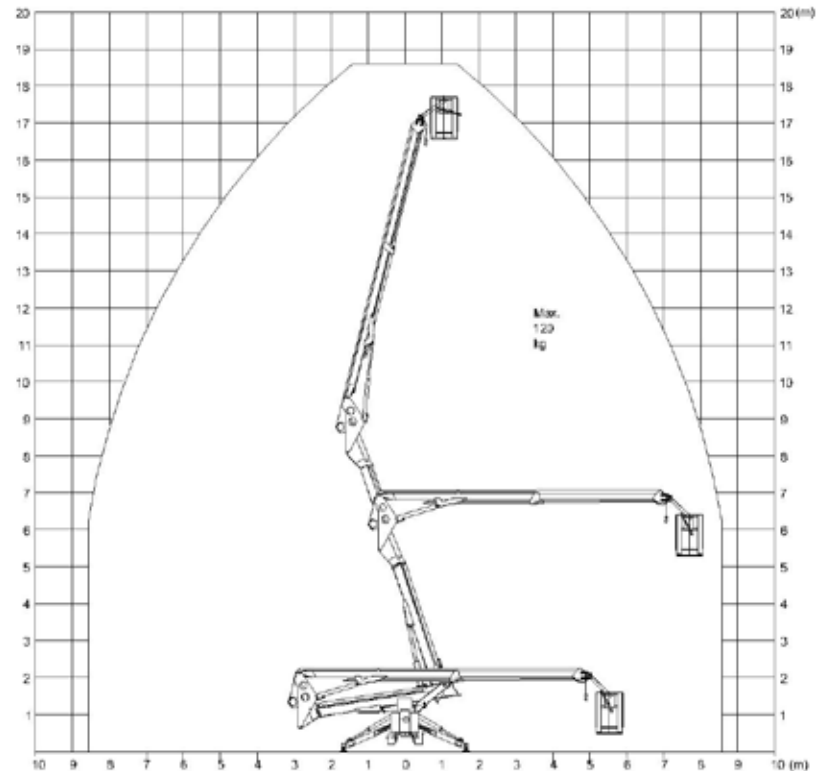
Maximum extension length	approx. 19.0 m
Lateral reach	approx. 9.20 m
Rotation range	355 °
Cable speed	approx. 0 - 12 m/min
Maximum carrying capacity	approx. 1000 kg
Design length	min. 5100 mm
Design length with folding arm	min. 7200 mm



Design width	min. 890 mm
Design height	min. 2030 mm
Total weight	approx. 2720 kg
Outrigger area	3.60 m x 3.53 m
Surface load in standard work settings	approx. 2.44 kN/m ²
Ground contact pressure when driving	approx. 7.75 N/cm ²
Energy guiding chain	inner
Drive	13 HP Honda engine
Adjustable undercarriage	890 - 1090 mm
Forward climbing grade	approx. 30%
Track width	approx. 0.20 m
Driving speed	approx. 1.2 - 3.5 km/h
Auxiliary drive	400 V, 4.0 kW, 16 A



Chassis adjustable from 1090 mm to 890 mm



Deliverable with optional single-worker basket

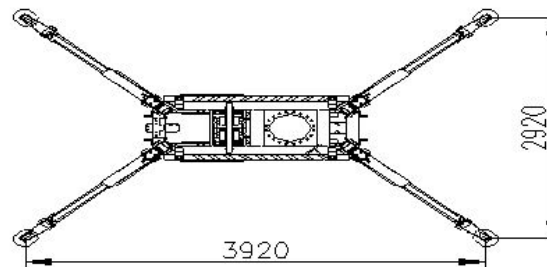
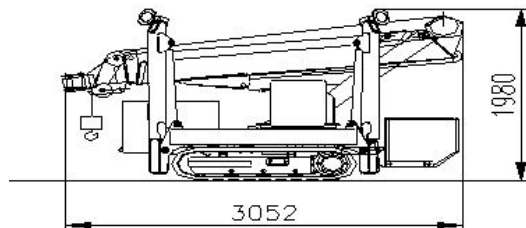
ROBOCRANE 1400

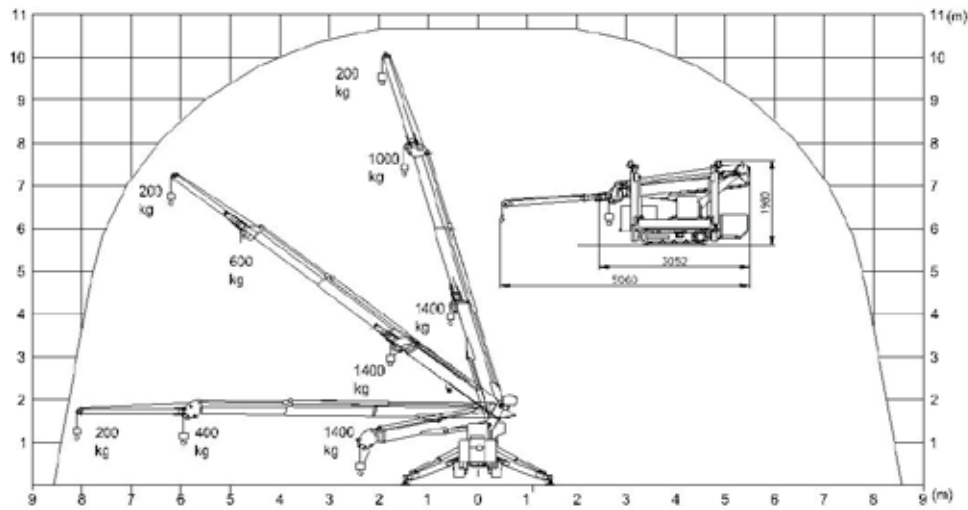


Maximum extension length	approx. 10.0 m
Lateral reach	approx. 7.50 m
Rotation range	355 °
Cable speed	approx. 0 - 12 m/min
Maximum carrying capacity	approx. 1400 kg
Design length	min. 3052 mm
Design length with folding arm	min. 5052 mm

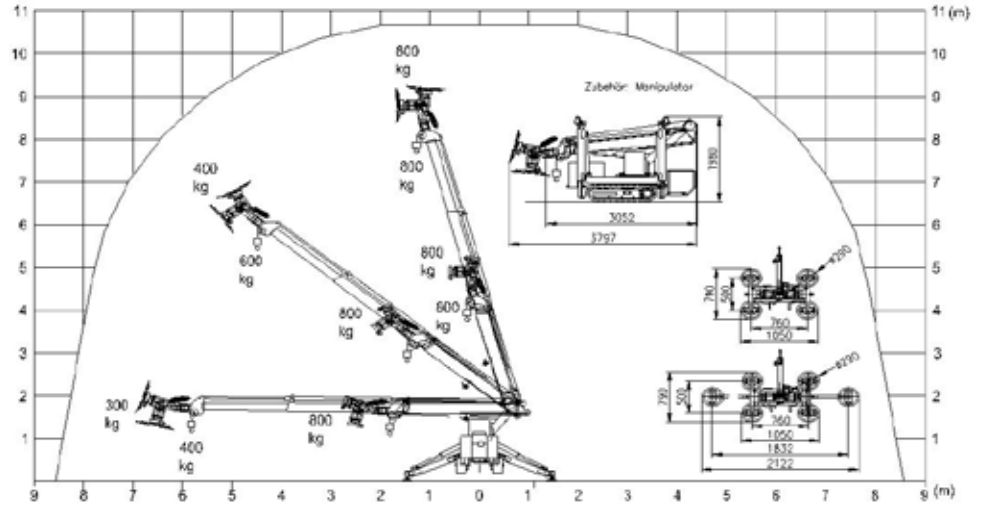


Design width	min. 780 mm
Design height	min. 2030 mm
Total weight	approx. 2000 kg
Outrigger area	2.92 m x 3.92 m
Surface load in standard work settings	approx. 1.9 kN/m ²
Ground contact pressure when driving	approx. 5.52 N/cm ²
Energy guiding chain	inner
Drive	13 HP Honda engine
Adjustable undercarriage	780 - 980 mm
Forward climbing grade	approx. 36%
Track width	approx. 0.20 m
Driving speed	approx. 1.5 - 2.2 km/h
Auxiliary drive	400 V, 4.0 kW, 16 A

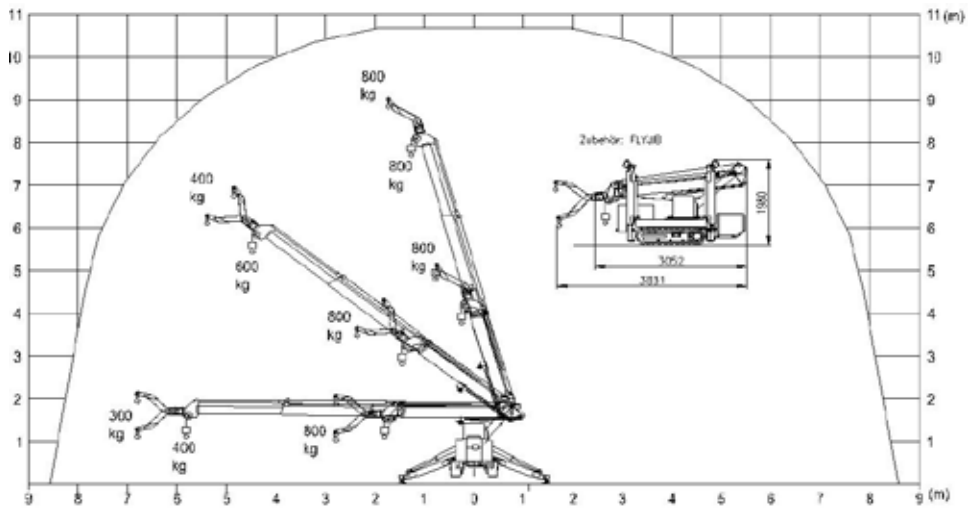




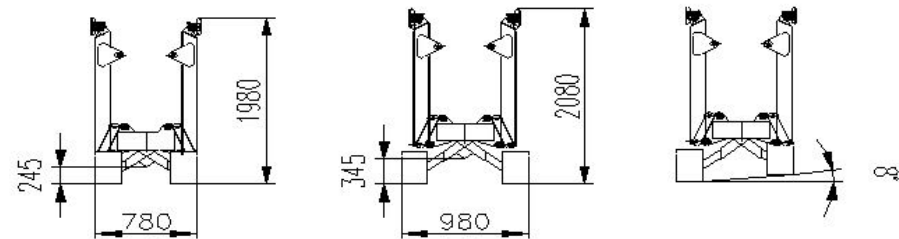
Robocrane 1400 with extension



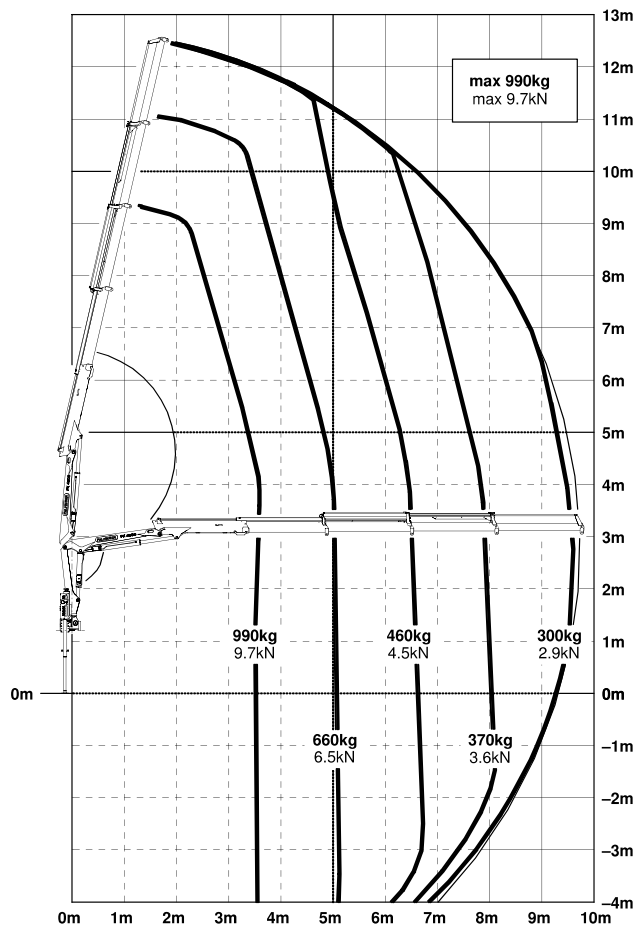
Robocrane 1400 with manipulator



Robocrane 1400 optionally with flyjib for under roof work



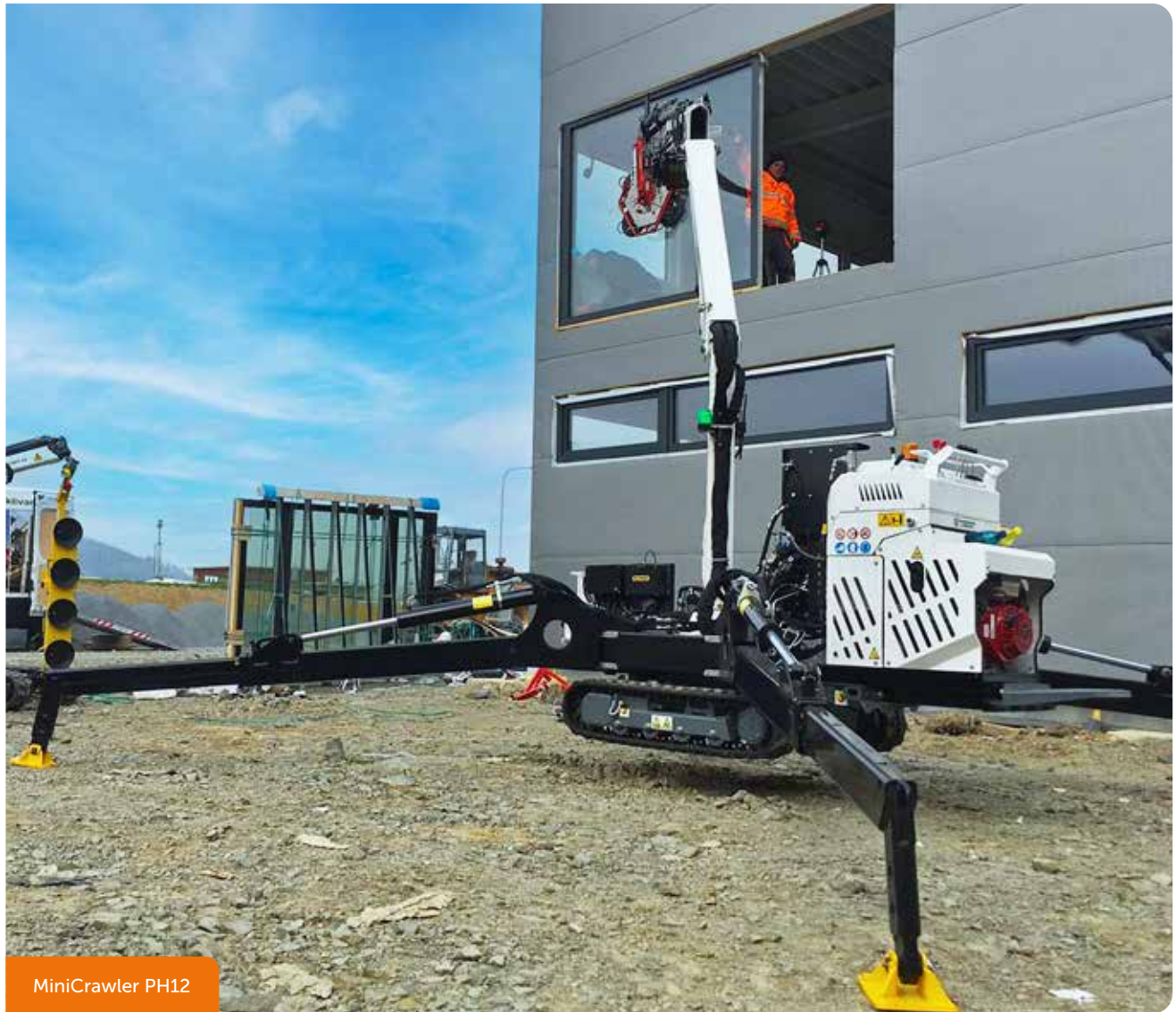
MINICRAWLER PH 12



Maximum extension length	approx. 12.50 m
Lateral reach	approx. 10.0 m
Rotation range	370 °
Cable speed	approx. 0 - 18 m/min
Maximum carrying capacity	approx. 990 kg
Design length	min. 3000 mm
Design width	min. 860 mm
Design height	min. 2030 mm
Total weight	approx. 1950 kg
Outrigger area	2.90 - 4.10 m x X (variable)
Surface load in standard work settings	approx. 1.9 kN/m ²
Ground contact pressure when driving	approx. 5.52 N/cm ²
Drive	13 HP Honda engine



Adjustable undercarriage	780 - 1090 mm
Track width	approx. 0.20 m
Driving speed	approx. 2.6 - 4 km/h
Brake	hydraulic
Optional	manipulator



MiniCrawler PH12

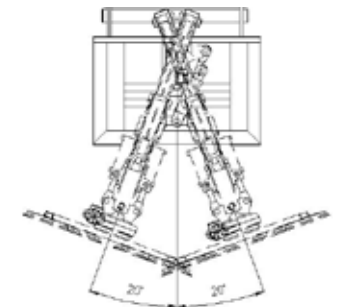
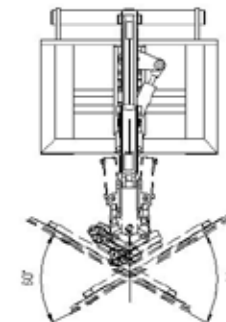
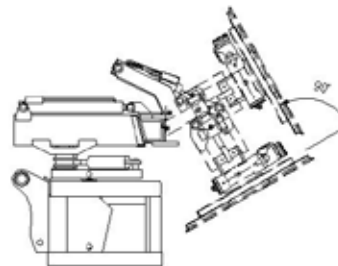
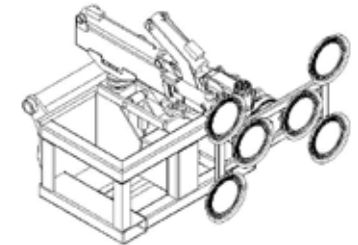
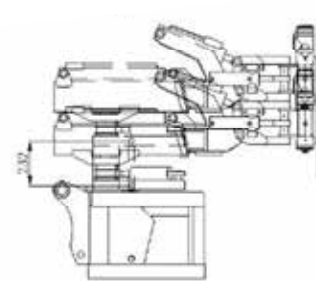
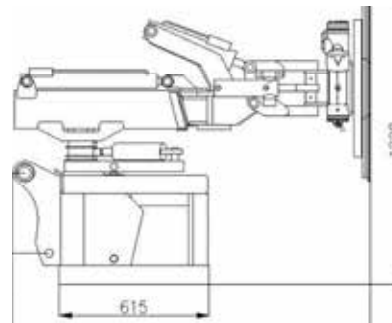


HERMES 900



Maximum extension length	depending on telescopic loader
Lateral reach	depending on telescopic loader
Rotation range	depending on telescopic loader
Maximum carrying capacity	approx. 600/900 kg
Design width	approx. 980 mm
Design height	approx. 1000 mm
Total weight	approx. 550 kg
Working height	depending on telescopic loader
Drive	3 kW DC motor
Battery	2 x 150 Ah

Optional: Flyjib with 1200 kg load capacity
Extension of the suction unit up to 900 kg





Hermes 900



GLASS LIFTING EQUIPMENT

Mobile aids for workshop and construction site

Always ready when you are: TGT's glass lifting devices are indispensable aids for the safe and back-friendly transport of glass, doors and elements with gas-tight surfaces. The manual lifters are equipped with a hand winch and electronic vacuum pumps with a load capacity between 80 and 300 kilograms.

Thus, the glass lifting devices ensure the fast and flexible transport of loads in the workshop and on construction sites — even over stairs. With a low dead weight and handy dimensions, the lifts can be operated by only one person and are absolutely mobile.



250 LIGHT

The **250 light** is a manual glass robot for transporting and installing glazing and windows weighing up to 250 kilograms with millimetre precision. Thanks to its compact design, the small pivoting circle and a swivel range of 90 degrees, elements can be transported through doors and narrow corridors with the glass robot. For transport, the 250 Light can be quickly dismantled and easily reassembled at the place of use.



Dead weight	204 kg (+ 12 x 19 kg counterweights)
Dimensions (L x W x H)	2440 x 791 x 1438 mm
Load capacity	250 kg
Working height	2600 mm
Suction disc	4 x Ø 204 mm (100 kg each)
Lateral shift	200 mm
Rotation range	360 °
Swivel range	90 °
Telescoping length	approx. 900 mm
Wheel drive	manual
Vacuum	manual
Optional accessories	load hook

GLASKULI

The **GlasKuli** is a lightweight transport device with which glass panes, doors and other gas-tight elements of up to 180 kilograms can be moved, lifted and rotated. Large air-filled tyres, adjustable and non-slip handles as well as the compact design enable fast and safe use in almost any location.

Load capacity (1 person)	80 kg
Load capacity (2 persons)	180 kg
Lift	1,000 mm
Suction disc	3 x Ø 250 mm
Rotation range	360 °
Swivel range	90 °



EASYLIFT

The overhead installation of large and heavy glass elements of up to 250 kilograms in roof constructions is easy with **EasyLift**: four variable telescopic supports ensure a secure stance especially on uneven surfaces or stairs, and an automatic overload safety device ensures full control on all sides. What's more, the EasyLift units are ready for use in just a few seconds — without any tools.

GLASTRANSPORTER

Inner dimensions: 70 mm - 120 mm - 170 mm



The **Glastransporter** is a handy, versatile transport clamp trolley that can be used to move elements up to a depth of 170 mm. The large wheels ensure easy running and high manoeuvrability, the padded insides prevent scratches and damage to the element.

	EASYLIFT	EASYLIFT XL
Dead weight	66 kg (+ 2 x 23 kg counterweights)	
Dimensions (L x W)	550 x 650 mm	
Load capacity	120 kg	up to 250 kg
Working height	4200 mm	4300 mm

VACUPOWER

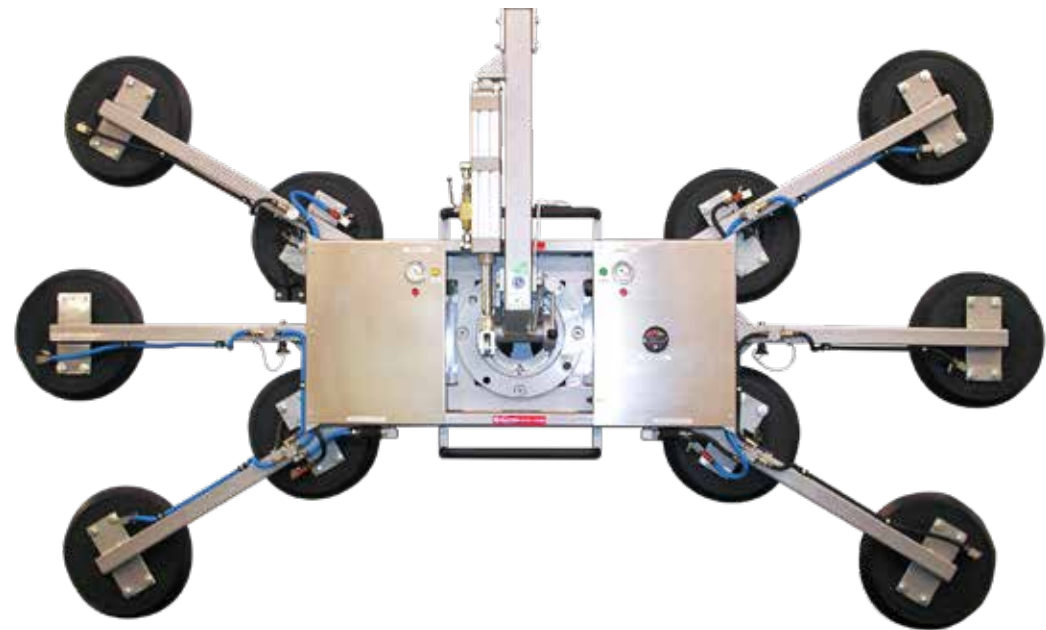
Autonomous manipulators



Maximum load capacity, minimum space requirement: In the VacuPower series, TGT offers a variety of freely suspended suction units that can be used as self-sufficient and flexible retrofit or replacement units wherever a crane or load hook is available.

The suction units with two to ten suction discs can suction and move workpieces with gas-tight surfaces without damage - up to 900 kilos in series and even up to 5 tonnes as a special design. The manual swivelling device up to 360 ° (horizontal: 90 °) even makes it possible to place elements weighing several tonnes with millimetre precision.

At the same time, the VacuPower suction units always offer the greatest-possible flexibility: thanks to battery operation, low dead weight and shallow depth, they are easy to transport – and therefore just as indispensable on the construction site as in the workshop.



	VACUPOWER 450A	VACUPOWER 600A	VACUPOWER 900	VACUPOWER 450 inLine (NEW)
Dead weight	50 kg	65 kg	90 kg	55 kg
Dimensions (H x W x L)	200 x 900 x 700 mm	200 x 700 x 810 mm	160 x 780 x 1300 mm	300 x 1200 x 190 mm
Load capacity	300 - 450 kg	300 - 600 kg	450 - 900 kg	300 - 450 kg
Load current	230 Volt	230 Volt	230 Volt	230 Volt
Charger	integrated	integrated	integrated	integrated
Charging time	approx. 6 hours	approx. 6 hours	approx. 8 hours	approx. 6 hours
Battery	12 Volt	12 Volt	12 Volt	12 Volt
Period of use	approx. 10 hours	approx. 10 hours	approx. 10 hours	approx. 10 hours
Optional	lowering cylinder, remote control, cable remote control	lowering cylinder, remote control, cable remote control	lowering cylinder, remote control, cable remote control	lowering cylinder, remote control, cable remote control
Accessories	transport wagon with rollers	transport wagon with rollers	transport wagon with rollers	transport wagon with rollers

Lift head

Rotation range	360 °	360 °	360 °	360 °
Folding joint	90 °	90 °	90 °	90 °
Suction disc	6 Pc 150K, round, Ø 330 mm	8 Pc 150K, round, Ø 330 mm	10 Pc 150K, round, Ø 330 mm	6 Pc 150K, round, Ø 330 mm
2 circuit system	2 vacuum pumps 12 Volt	2 vacuum pumps 12 Volt	2 vacuum pumps 12 Volt	2 vacuum pumps 12 Volt

Extension possibilities

Enlargement	1 suction disc on each side	1 - 2 suction discs on each side	1 - 3 suction discs on each side	1 suction disc on each side
Load capacity	450 kg	600 kg	900 kg	450 kg

CUSTOM-MADE PRODUCTS

Designed to meet your challenges

Grow more: TGT series are created close to the requirements and tasks of customers who use the equipment as flexible lifting and carrying solutions for workshop or construction site use. Not only new developments benefit from innovative new features, but also existing TGT series receive regular model updates.

TGT also offers its customers the possibility of adapting series devices to individual challenges. The individual construction of additional functions on existing models reduces development time and is particularly cost-efficient.

1 Advising

TGT analyses the customer-specific requirements for a lifting or carrying device and checks whether and in what form customers can rely on a solution from the existing model range.

2 Development

In collaboration with specialist engineers, solutions are developed that meet the exact usage requirements. The digital construction then calculates the centre of gravity, dimensions, load and statics.

3 Tests

TGT tests the custom-made products in standardised test procedures, analyses the results and prepares the design. Among other things, this involves creating CAD drawings for production.

4 Manufacture

Special designs, like TGT series units, are manufactured exclusively by long-standing partners at three European locations. Before delivery, a detailed quality control is carried out.



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