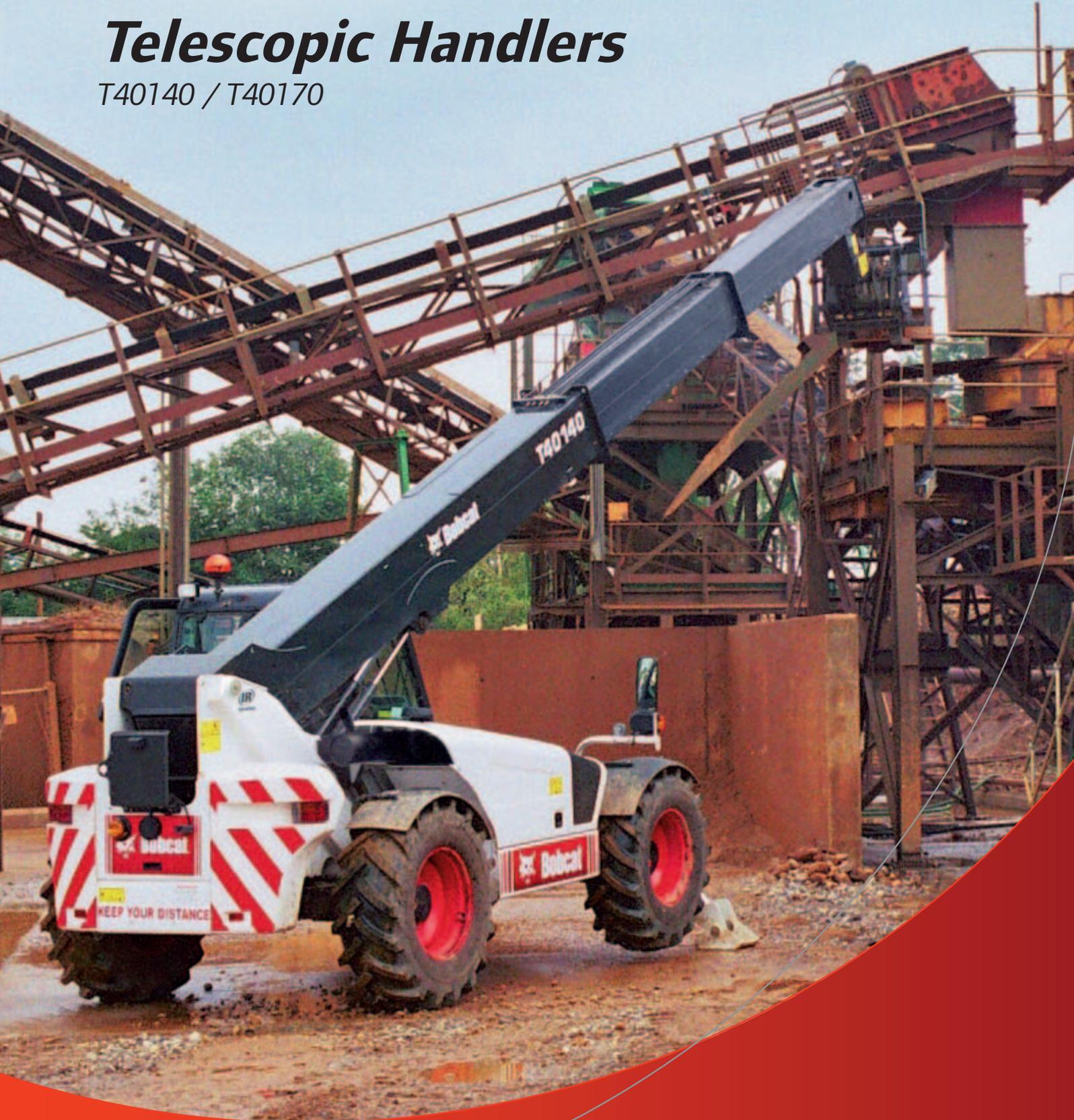




Telescopic Handlers

T40140 / T40170



The Bobcat® spirit

In Bobcat® telescopic handlers, the tradition lives on. Innovative engineering, state-of-the-art hydrostatic drive and ergonomic joystick controls combine to provide superior performance in one multi-purpose machine.



Advanced boom design

The Bobcat® T40140 and T40170 telescopic handlers are equipped with an innovative new boom that incorporates the latest state-of-the-art construction techniques. Simple and modern in design, the new boom is light but strong, and has a built-in counter-bow to ensure straightness when extended under full load. A large contact surface between the supporting pads and the boom segments provides a smooth telescoping action and reduced pad wear. Easy to maintain, the new boom also incorporates a compensator cylinder to enable self-levelling of the fork carriage.

Component protection

- The crowding cylinder is housed in the nose of the boom, which ensures that it is well protected.
- The same protection is provided for the hydraulic hoses.
- The reinforced underside provides protection for the engine and other vital components when travelling over rough terrain. The engine is housed in a cradle which isolates it from dust. This helps to keep it clean and makes it easier to inspect and maintain the engine.

When “Lifting Height”, “Stability” and “Compactness” are vital factors

Both the T40140 and T40170 telescopic handlers have a maximum lift capacity of 4 tonnes. Their lifting height and reach make them ideal for a wide range of lifting applications at building sites such as masonry, lifting of prefabricated panels and roofing as well as for applications in industry.

Maintenance

- Bobcat® telescopic handlers are designed on common platforms. The main components and control points are always located in the same place to simplify maintenance operations.
- For routine maintenance, Bobcat® telescopic handlers offer excellent access to all main components. Moreover, no specialized tools are required for this work.



Comfort and Safety

Comfort is paramount in every Bobcat® telescopic handler.



Cab features

- large, functional space for the operator
- internal cab width of 92 cm
- multiple adjustments for seat and backrest
- safety belt
- adjustable steering column
- multifunctional, proportional joystick
- efficient heating / demisting
- access handles
- step
- working lights
- compliance with ISO ROPS and FOPS standards

Options

- air conditioning
- windscreen protection grid
- roof window wiper

Engine

A side-mounted engine allows better visibility to side and rear of machine, low machine profile and convenient serviceability.

Excellent visibility

Bobcat® telescopic handlers offer excellent visibility, which is especially beneficial when operating in the following situations:

- forwards for picking up equipment
- upwards for positioning at maximum height
- all-round for manoeuvring
- backwards for safety

Safety

Working safely is essential. The operator is informed at all times about the load being handled. A visual and audible signal notify the operator in the event of longitudinal instability. In addition, to ensure a maximum level of safety, several safety devices (both active and passive) are provided as standard equipment.

Aggravating Movements Arrestor

The Aggravating Movements Arrestor (AMA) is an important safety feature which provides both longitudinal and lateral stability control. When the maximum authorised capacity is approached, the red load status light comes on. At the load limit, the audio overload alarm is triggered and all hydraulic movements are blocked except for the retraction and lifting of the boom to alleviate the situation.



3 steering modes for ease of handling:

- 1 All-wheel steer for on-site handling (small turning circles)
- 2 Crab-steer for positioning loads from side-to-side in restricted areas
- 3 Front-wheel steer for travel on roads

Easy-to-use controls

- single loader-style hydraulic joystick for boom and bucket functions
- boom extension and auxiliary functions activated by variable control thumb wheels on joystick
- single shuttle lever for forward, reverse, high and low speeds
- single lever for turn signals, horn and high-beam road lights
- tilt and telescoping steering wheel column



Performance

Bobcat® telescopic handlers use advanced technology providing optimum performance and manoeuvrability and a host of other advantages.

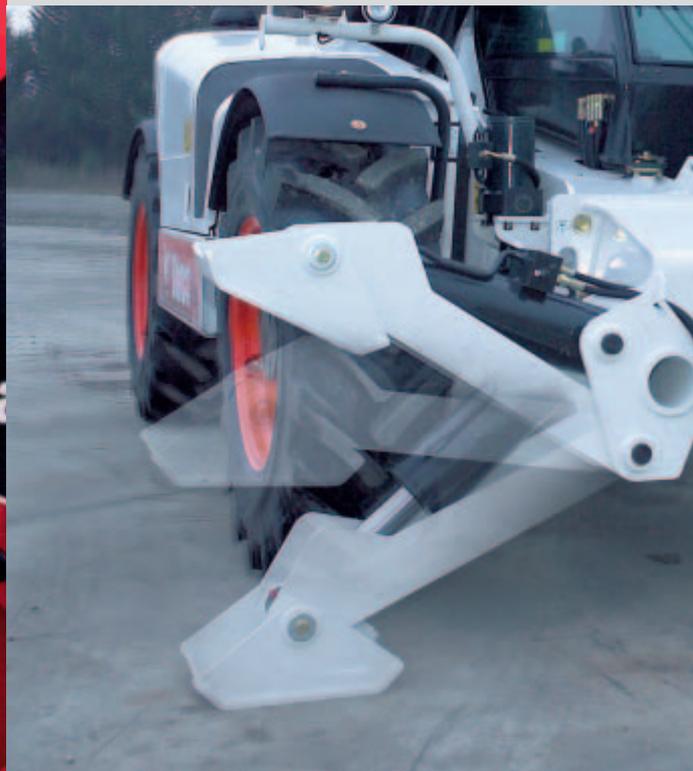


Load Chart

Don't just look at the rated capacity and maximum lift height. Study the load chart for the range of applications covered. In particular, look for the following:

- the capacity at maximum height
- the forward reach at maximum height
- the maximum forward reach
- the capacity at maximum forward reach

Customers have specific loading or material handling requirements and these factors are all important when choosing the best lifting equipment.



Superior performance

Thanks to the design and construction of the boom, which pivots at the very rear of the machine, both the T40140 and T40170 offer excellent working ranges. The T40140 can lift 4,000 kg to the maximum lifting height, while the T40170 offers, on wheels as well as on stabilisers, over 17 metres of lift height.

Hydrostatic Transmission

The Bobcat® T40140 and T40170 telescopic handlers have a simple-to-use, heavy-duty industrial hydrostatic transmission which offers the following advantages:

- 4-wheel drive (permanent)
- high wheel torque for digging and pushing
- dynamic braking
- two speed ranges
- shift on the fly: smooth transition between low and high speeds
- two operator preference modes along with inching capabilities

Stabilisers

Both Bobcat® telescopic handler models have two stabilisers which move independently for precise positioning. The stabilisers are

fully adjustable and, whether stowed or deployed, do not detract from the compactness of the machine.

Boom control

A 4-function joystick provides precise, proportional control of any combination of movements desired. The telescoping action of the boom sections is proportional and smooth, without loss of hydraulic power.

Self-levelling

On inclined surfaces, the self-levelling system, which provides a tilt correction of +/- 4°, can be used to level the telehandler for safe, optimum positioning of the load. Using self-levelling in combination with the stabilisers can provide a total correction up to +/- 12°.

Side shift

The sideways movement offers a lateral shift up to 85 cm at maximum height. Self-levelling and side shift are possible on both wheels and stabilisers. Moreover, both operations can be done at the same time, without any loss of load capacity.



Versatility

Bobcat® telescopic handlers are truly flexible machines that can be equipped with a wide range of attachments for applications in construction, rental, public works, agriculture, landscaping, industry and many other activities.

Construction

Material handling, placement of prefabricated panels, roof trusses, excavating and loading, back filling, grading, cleanup, and much more.

Rental

Rent the telescopic handler for material handling, excavating, loading and as a carrier for attachments.

Agriculture and landscaping

Handling bales, silage and fertilizer; loading trucks and wagons, stockpiling, grading ; cleanup.

Buildings and Grounds

Load, unload, transport and pile compost, dirt, mulch, rock, stone and trees in and around buildings and other facilities. General maintenance and material handling, loading trucks and trailers, transferring waste, cleanup of leaves, tree branches and brush.

Industrial

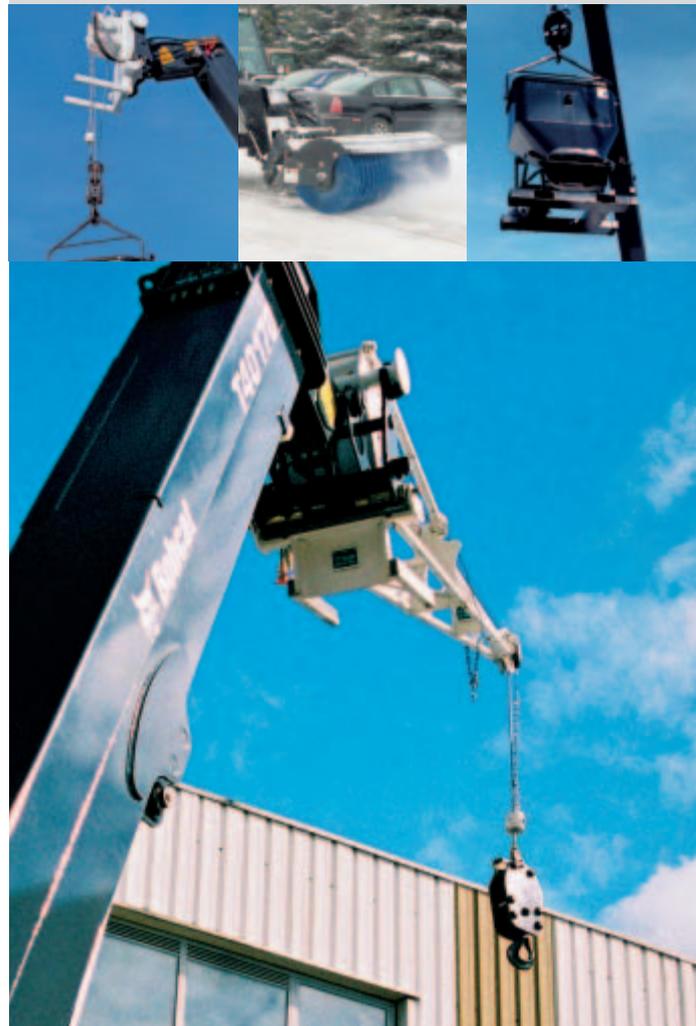
Recycling (plastic, paper, metal), waste handling, loading trucks and containers, picking and placing material.

Snow Removal

Pile snow higher and maximize as much room as possible in parking lots and driveways, alleys, warehouse lots, and farmyards.

Hydraulic Quick-Tach

For fast, easy mounting and dismounting of attachments. The operator can hook up non-hydraulic attachments without leaving the telescopic handler cab. Hydraulic Quick-Tach saves time on every job site.



More than just a machine

Aftersale support

Bobcat® telescopic handlers are supported by the finest and largest network of distributors in the industry. No matter where you are, you're probably not far from a distributor who can offer you prompt, professional service and support for your equipment.

Warranty

When you buy a Bobcat® telescopic handler you also receive free parts and labour for one year/1200 hours to repair any problems due to faulty material or workmanship. You can also extend the warranty to 24 months/2200 hours or even 36 months/3200 hours.

Training

To obtain optimum performance from a Bobcat® telescopic handler, operators should receive full training in both operation and safety.

Financing

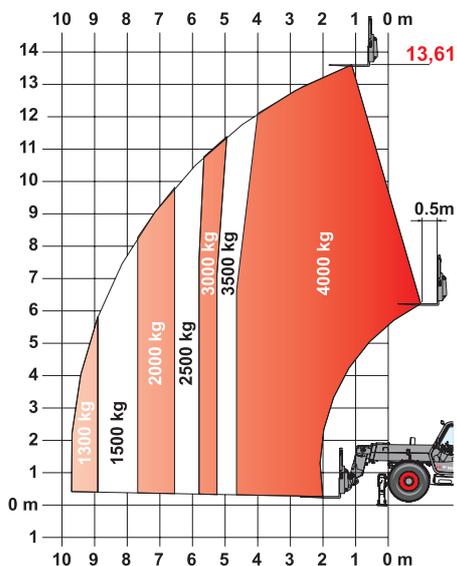
Your buying decision can also be affected by financing options. Your Bobcat® distributor will help you find the best finance option to help you enjoy the many benefits of owning and operating a Bobcat® telescopic handler.



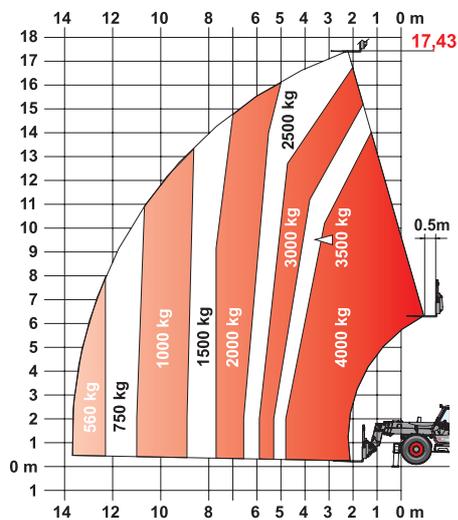
Specifications

T40140

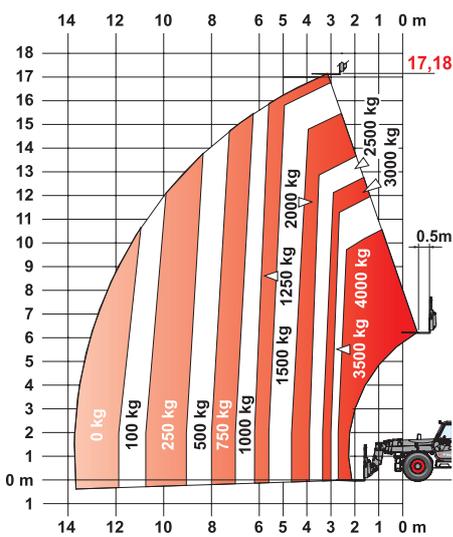
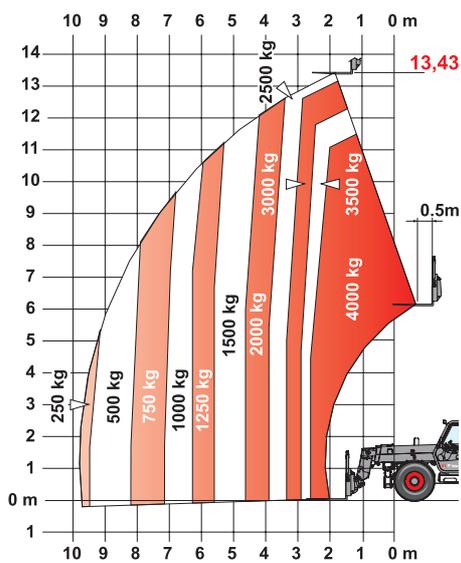
With forks and standard DUNLOP 400/80x24 tyres - on stabilisers



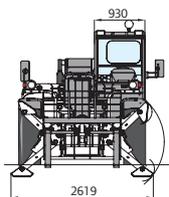
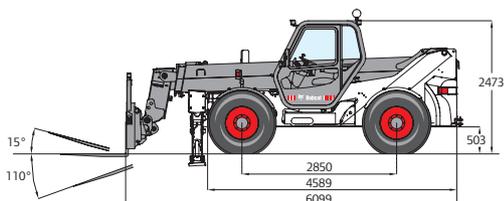
T40170



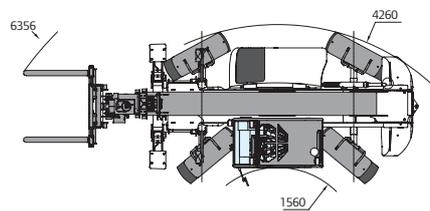
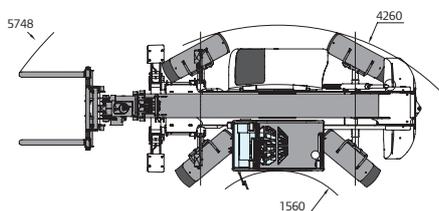
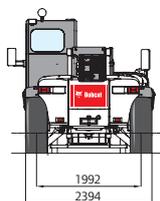
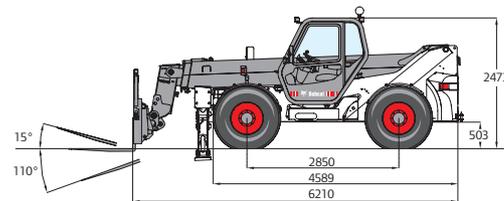
With forks and standard DUNLOP 400/80x24 tyres - on tyres



T40140



T40170



All dimensions in mm.

Performance	T40140	T40170
Lifting height — on tyres	13430 mm	17430 mm
Lifting height — on stabilisers	13610 mm	17180 mm
Rated capacity	4000 kg	4000 kg
Capacity (at max. height on stabilisers)	4000 kg	2500 kg
Capacity (at max. height on tyres)	2500 kg	1250 kg
Capacity (at max. reach on stabilisers)	1300 kg	560 kg
Capacity (at max. reach on tyres)	250 kg	0 kg
Max. reach on tyres	9800 mm	13730 mm
Max. reach on stabilisers	9700 mm	13670 mm
Crowding force	5000 daN	5000 daN
Weights		
Weight (unladen)	10000 kg	10970 kg
Traction		
Standard tyres	400/80x24	
Low speed (forward/reverse)	0–8 km/h	
High speed (forward/reverse)	0–30 km/h	
Driving modes	Direct drive / soft drive	
Drive System		
Transmission	Variable displacement hydrostatic pump	
Main drive	Hydrostatic motor	
Engine		
Make/Model	PERKINS / 1104C-44T turbo	
Fuel / Cooling	Diesel / Water	
Rated power (DIN 6271) at 2200 RPM	74.5 kW (100 HP)	
Maximum torque at 1400 RPM	412 Nm	
Number of cylinders	4	
Displacement	4.4 l	
Hydraulic System		
Pump type	Engine driven, gear type	
Combined pump capacity	144 l/min	
Working pressure	265 bar	
Cycle Time		
Lift time - no load	13.0 s	12.6 s
Lower time - no load	7.2 s	6.4 s
Telescope in, time at max. reach - no load	12.4 s	19.4 s
Telescope in, time at max. height - no load	11.0 s	16.6 s
Telescope out, time at max. reach - no load	19.3 s	28.9 s
Telescope out, time at max. height - no load	19.2 s	29.0 s
Brakes		
Engine braking	Hydrostatic	
Parking and emergency brake	Mechanical, acting on both axles	
Fluid Capacities		
Axles and reduction gears front/rear	11.9 / 11.4 l	
Engine oil	8.5 l	
Fuel tank	140 l	
Hydraulic reservoir	77 l	
Standard Features		
Aggravating Movements Arrester (AMA), Hydrostatic transmission, ROPS/FOPS operator cab, Heating, demisting and ventilation, Front and rear washer/wipers, Suspension seat, Two way hydraulic supply at the end of the boom, Narrow hook-up for mounting of the equipment, Mechanical lock of the equipment		
Options		
Reverse drive alarm, Second hydraulic function on boom, Cab air conditioning, Rear hydraulic hook and mirror, Rotating beacon, Cooling fan reverser, Rear hydraulic connection, Trailer brake valve, Work light on boom, Set of blue lights for hen houses, Hydraulic lock of equipment, Yoke and electrical plug, Roof windscreen wiper, Windscreen grill, Transmission lock override		



Ingersoll Rand is a world leader in the field of compact vehicles and equipment. Our widely known Bobcat® brand includes an extensive line of powerful, nimble compact construction equipment and attachments, and our state-of-the-art engineering capabilities and stylish designs are reflected in our world famous Club Car® vehicles.

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