

REEDYK

COMPACT CRANES

➤ REEDYK PC4405EX 

THE 'PICK AND CARRY' CRANE FOR THE
PETROCHEMICAL INDUSTRY



ATEX-3G IIB T3 ZONE2

THE LIFTING CHAMPION ON THE SQUARE METRE

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Dirk Reedijk, Director

Reedyk Compact Cranes are designed especially for lifting heavy loads in small spaces. Our cranes are used in places that other cranes cannot access or where other cranes have insufficient capacity. At our customers' requests, we developed a new pick and carry crane that meets all ATEX guidelines; the PC4405EX. An easy to operate crane that can be used safely in areas with explosive substances.

THE PERFECT CRANE FOR THE PETROCHEMICAL INDUSTRY

The PC4405EX pick and carry crane is fully battery driven and developed and constructed for use in areas containing hazardous substances in accordance with ATEX 3G IIB T3 ZONE-2 standards.

AVAILABLE FOR USE QUICKLY

The crane is available for use quickly and its lithium battery pack enables you to work for longer than a day. Intermediate charging is also not a problem. This makes this crane a fantastic partner for your multiple maintenance and replacement activities.



➤ PC4405EX PICK & CARRY



MINIMAL DIMENSIONS

At 1 metre wide, 2.49 metres in length and with a reach of 6.4 metres, this crane can reach almost anywhere. For precise positioning, this crane can swivel to two sides by 15 degrees.

PREDICTABLE OPERATION

Operating the PC4405EX feels very natural and it is easy to operate. The robust loading platform ensures that components can be transported quickly to the desired place. You can carry every load with this Pick & Carry crane, irrespective of flight, boom length or lifting load.

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SAFE DESIGN

Safety was a high priority during development and not only because of the ATEX standards. The crane is constructed from solid, reliable and smart-designed materials. Daily use and low maintenance costs were the starting points during development. The result is an extremely reliable tool that saves you a lot of time in your daily maintenance work.

ELECTRICITY VIA LITHIUM

As the PC4405EX is equipped with a lithium battery pack, you have the advantages of electric propulsion without the disadvantages. The battery pack allows you to work for an entire day. If you want to charge the battery in the meantime, you can do so during a break or while you work. The battery has no 'memory' and retains its full capacity. The charger is built-in and is provided with a trickle charger. This means you can keep it connected to mains power. In short, the crane is always ready for use.



➤ PC4405EX PICK & CARRY



FULLY BATTERY-POWERED

The crane is fully battery-powered by a lithium battery pack, so it's always ready for use. You can even charge it while it is in operation.



BUILT-IN CHARGER

The crane's battery charger is built-in and is equipped with a trickle charger. Charging works via 230VAC/16A.



REMOTE OPERATION

Simple, logical operation. The crane responds predictably which means you feel familiar with it quickly.



EASY TO TRANSPORT

The PC4405EX is easy to transport. Weighing 2,835 kg, the crane can be transported quickly and easily on a 3.5 tonne trailer.

ON SITE QUICKLY

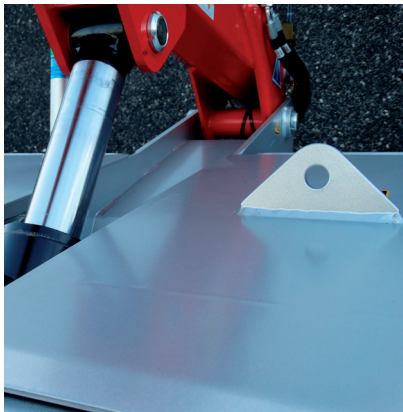
Once on site the crane drives itself to its destination quickly. If required, it can also be transported using a forklift truck.



The crane was developed in cooperation with users and is therefore equipped with extremely useful accessories.



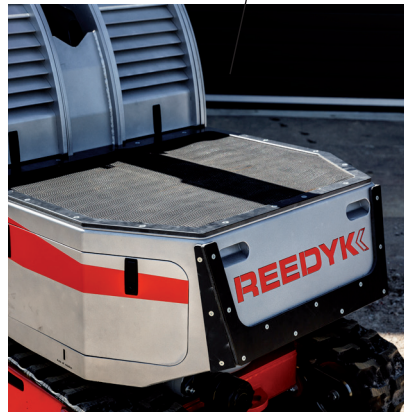
Stainless steel hook



Equipped with hoisting eyes



Practical design including these rigging points



Loading platform of approx. 0.7 m²

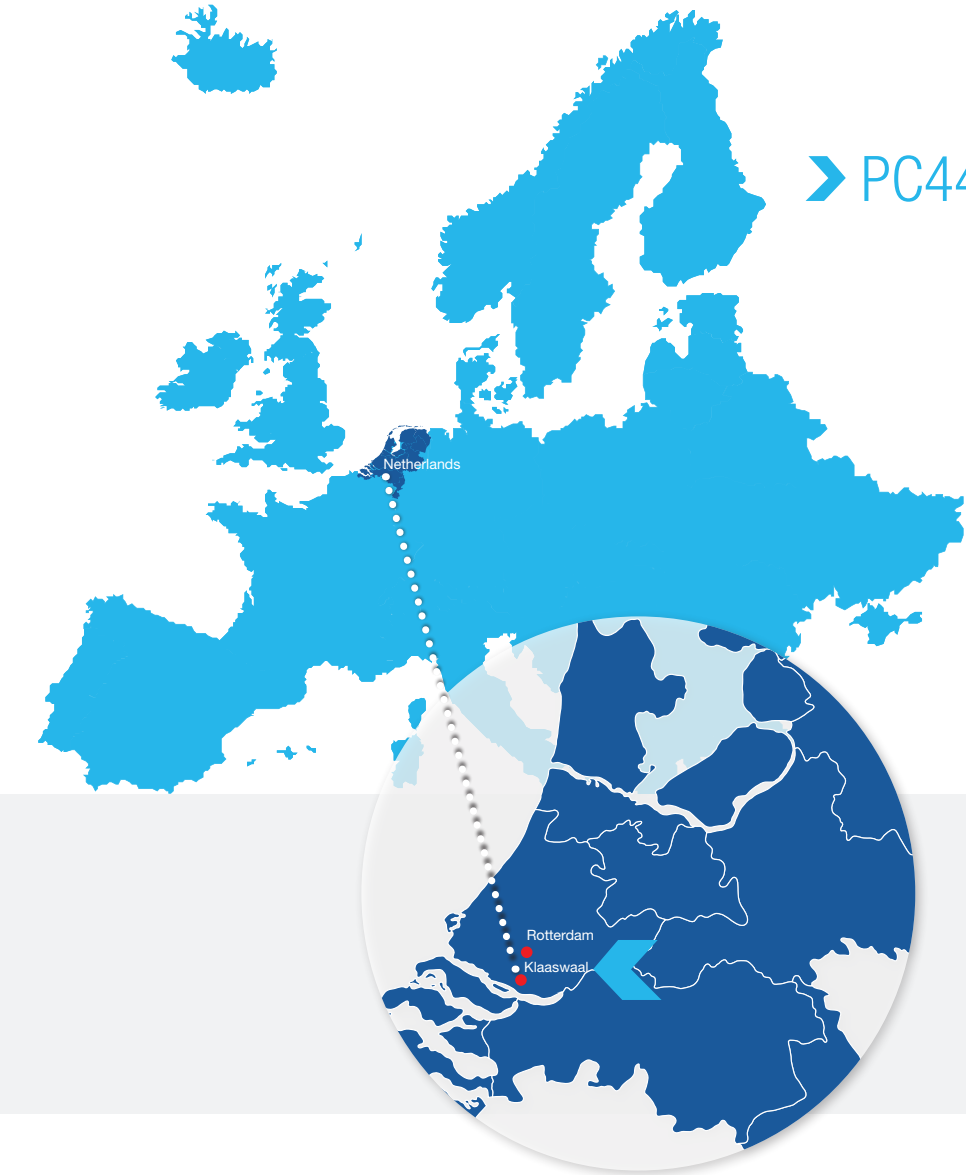


Handy storage for lifting belts and tooling

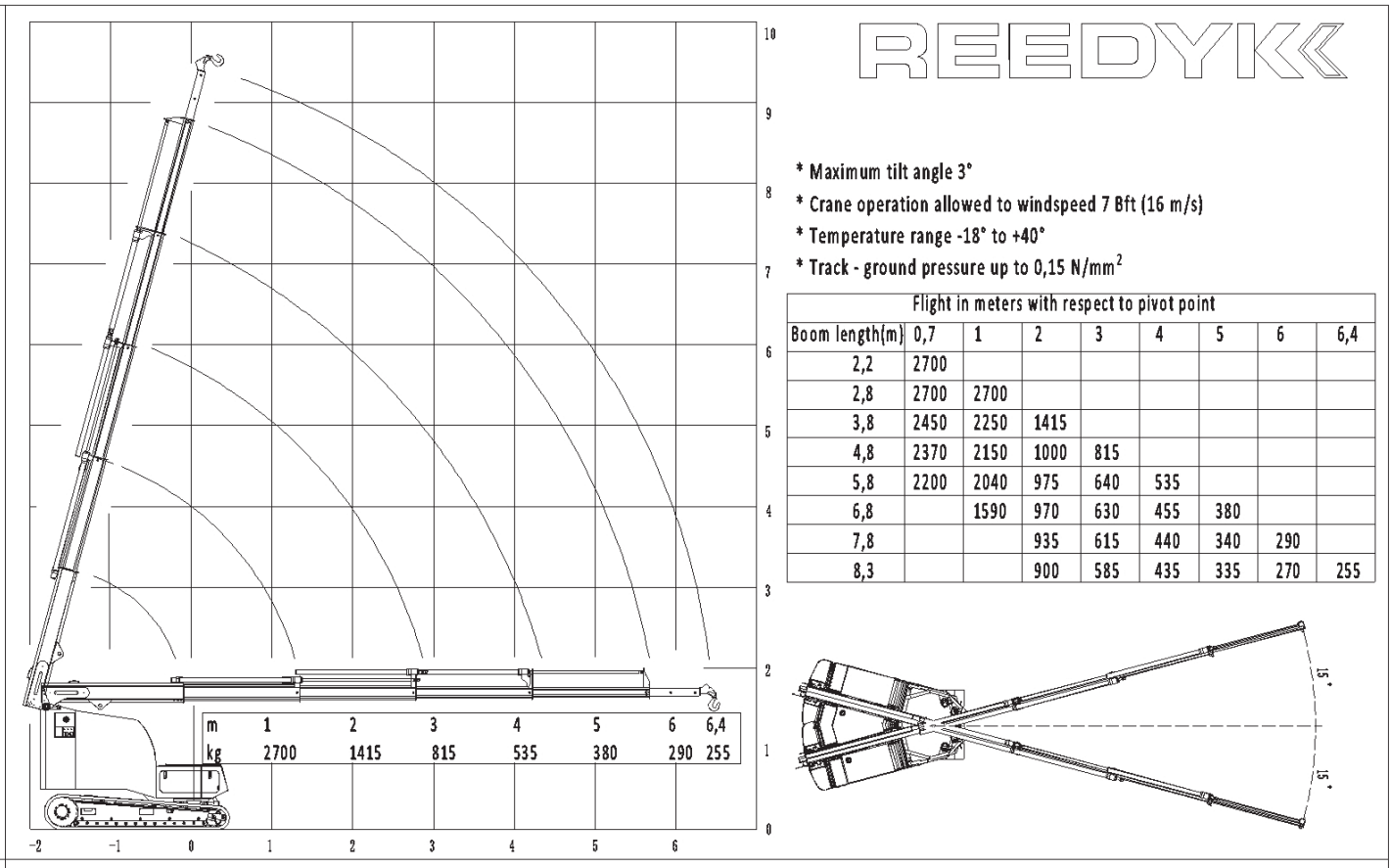


Storage for the remote control

PC4405EX PICK & CARRY



The PC4405EX was developed, designed and built by Reedyk in Klaaswaal, the Netherlands; a family company with a close team of specialists.





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Stamp official dealer PC4405EX

TECHNICAL DATA PC4405EX

Dimensions and weights

Crane lifting moment	5 tonnes metre
Swivel reach	2 x 15 degrees
Max. height	approx. 9.4 m
Max. reach	approx. 6.4 m
Max. lifting load	approx. 2,700 kg
Own weight	approx. 2,835 kg
Width	100 cm
Height	180 cm
Length	249 cm

Hydraulic pump

Pump type	Plunger pump
Working pressure	250 bars
Hydraulic valves	5 x electric hydraulic

Batteries

Capacity	approx 14 kWh
Charging	230VAC/16A
Type of battery	Lithium

Control

Type	Radio remote control
Brand/type	ARCON T5, all functions fully proportional, ATEX compliant design

Control system

PLC	IFM Mobile controller
Communications	CAN bus
Power	24 VDC

Undercarriage

Undercarriage motor	Hydraulic/planetary reduction
Tracks	Rubber tracks, stainless steel conveyors
Tensioning	Grease tensioner

Crane arm

Telescopic section	4 x hydraulic, 1x manuel telescopic fixed hook
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Safety provisions

> PLC controlled load moment safety

ATEX

Zone	ATEX – 3G IIB T3 (zone 2)
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Storage space

> Provided with two lockable storage areas
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Subject to alteration regarding changes in models, technical specifications, visual presentations or other information.