



# HAY CRANES



# THE ADVANTAGE OF THE PRESSING CYLINDER

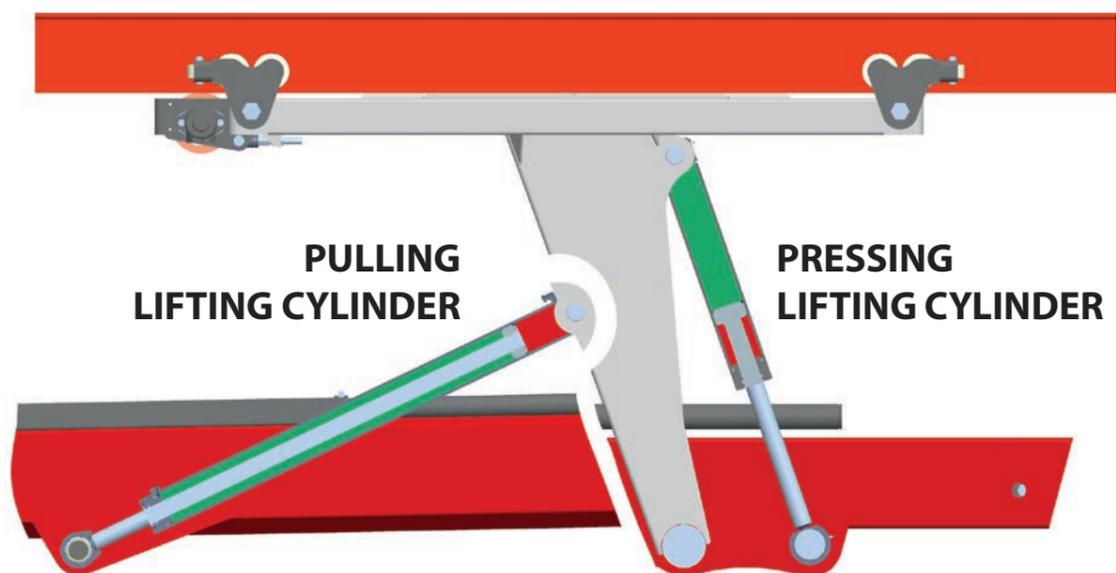
## Using the laws of physics correctly

A cylinder has most power when the piston rod is moving out. When the rod is moving in, the cylinder has less power, but also needs less oil. Here at STEPA we have made use of this knowledge and arranged the lifting cylinder behind the crane post ('**PRESSING LIFTING CYLINDER**').

The result is that a STEPA hay crane needs less oil for lifting and lowering, higher speeds are possible, the oil heats up less and the crane's movements are better. For what is now 25 years and thus for over 15,000 STEPA customers our courage to make changes has proved its worth thousands of times over.

The pressing lifting cylinder is also found in many PALFINGER products, ranging from 'F' for forestry cranes, via 'L' for lorry loading cranes all the way to 'R' for recycling cranes.

## Expertise that you can see!



## Proven STEPA standards

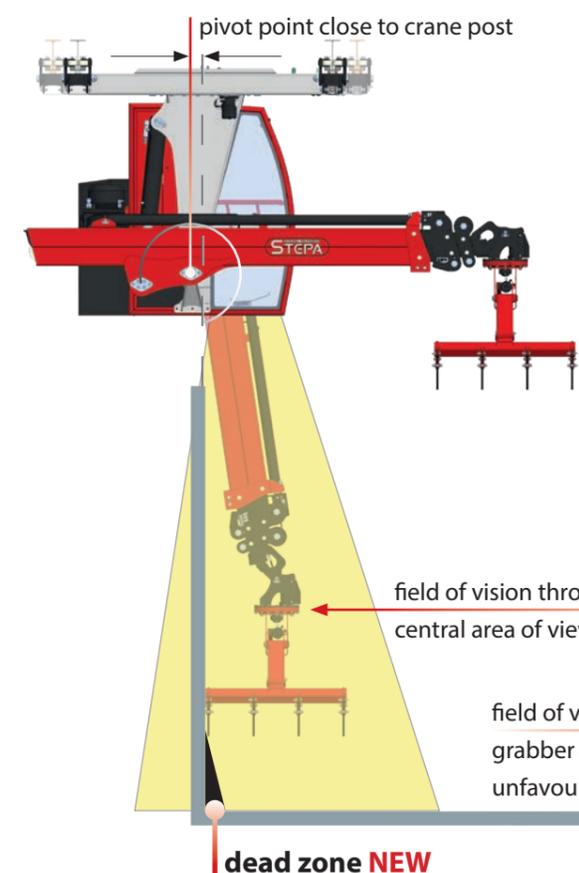
- the ideal crane geometry
- correctly arranged cylinder
- lower oil consumption
- higher speeds
- proven thousands of times over
- performs similarly in heat and cold

# STEPA KNOW-HOW OPTIMISED CRANE GEOMETRY

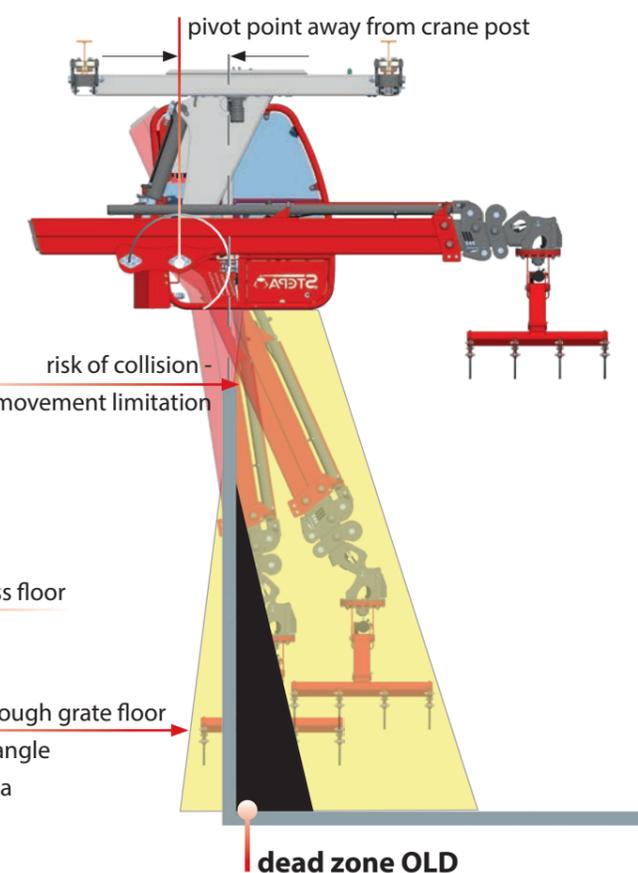
## A direct comparison shows the new strengths

The new '30 Years' crane generation fares well by any comparison. The improved crane geometry makes it possible to reach what was previously unreachable. With no transverse or tracked sideways movement at all, even hard to reach corners are now no longer a problem. An inexpensive, standard capability from which every STEPA customer now benefits.

### NEW '30 Years' edition H 5084B



### 2015 model H 5090B



## '30 Years' edition improvements

- pivot point close to the crane post
- more possibilities as standard
- better visibility, everything in view
- now practically no blind spot
- overcoming obstacles made easy
- now only smaller protrusions necessary when using rails that lead into open space or cross-bridges
- as a result also less of a load on the roof structure

# CRANE CABIN

## '30 YEARS' EDITION

noise insulating mat

two powerful LED headlights

high-quality control box with or without automatic start-up  
operating hours counter and EMERGENCY OFF button

optimised cabin visibility above, below and to the rear

high-quality side window for top visibility

handy STEPA compartment for paperwork

wide entrance into the cabin

more room between the levers

additional side window for a better diagonal view below  
lightweight and robust tubular cabin structure

rearranged pedals with less play

abseil fixture for emergencies

optionally available with radio and two loudspeakers

optionally available with rear glass window

super silent pump  
from H50 as standard

two possible seat sizes  
optionally available with heated seat

foldable engine hood for greater noise protection

contact seat switch for greater safety

fitted with one or two  
well-protected quiet electric motors

large hydraulic tank with oil level indicator  
optionally available with hydraulic tank heating

modern colour scheme  
red-and-black for added elegance

optimised, smaller turning circle

### '30 Years' edition improvements

- lightweight and robust tubular cabin structure
- optimised cabin visibility
- safety glass side pane in footwell
- rearranged pedals
- wide entrance into the cabin
- more room between the levers
- foldable engine hood / noise insulation
- one or two electric motors
- smaller turning circle
- STEPA compartment
- optionally with heated seat
- optionally with rear glass window
- optionally with hydraulic tank heating
- colour scheme in red-and-black
- from H50 with super silent pump as standard

### Proven STEPA standards

- spacious cabin
- two LED headlights
- high-quality side window
- metal sheet floor as standard
- toughened glass floor optionally
- noise insulating mat
- large hydraulic tank
- abseil fixture
- oil level indicator
- available with two different seats
- high-quality control box
- EMERGENCY OFF button
- contact seat switch according to norm
- optionally available with radio

# AIR-CON CABIN XL

## MORE SPACE AND POWER



with 3 different speed levels

now with rear-view visibility, thanks to back window

third headlight for better illumination

**NEW**

separate compact control panel

10 cm more space between control panel and entry door

three powerful LED headlights as standard

more seat adjustment options

more legroom

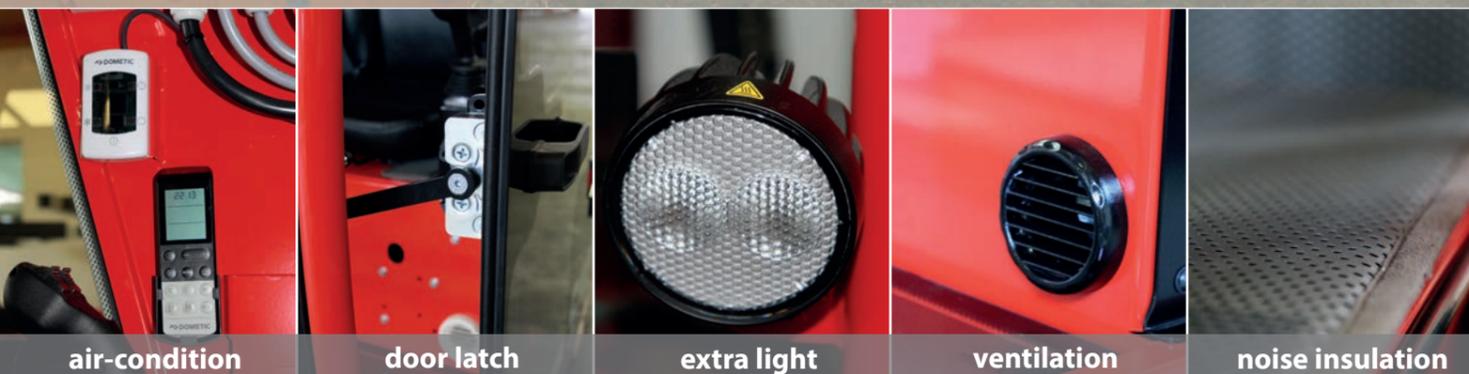
control box accessible from the inside

two windows for optimum rear visibility

10 cm higher cabin

more space with the same turning circle

+ 4 cm    + 6 cm  
10 cm longer cabin



air-condition

door latch

extra light

ventilation

noise insulation



air outlet

control panel



### '30 Years' edition AIR-CON Cab

- fully enclosed cabin
- high-performance air-conditioning
- wide-opening doors with gas cylinders
- proprietary control software with CAN bus control system
- error code display just in case
- with joystick and/or wireless and combined control system possible
- optionally with large seat
- optionally with heated seat
- optionally with hydraulic tank heating
- optionally with radio (Bluetooth, DAB, USB) and two loudspeakers
- 3 LED headlights as standard
- with rear window and visibility to the rear
- various speed levels

### AIR-CON cabin XL - more space - more power

- 2 heating levels with 2kW and 4kW (standard air-con cabin 500 W)
- cooling capacity 4 kW (standard air-con cabin 3 kW)
- stepless fan control
- many other optional equipment variants:
  - large seat
  - heated seat
  - reversing switch for oil cooler
  - weighing system, etc.

# WE SHOW PROFILE WITH 4 CORNERS AND EDGES

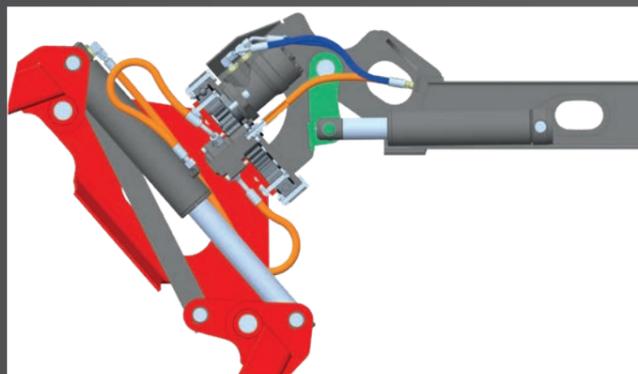


- large boom dimensions
- high-strength steel cables with large deflection pulleys
- runs very quietly even at maximum speed
- high pull-in strength levels thanks to strong cylinder
- compact design with long reach
- low-maintenance design
- internal hose guide

- synchronisation control on all 3-part telescopic systems
- end stop dampers on all 4-part telescopic systems
- thanks to the 6 hoses in the boom system no switch valve or solenoid valve is required
- every function is initiated directly proportionally

## Rotation lift-up system

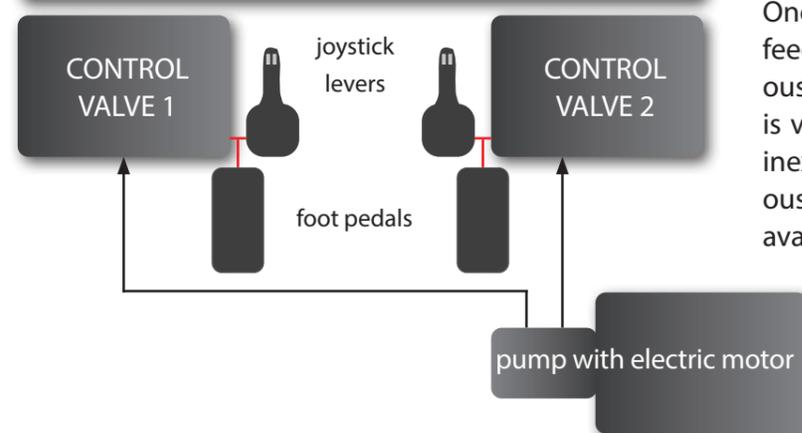
- the lowest and most compact design
- intelligent hose guide
- protected from A to Z
- greater stability for added safety
- increased lift-up strength
- includes service cover for best possible access



# OPTIONAL EXTRA POWER SENSITIVELY CONTROLLED

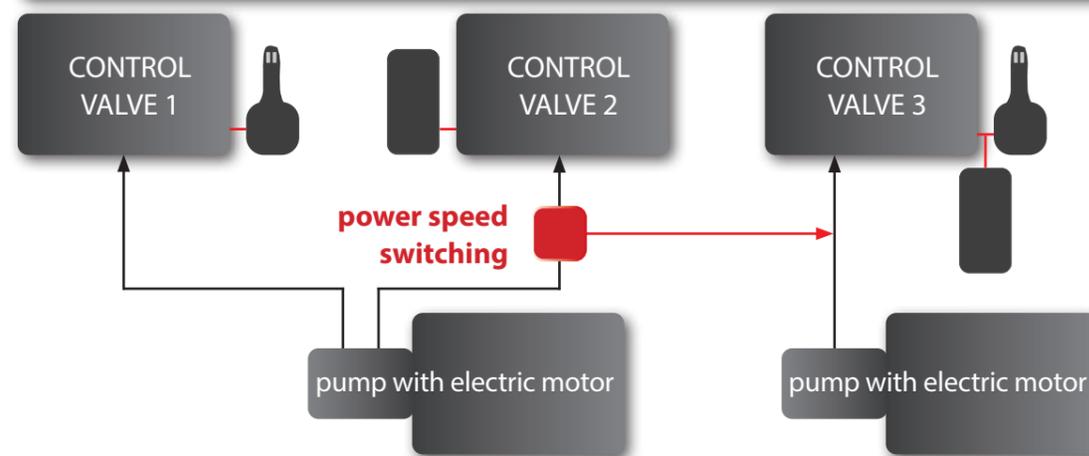
## Move quickly and intelligently

### 2-circuit system: STANDARD ease of operation



One power unit complete with pump feeds two control valves. Simultaneously operating multiple functions is very much possible. A proven and inexpensive system that simultaneously makes maximum use of the available power.

### 3-circuit system: MORE POWER AT THE RIGHT TIME IN THE RIGHT PLACE



Upon request, STEPA turns **TWO** into **THREE** and offers an even faster, but still sensitive and precise crane control.

Using their pumps, two power units feed three control valves. In this way, important functions can be fed using a dedicated circuit and operated at maximum speed. At the same time, all other functions can be controlled in even better combination with each other. A further highlight is provided by optionally available 'power speed switching': Where necessary, it enables the second control circuit to be connected to the third control circuit.

**The advantage of this: more power at the right time in the right place.**

# TRIPLE TELESCOPIC BOOM

## SIMPLY THREE TIMES AS GOOD



H 4272 B

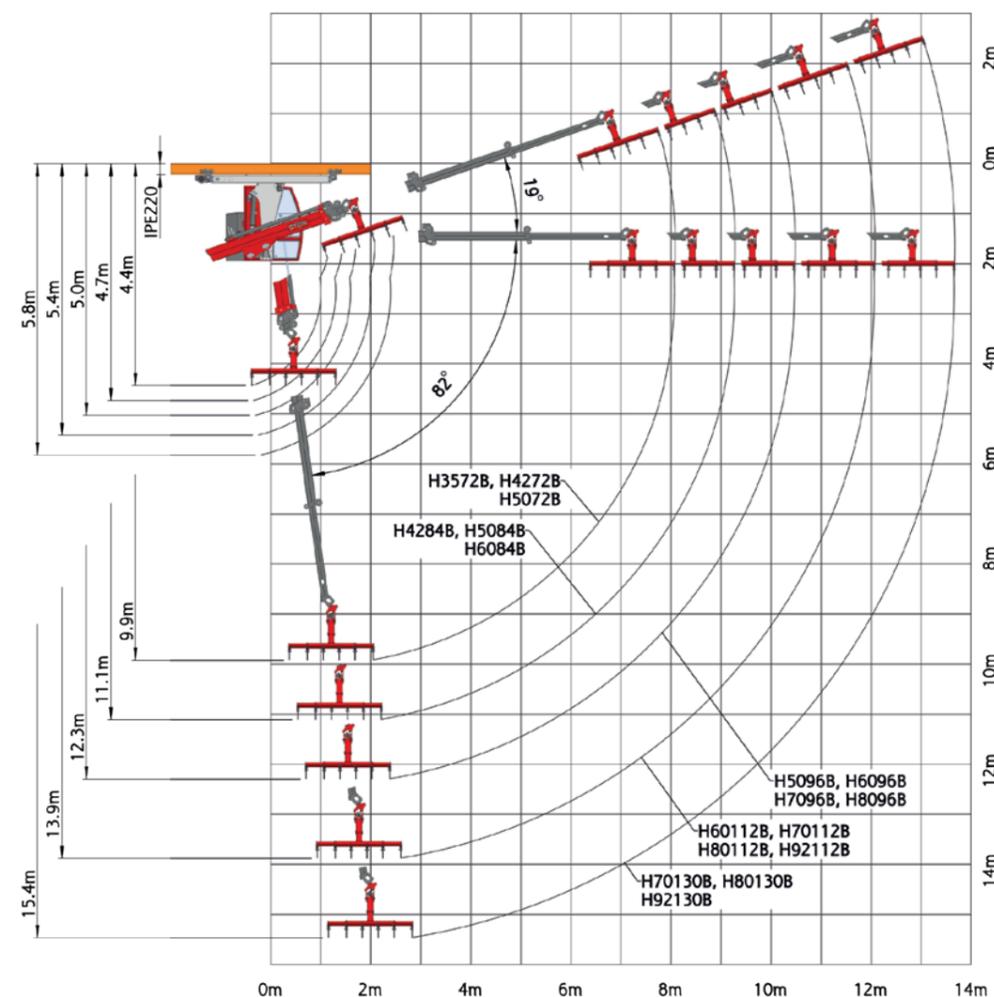
**NEW**  
with electric control, optionally with end position damping for lifting and telescopic boom

### 1 cylinder - 3 extensions - 5 advantages

STEPA's best-selling boom system impresses with its special features:

- very high extension and retraction speeds
- short design with small turning circle
- intelligent hose guide, no hose drum required
- low oil consumption thanks to deflection pulleys and cable discharge
- with synchronisation control

optionally with extra head-light in the telescopic boom



type	gross lifting torque	net lifting torque	max. load capacity at the hook at maximum reach	power unit performance
H3572B	4.0 mto	3.4 mto	360 kg / 7.2 m	5.5 kW
H4272B	4.9 mto	4.3 mto	480 kg / 7.2 m	5.5 kW
H4284B	4.9 mto	4.2 mto	370 kg / 8.4 m	5.5 kW
H5072B	5.6 mto	5.0 mto	570 kg / 7.2 m	7.5 kW
H5084B	5.6 mto	4.9 mto	450 kg / 8.4 m	7.5 kW
H5096B	5.6 mto	4.8 mto	360 kg / 9.6 m	7.5 kW
H6084B	6.7 mto	6.0 mto	580 kg / 8.4 m	7.5 kW
H6096B	6.7 mto	5.9 mto	470 kg / 9.6 m	7.5 kW
H60112B	6.7 mto	5.7 mto	350 kg / 11.2 m	7.5 kW
H7096B	7.6 mto	6.8 mto	550 kg / 9.6 m	5.5 + 7.5 kW
H70112B	7.6 mto	6.6 mto	420 kg / 11.2 m	5.5 + 7.5 kW
H70130B	7.6 mto	6.4mto	320 kg / 12.8 m	5.5 + 7.5 kW
H8096B	8.7 mto	7.6 mto	650 kg / 9.6 m	5.5 + 7.5 kW
H80112B	8.7 mto	7.4 mto	510 kg / 11.2 m	5.5 + 7.5 kW
H80130B	8.7 mto	7.2 mto	400 kg / 12.8 m	5.5 + 7.5 kW
H92112B	9.9 mto	8.6 mto	610 kg / 11.2 m	5.5 + 7.5 kW
H92130B	9.9 mto	8.4 mto	490 kg / 12.8 m	5.5 + 7.5 kW

max. load capacity 1,000 kg

# QUADRUPLE TELESCOPIC BOOM SHORTER AND LONGER



H 70120 C

**NEW**  
with electric control, optionally with end position damping for lifting and telescopic boom

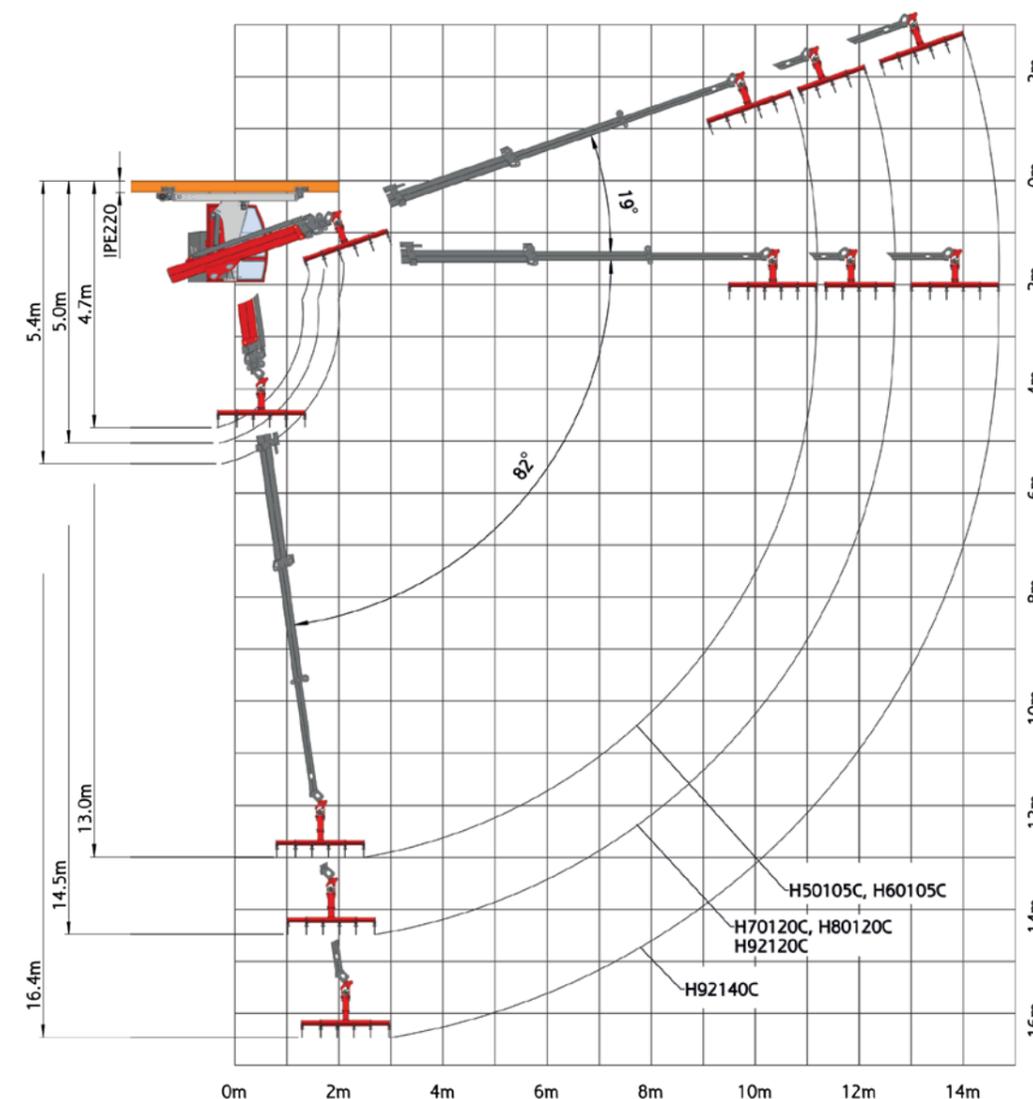
## When things get tight, the answer is a 4-part telescopic boom

STEPA's compact and nimble solution for narrow stable buildings

- shorter than any other crane
- enormous reach of up to 16m possible
- proven internal hose guide
- two strong telescopic cylinders
- even bigger boom dimensions
- automatic end stop damping



compact and yet  
with great reach



type	gross lifting torque	net lifting torque	max. load capacity at the hook at maximum reach	power unit performance
H50105C	5.6 mto	4.8 mto	280 kg / 10.3 m	7.5 kW
H60105C	6.8 mto	5.8 mto	390 kg / 10.3 m	7.5 kW
H70120C	7.6 mto	6.5 mto	350 kg / 11.8 m	5.5 + 7.5 kW
H80120C	8.7 mto	7.5 mto	440 kg / 11.8 m	5.5 + 7.5 kW
H92120C	9.8 mto	8.5 mto	530 kg / 11.8 m	5.5 + 7.5 kW
H92140C	9.8 mto	8.3 mto	390 kg / 13.8 m	5.5 + 7.5 kW

max. load capacity 1,000 kg

# TELESCOPIC KNUCKLE BOOM CRANE WITH NEW EXTENSION SYSTEM



**NEW**

with electric control, optionally with end position damping for lifting and telescopic boom

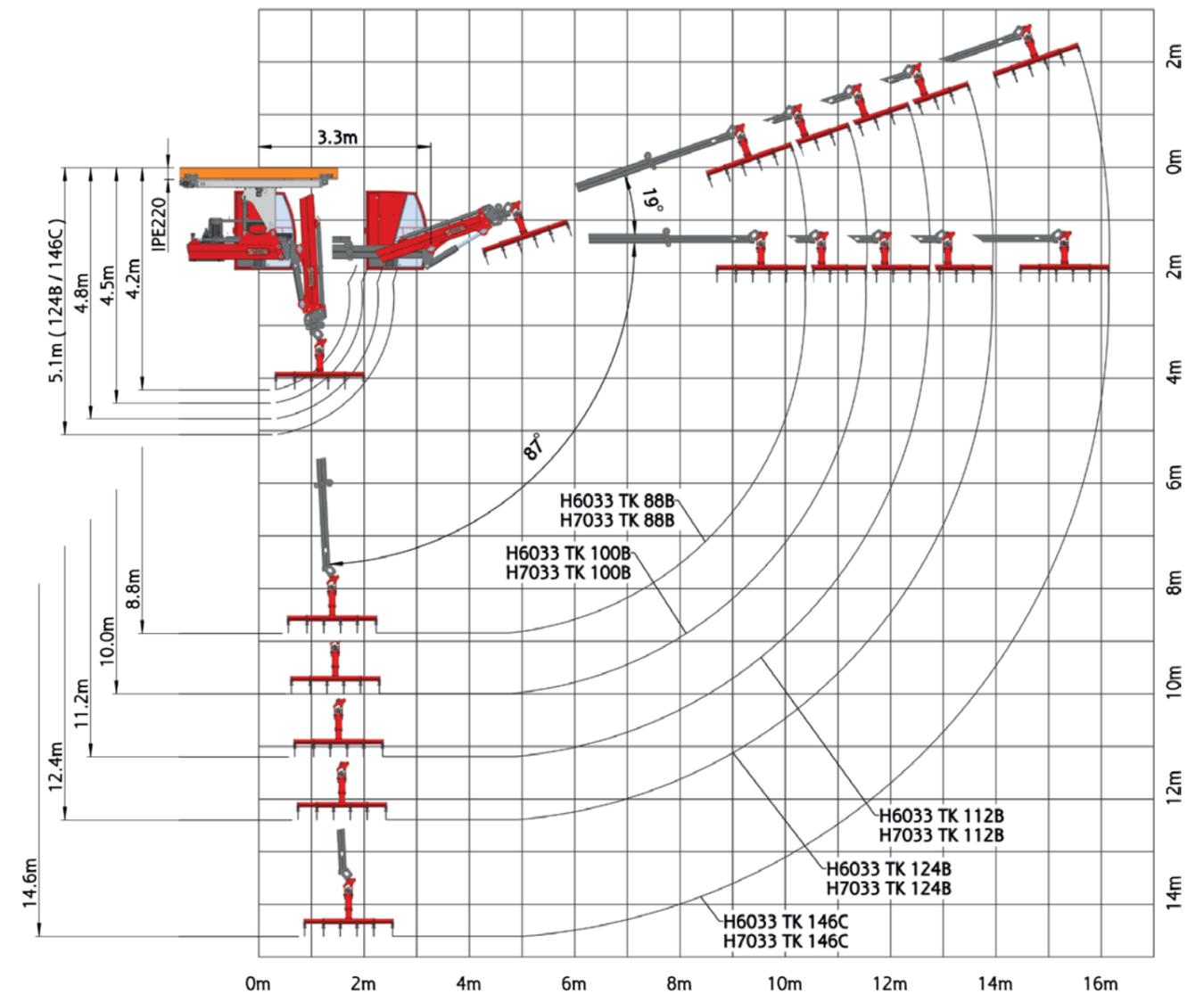
## Greater lifting power when cabin is extended

The separation of cabin and tank, complete with electric power units and hydraulic pumps, now makes this crane model even more powerful when the cabin is extended, while having no impact on the load on the roof structure.

H 6040 TK 124 B

## '30 Years' Edition improvements

- shorter retracted length thanks to double telescopic boom system
- up to 3.3m extension
- new and bigger boom profiles
- available in 2 lift categories and up to 5 different knuckle boom systems
- new hose guide with cab extension system
- now also available with AIR-CON cabin



type	max. load capacity at the hook at maximum reach	power unit performance	cabin telescopic boom	knuckle boom telescopic boom
H6033 TK 88B	460 kg / 9.5 m	7.5 kW	double	triple
H6033 TK 100B	370 kg / 10.7 m	7.5 kW	double	triple
H6033 TK 112B	300 kg / 11.9 m	7.5 kW	double	triple
H6033 TK 124B	230 kg / 13.1 m	7.5 kW	double	triple
H6033 TK 146C	0 kg / 15.3 m	7.5 kW	double	quadruple
H7033 TK 88B	550 kg / 9.5 m	7.5 kW	double	triple
H7033 TK 100B	450 kg / 10.7 m	7.5 kW	double	triple
H7033 TK 112B	370 kg / 11.9 m	7.5 kW	double	triple
H7033 TK 124B	300 kg / 13.1 m	7.5 kW	double	triple
H7033 TK 146C	0 kg / 15.3 m	7.5 kW	double	quadruple

max. load capacity 1,000kg

# TELESCOPIC KNUCKLE BOOM CRANE

## BETTER OVERVIEW



**NEW**

with electric control, optionally with end position damping for lifting and telescopic boom

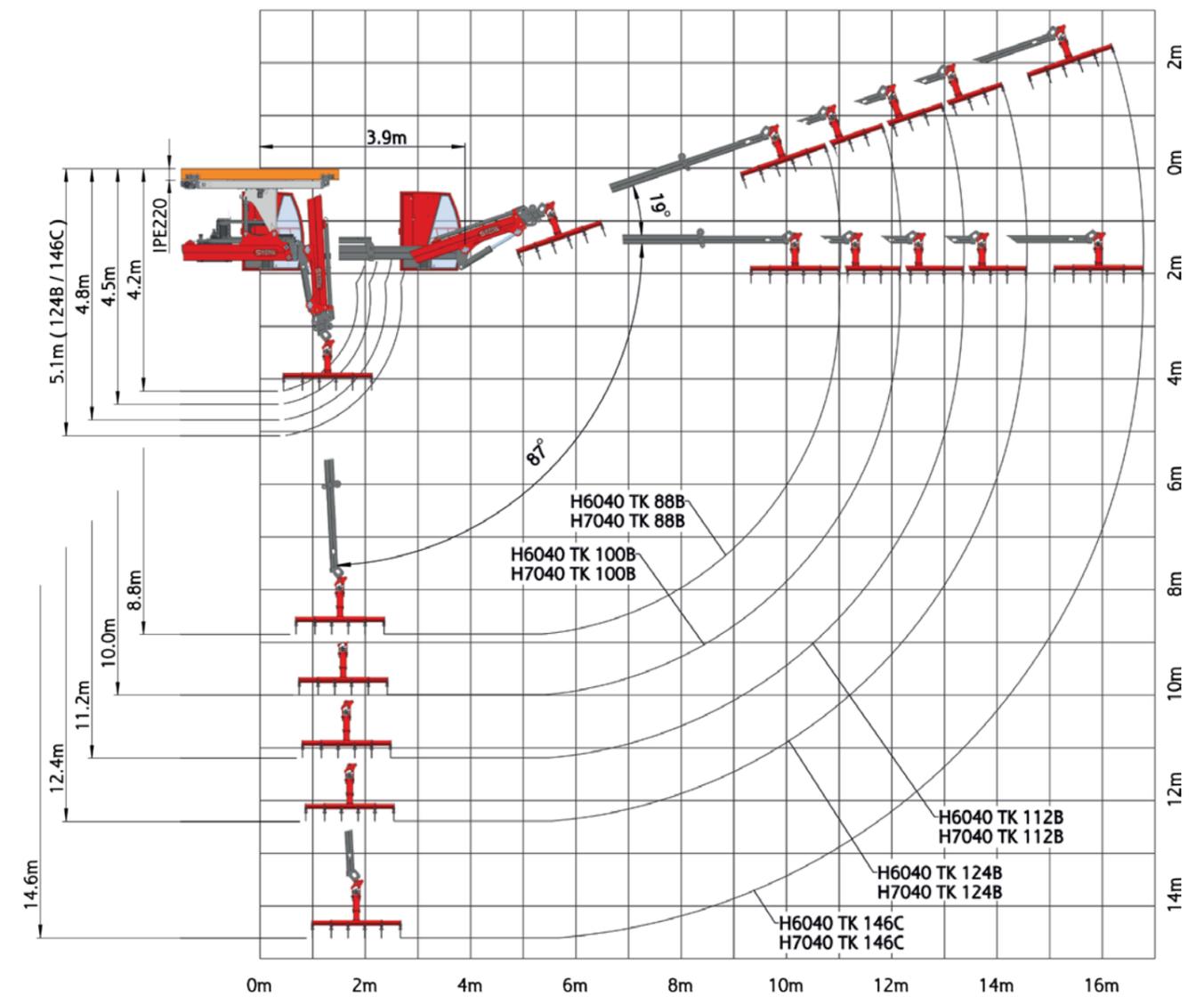
**No obstacle is too much for it**

With even greater reach of nearly 4m and with more lifting capacity, the large variant can reach even the most remote areas in the building.

H 6040 TK 124 B

### '30 Years' Edition improvements

- shorter retracted length thanks to double telescopic boom system
- up to 4.0m extension
- new and bigger boom profiles
- available in 2 lift categories and up to 5 different knuckle boom systems
- new hose guide with cab extension system
- now also available with AIR-CON cabin



type	max. load capacity at the hook at maximum reach	power unit performance	cabin telescopic boom	knuckle boom telescopic boom
H6040 TK 88B	350 kg / 10.2 m	7.5 kW	double	triple
H6040 TK 100B	270 kg / 11.3 m	7.5 kW	double	triple
H6040 TK 112B	220 kg / 12.5 m	7.5 kW	double	triple
H6040 TK 124B	160 kg / 13.7 m	7.5 kW	double	triple
H6040 TK 146C	0 kg / 15.9 m	7.5 kW	double	quadruple
H7040 TK 88B	440 kg / 10.2 m	7.5 kW	double	triple
H7040 TK 100B	350 kg / 11.3 m	7.5 kW	double	triple
H7040 TK 112B	290 kg / 12.5 m	7.5 kW	double	triple
H7040 TK 124B	230 kg / 13.7 m	7.5 kW	double	triple
H7040 TK 146C	0 kg / 15.9 m	7.5 kW	double	quadruple

max. load capacity 1,000kg

# ONE CHASSIS FOR YOUR ROOF STRUCTURE



transverse chain drive



curve travelling mechanism



cross-bridge

# ACCESSORIES CONTROL MODES



extra lever



change-over button



3-circuit joystick control  
hydraulic or electric



reversing switch  
for oil cooler



3-circuit  
wireless remote control



power speed button



metal sheet floor  
as standard



oil cooler

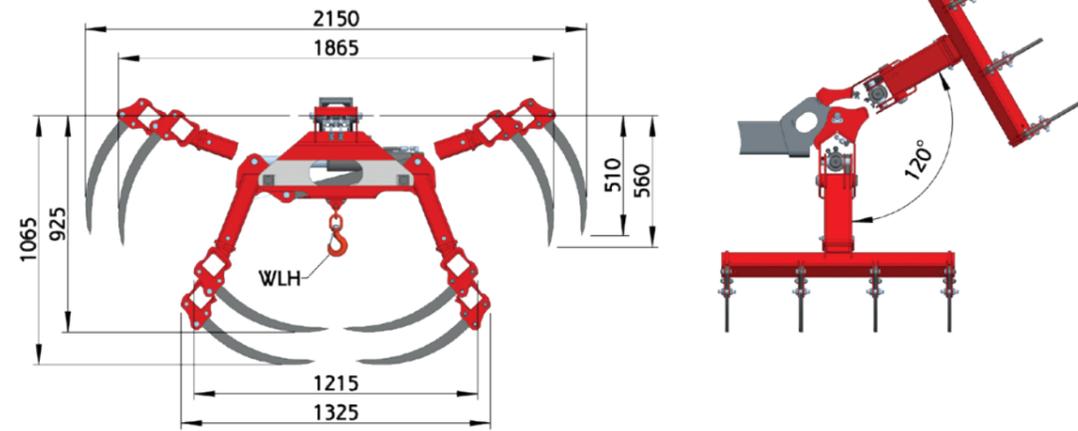


optionally with two  
electric power units

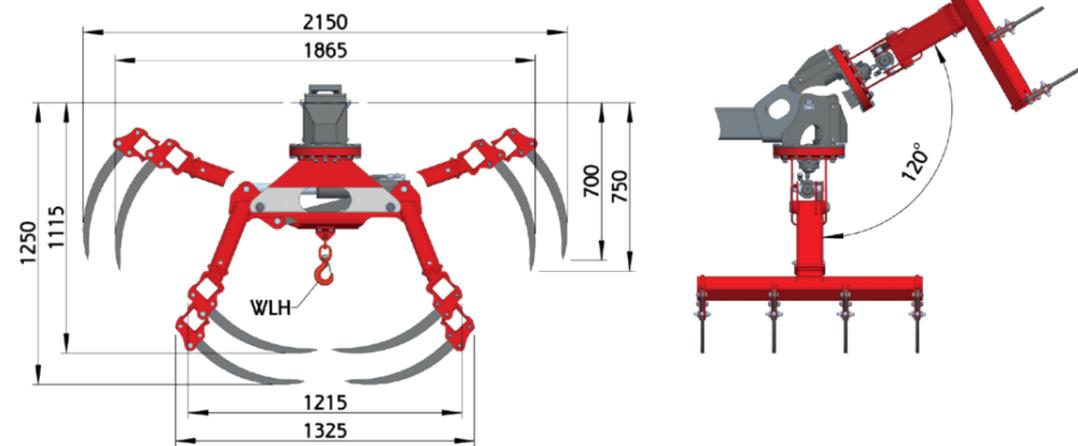


# GRAB ONE NOW! STRONGER THAN ANY OTHER

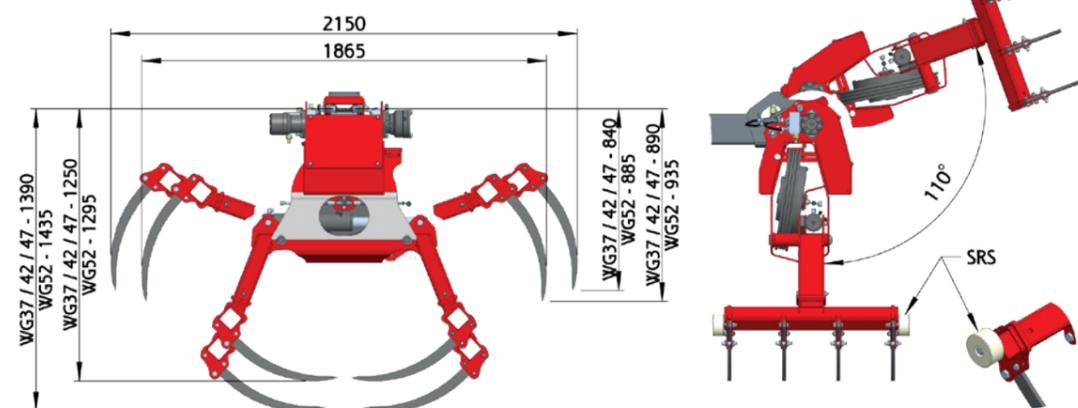
Grab HG or HGS with lift-up system



Grab RG or RGS with rotation lift-up system



Grab WGS with winch and lift-up system



# DIVERSE OFFERING FOR OPTIMAL WORKING



working with radio remote control  
and swivel load hook

H 6040 TK 124 B

# THE PERFECT PARTNER FOR AGRICULTURE



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