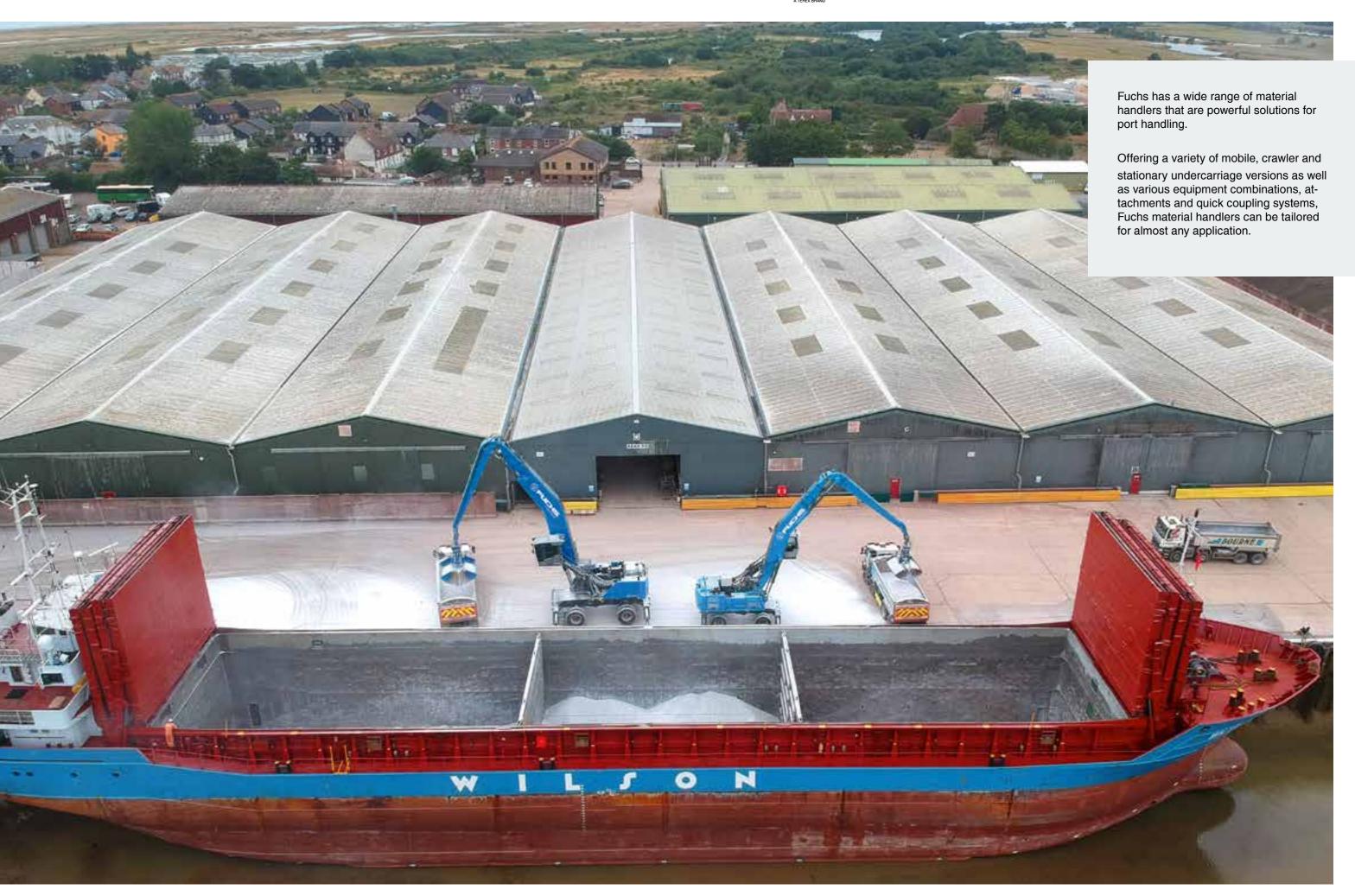
## PORT HANDLING

LET'S HANDLE IT!











\*Options





#### **ATTACHMENTS AND LOADING EQUIPMENT**

- Robust and FEM-optimised loading device, designed for heavy-duty material handling applications
- Banana boom for an optimised range curve, which greatly facilitates the unloading of bulk carriers and barges
- Hydraulic installation designed for material handling, with mostly durable piping being used
- · Hose rupture safety valves on allworking cylinders, while boom and stick cylinders also have hydraulic regeneration for enhanced efficiency and safety in every application
- Tool control: oil flowrate and pressures for attachments individually adjustable
- Blue Hybrid System: Storage of surplus energy during lowering of the loading equipment in accumulators, which can be used during the next loadcycle

#### **UPPERCARRIAGE**

- High-performance cooling systems, with separate coolers for the engine, the hydraulic oil and air conditioning
- Fans with thermostatic control, ensuring temperatures consistently remain within the optimal range. This prolongs their lifespan and helps to reduce operating costs
- Highly efficient mobile hydraulics
- Rear view and side camera

#### UNDERCARRIAGE

- Mobile \*
- Crawler
- Portal '
- Rail-car

#### CAB

- Fuchs comfort cab
- Large panoramic ceiling for an opti-

#### DRIVE

 Blue Hybrid System reduces fuel consumption up to 35%. The system power of 500 kW ensures energyefficient loading cycles, maximum handling performance and increases productivity

#### Diesel engine

- · Low emissions thanks to state-of-theart EU Stage 5 exhaust gas cleaning system
- Best-in-class fuel consumption
- Exhaust system incl. DPF's are optimally protected against mechanical damage
- Extended oil service period

#### **Electric motor**

- Low operating costs
- Minimum noise
- ZERO local emissions

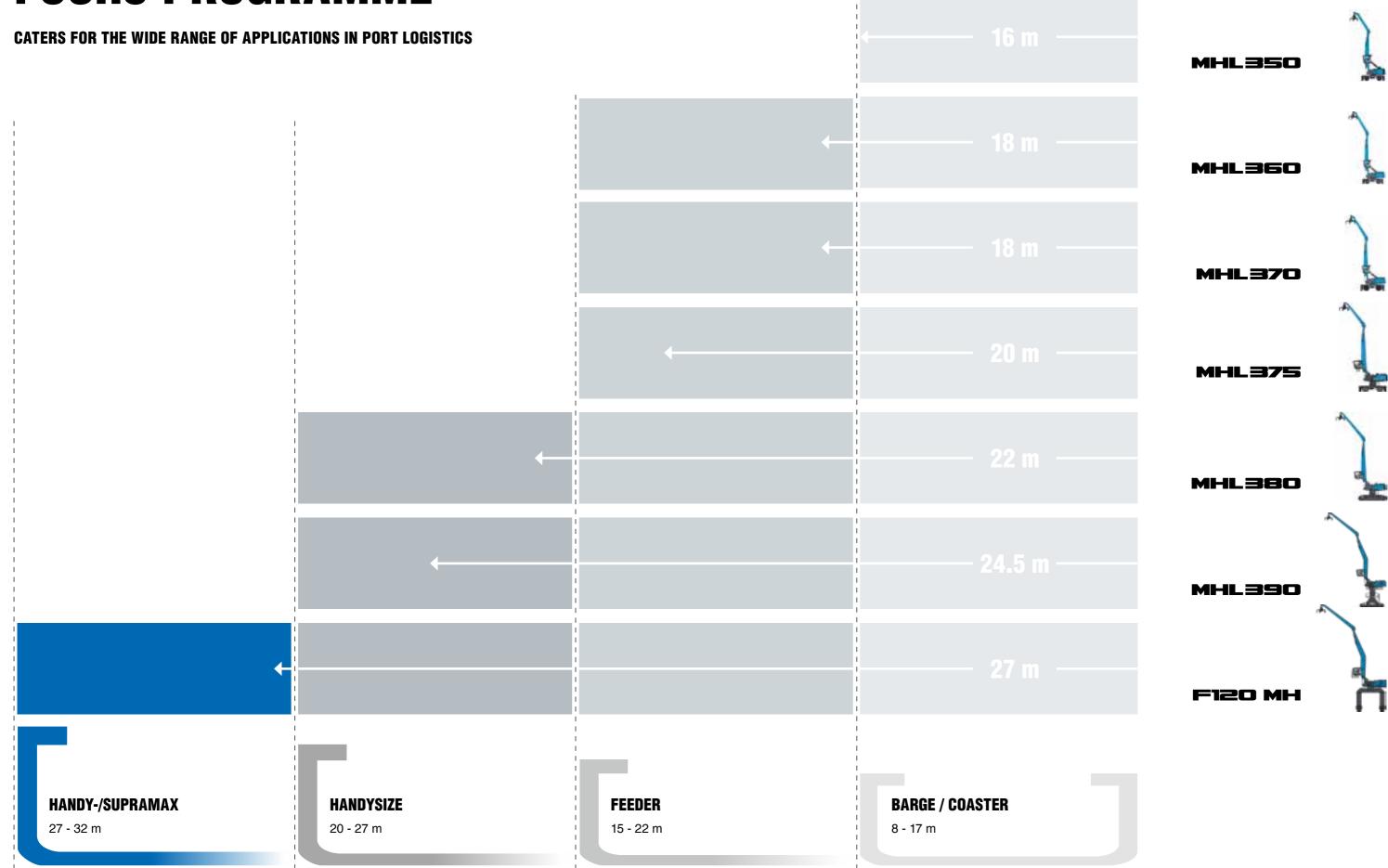
#### **FUCHS SERVICE PLATFORM**

- Unique in the market
- Gantry machine: Service platform access via catwalk
- Secure place for carrying out service
- Convenient access to engine compartment, Fuchs Hybrid system components, main control block, central lubrication system, air filter, tanks and much more.
- Generous maintenance flaps made of sheet steel with gas spring
- Maintenance work can be completed quickly, safely and comfortably



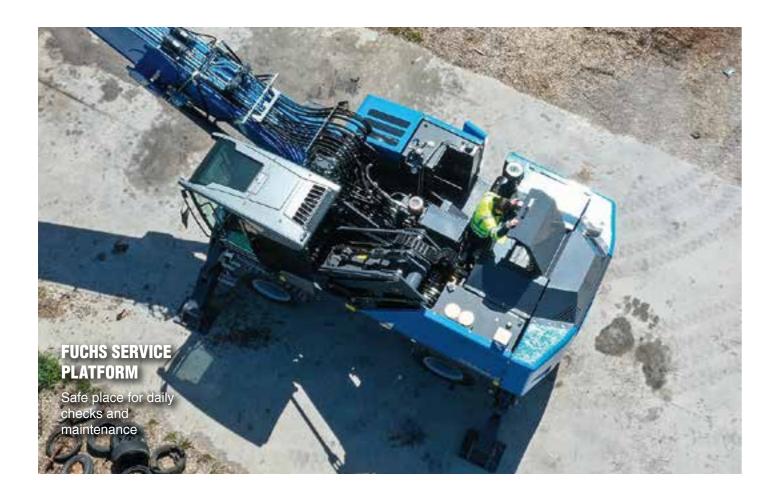


## **FUCHS PROGRAMME**





## **GREAT FEATURES COME STANDARD WITH YOUR FUCHS**



#### **HYDRAULIC PIPES**

Metal pipes, great longevity



#### **SEPARATED COOLING SYSTEM**

For engine and hydraulic oil coolers



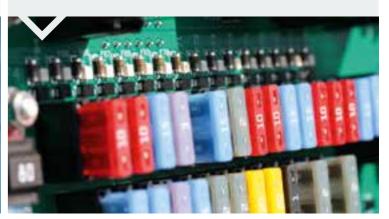
#### **DUAL-EAR PIN CONNECTION**

Optimal distribution of force, high longevity, less wear and tear



#### **QUICK FUSE CHECK BUTTON**

Fuses can be checked quickly and easily



#### **HOSE RUPTURE SAFETY VALVES**

Hose rupture safety valves with regeneration function as standard from the MHL360 to the F120 MH



#### **CONTROL DISPLAY**

Touchscreen LCD display: the dashboard provides all important information at a glance



#### **OIL PRESSURE AND FLOW ADJUSTMENT**

Parameters can be easily fine-tuned to your personal preference



#### **SLEWING RING**

Internally geared double row slewing ring bearing, greasing via automatic lubrication system



# **SPECIAL OPTIONS**FOR PORT APPLICATIONS





#### **BANANA BOOM**

Extended reach over ship wall



## HIGH PRESSURE FILTRATION SYSTEM FOR ATTACHMENTS

Effective protection against contamination of hydraulic oil caused by damaged or leaking attachments monitored on the display



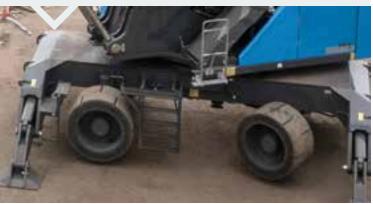
#### TRIPLE GROUSER PLATE

Suitable for challenging ground conditions



#### **SINGLE TYRES**

Maximum ground clearance





# ELECTRIC DRIVEN MATERIAL HANDLER

Electric drives are today's forward-looking trend. This is particularly the case with indoor applications, stationary machines and machines with rail undercarriage, in which powerful zero-emission electric drives have very tangible advantages. They include low operating and servicing costs and low noise emissions. The extensive use of standard components from our range of diesel driven models ensure that spare parts are widely available.

Thanks to the Power Pack, users of electric driven material handlers gain greater flexibility. The Power Pack allows electric material handlers to be driven from one power socket to the other, independently of any external electricity supply.

The right connection, every single time: the cable lengths and reel designs of Fuchs electric machines are adapted to customer's specific needs, in line with the required range and the available connection options on site.





No exhaust gases, little noise and very little heat output: ideal features when operating indoors or close to residential areas.







- EU Stage V/ U.S. Tier 4
- EU Stage IIIA/ U.S. Tier 3 \*
- Deutz 6.1 L6 / TCD2013 L6
- 6-cylinder inline

#### **ELECTRIC MOTOR**

Power: 132 kW Total connected load: 170 kW Motor start: via soft start Optional cable reel: up to 50 metres (other lengths on request)

#### **LOADING EQUIPMENT**

with dipperstick

 with universal stick 14.7 m • Fuchs QuickConnect 11.0 m

15 m / 16 m

#### **CAB SYSTEMS**

vertically adjustable



**35.5** t



\* for low-regulated markets



160 kW



148 kW



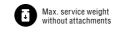
132 kW











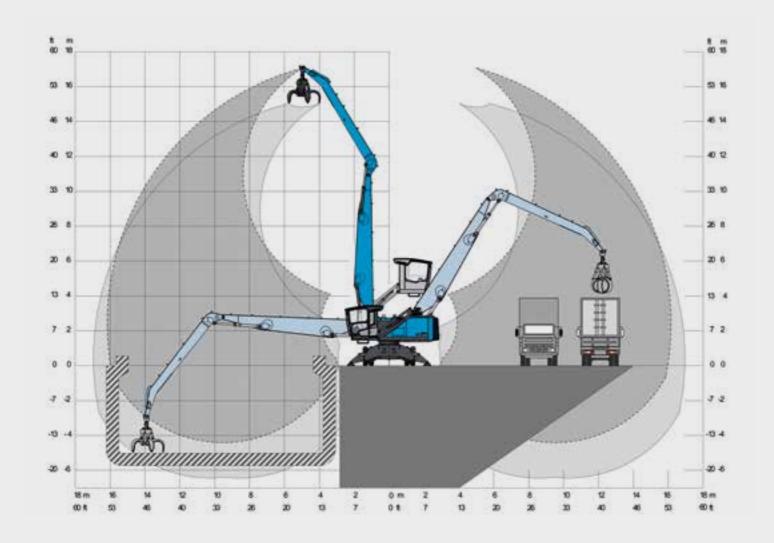




### **Application Example**

20

- LOADING EQUIPMENT: 16 M CABIN: VERTICALLY ADJUSTABLE
- VIEWING HEIGHT: 5.6 M UNDERCARRIAGE: MOBILE



# UNDERCARRIAGE VARIANTS AVAILABLE FOR DIFFERENT APPLICATION REQUIREMENTS







**Crawler with Pylon** 

RHL350 F (Pylon)



Stationary AHL350 F



Stationary with Pylon AHL350 F (Pylon)













- EU Stage V/ U.S. Tier 4
- EU Stage IIIA/ U.S. Tier 3 \*
- Deutz TCD 7.8 L6 4V / TCD2013 L06 2V
- 6-cylinder inline

#### **ELECTRIC MOTOR**

Power: 160 kW Total connected load: 210 kW Motor start:via soft start Optional cable reel: up to 50 metres (other lengths on request)

#### **LOADING EQUIPMENT**

• with straight boom 16.5 m / 18 m

• with banana boom 18 m

#### **CAB SYSTEMS**

- vertically adjustable
- vertically and horizontally adjustable



**48.8** t



\* for low-regulated markets



190 kW



186 kW



**160** kW









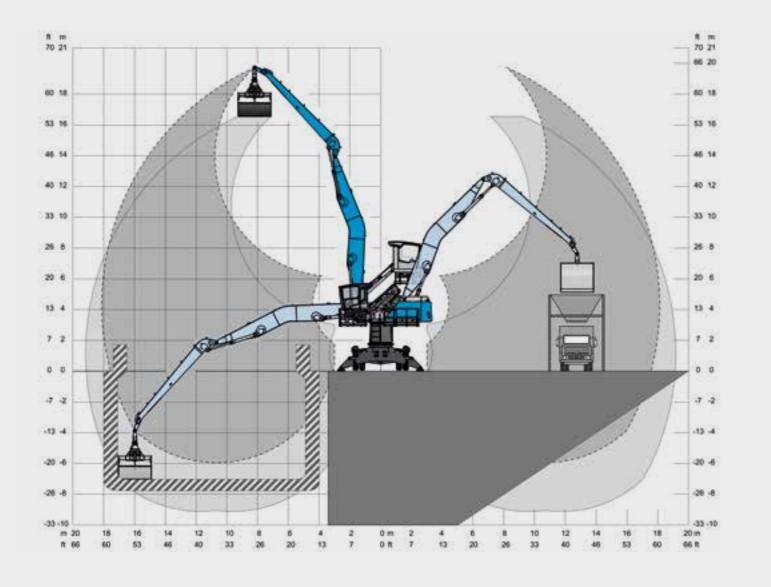






### **Application Example**

- LOADING EQUIPMENT: 18 M (BANANA BOOM) CABIN: VERTICALLY ADJUSTABLE
- VIEWING HEIGHT: 7.5 M UNDERCARRIAGE: MOBILE + PYLON



# UNDERCARRIAGE VARIANTS AVAILABLE FOR DIFFERENT APPLICATION REQUIREMENTS











Stationary AHL360 F

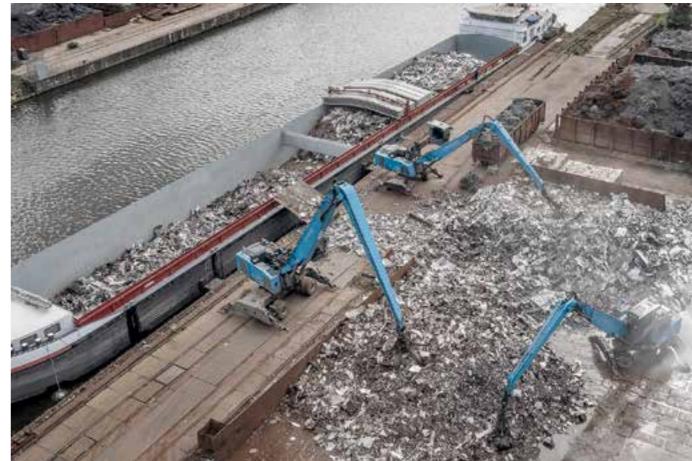


Stationary with Pylon AHL360 F (Pylon)













- EU Stage V/ U.S. Tier 4
- EU Stage IIIA/ U.S. Tier 3 \*
- Deutz TCD 7.8 L6
- 6-cylinder inline

#### **ELECTRIC MOTOR**

Power: 200 kW
Total connected load: 250 kW
Motor start: via soft start
Optional cable reel: up to 50
metres (other lengths on
request)

#### **LOADING EQUIPMENT**

• with straight boom 16.5 m / 18 m

• with banana boom 18 m

#### **CAB SYSTEMS**

- vertically adjustable
- vertically and horizontally adjustable



**230** kW



**230** kW



**200** kW



**52.0** t



**6.1** m

\* for low-regulated markets









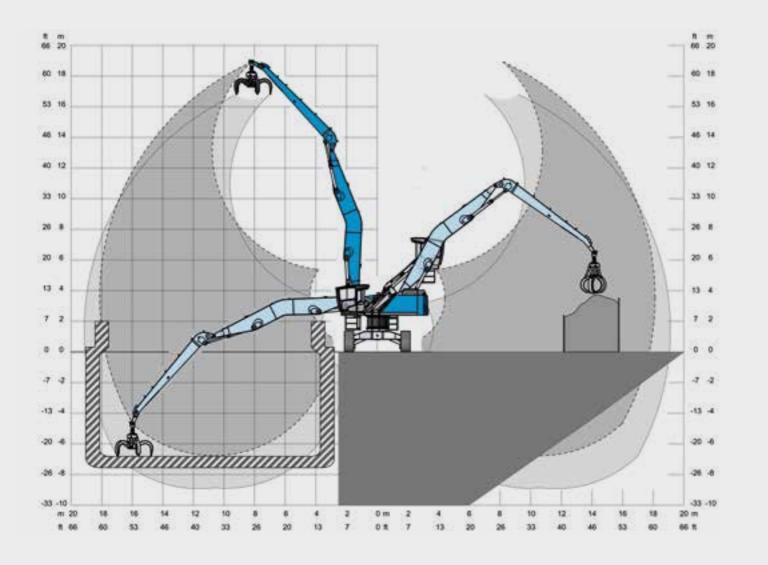






### **Application Example**

- LOADING EQUIPMENT: 18 M (BANANA BOOM) CABIN: VERTICALLY ADJUSTABLE
- VIEWING HEIGHT: 7.5 M UNDERCARRIAGE: CRAWLER + PYLON



# UNDERCARRIAGE VARIANTS AVAILABLE FOR DIFFERENT APPLICATION REQUIREMENTS







Crawler RHL370 F



RHL370 F (Pylon)



Stationary AHL370 F



Stationary with Pylon AHL370 F (Pylon)













- EU Stage V/ U.S. Tier 4
- EU Stage IIIA/ U.S. Tier 3 \*
- Deutz TCD 7.8 L6
- 6-cylinder inline

#### **ELECTRIC MOTOR**

Power: 220 kW
Total connected load: 270 kW
Motor start: via soft start
Optional cable reel: up to 50
metres (other lengths on
request)

#### **LOADING EQUIPMENT**

• with straight boom 18 m / 20 m

#### **CAB SYSTEMS**

- vertically adjustable
- vertically and horizontally adjustable



**65.5** t



.0 m

\* for low-regulated markets



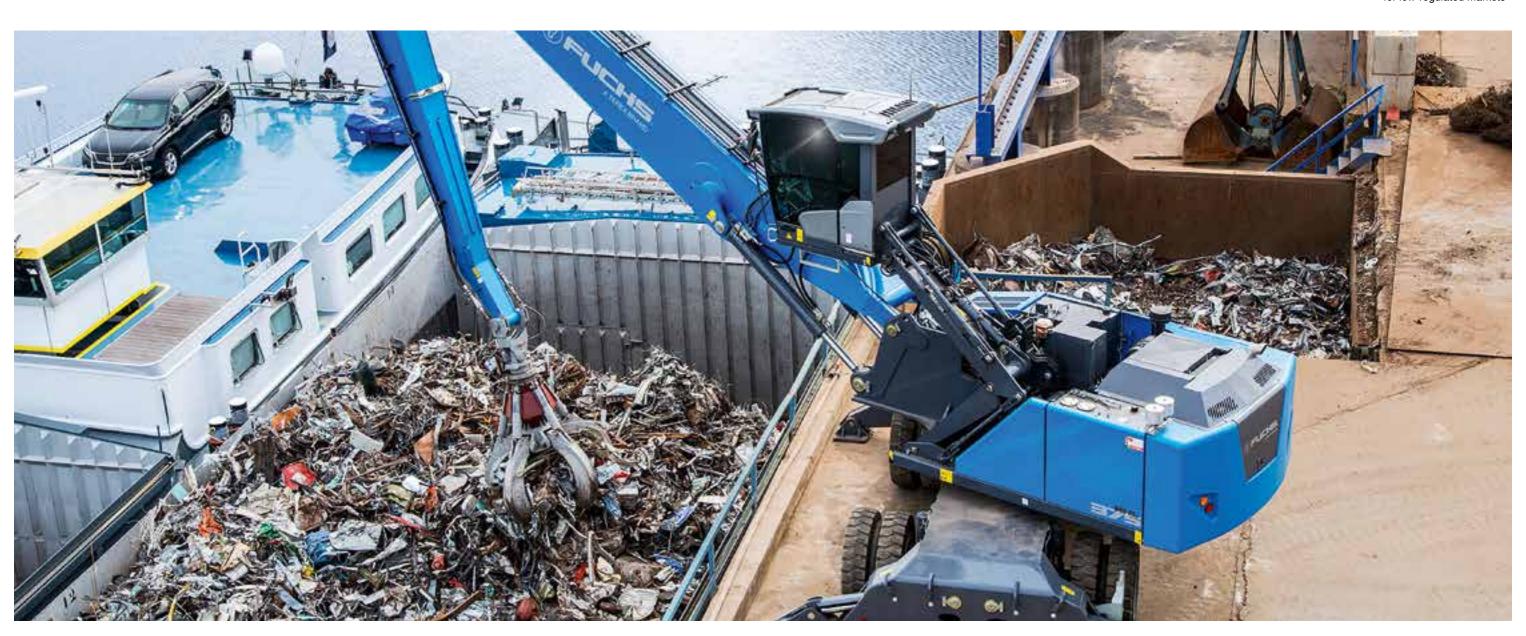
**245** kW



**245** kW



**220** kW









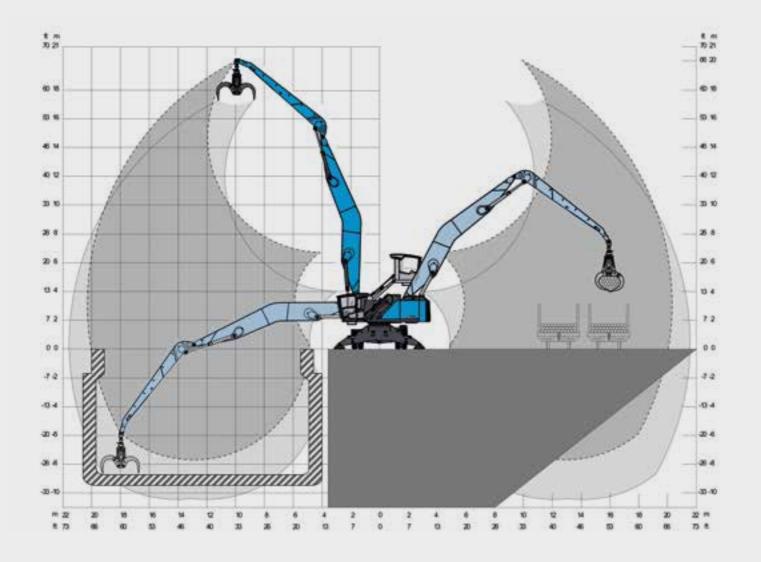






### **Application Example**

- LOADING EQUIPMENT: 20 M (BANANA BOOM) CABIN: VERTICALLY ADJUSTABLE
- VIEWING HEIGHT: 6 M UNDERCARRIAGE: MOBILE



# UNDERCARRIAGE VARIANTS AVAILABLE FOR DIFFERENT APPLICATION REQUIREMENTS









Mobile with PylonStationary with PylonMHL375 F (Pylon)AHL375 F (Pylon)













- EU Stage V/ U.S. Tier 4
- EU Stage IIIA/ U.S. Tier 3 \*
- Deutz TCD 7.8 L6
- 6-cylinder inline

#### **ELECTRIC MOTOR**

Power: 220 kW
Total connected load: 270 kW
Motor start: via soft start
Optional cable reel: up to 50
metres (other lengths on
request)

#### **LOADING EQUIPMENT**

- with straight boom 18 m / 20 m / 22 m
- with banana boom 20 m / 22 m

#### **CAB SYSTEMS**

- vertically adjustable
- vertically and horizontally adjustable



**245** kW



**245** kW



**220** kW

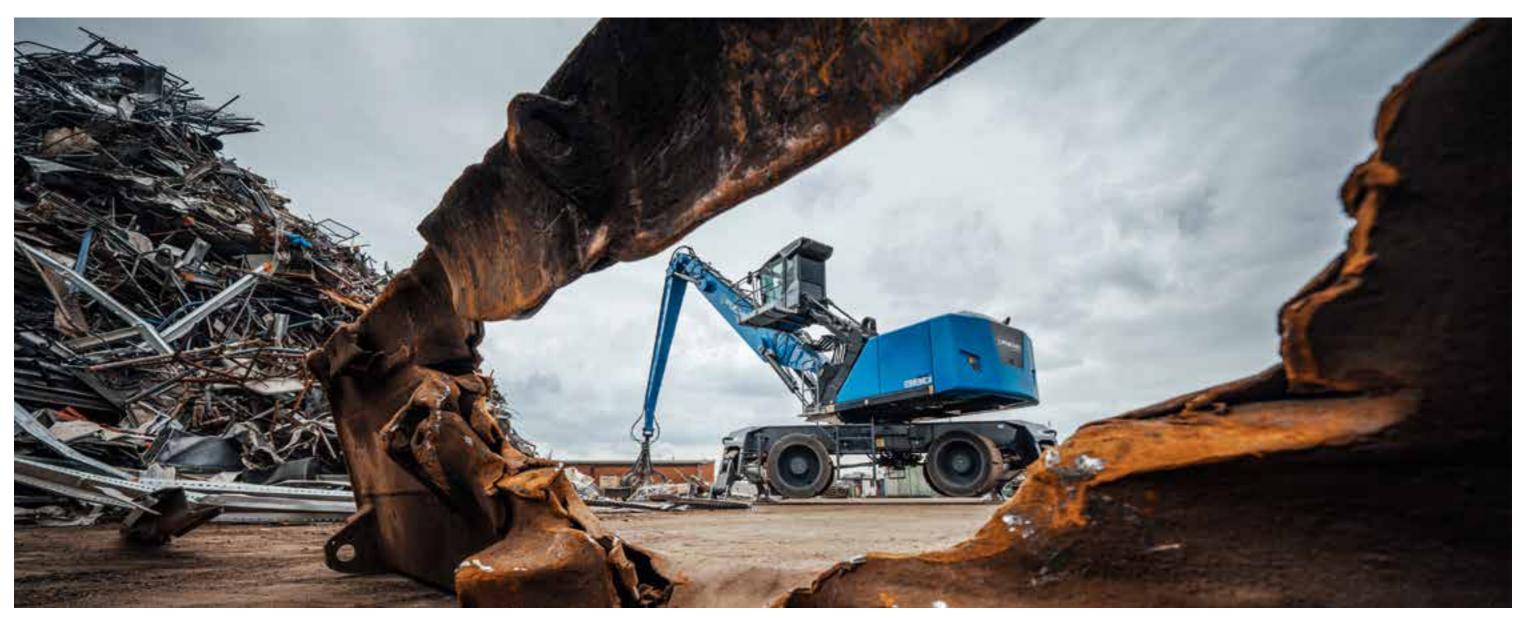


**71.8** t



**6.1** m

\* for low-regulated markets

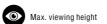








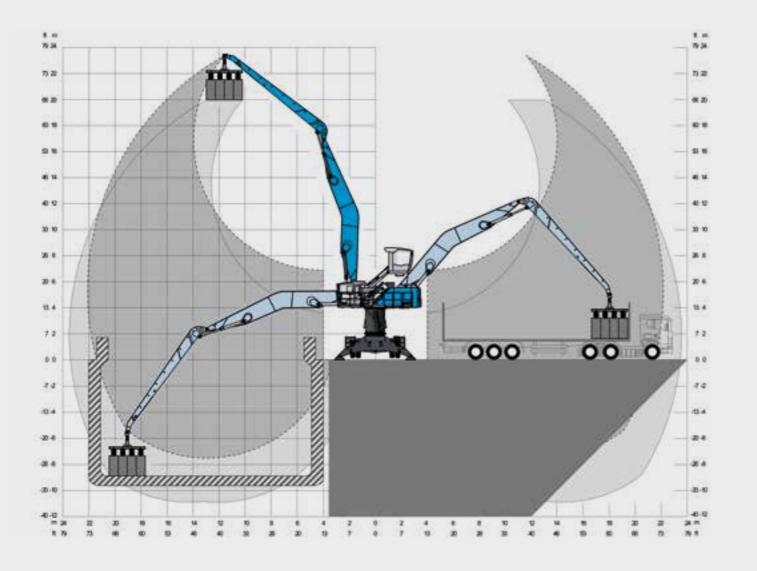






### **Application Example**

- LOADING EQUIPMENT: 22 M (BANANA BOOM) CABIN: VERTICALLY ADJUSTABLE
- VIEWING HEIGHT: 8 M UNDERCARRIAGE: MOBILE + PYLON



## UNDERCARRIAGE VARIANTS AVAILABLE FOR DIFFERENT APPLICATION REQUIREMENTS







Mobile with Pylon MHL380 F (Pylon)



Crawler RHL380 F



Crawler with Pylon RHL380 F (Pylon)



Stationary AHL380 F



Stationary with Pylon AHL380 F (Pylon)













- EU Stage V/ U.S. Tier 4
- EU Stage IIIA/ U.S. Tier 3 \*
- Deutz TCD 12.0 V6 / TCD2015 V06
- 6-cylinder inline

#### **ELECTRIC MOTOR**

Power: 250 kW
Total connected load: 304 kW
Motor start: via soft start
Optional cable reel: up to 50
metres (other lengths on
request)

#### **LOADING EQUIPMENT**

- with straight boom 22 m / 24 m
- with banana boom 24.5 m

#### **CAB SYSTEMS**

- vertically adjustable
- vertically and horizontally adjustable
- cabin system "Port"



110 t



**6.1** m

\*) for low-regulated markets



**300** kW



**273** kW



**250** kW









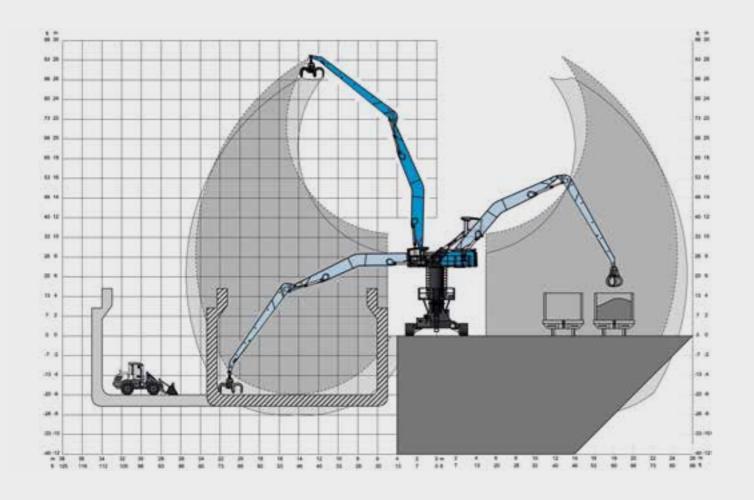






## **Application Example** (Pylon)

• LOADING EQUIPMENT: 24.5 M (BANANA BOOM) • CABIN: VERTICALLY AND HORIZONTALLY ADJUSTABLE • VIEWING HEIGHT: 11.5 M • UNDERCARRIAGE: CRAWLER + PYLON



# UNDERCARRIAGE VARIANTS AVAILABLE FOR DIFFERENT APPLICATION REQUIREMENTS















Mobile with Pylon MHL390 F (Pylon)

Crawler with Pylon RHL390 F (Pylon)

Stationary with Pylon AHL390 F (Pylon)

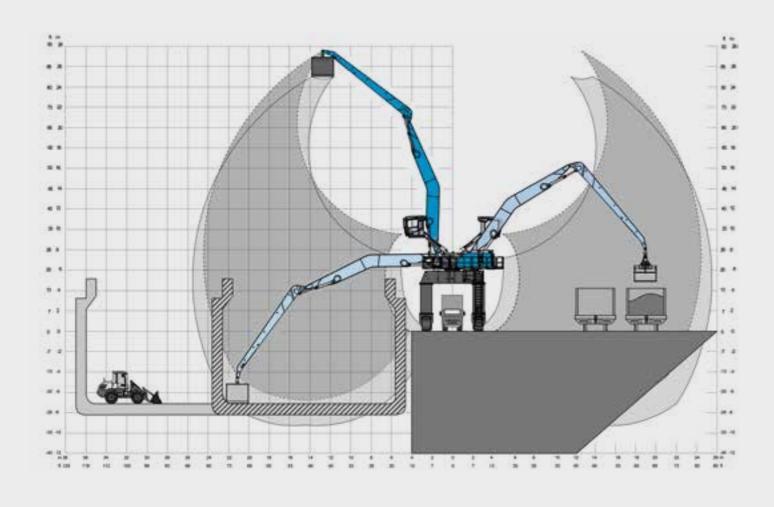
XL Crawler with Pylon RHL390 XL

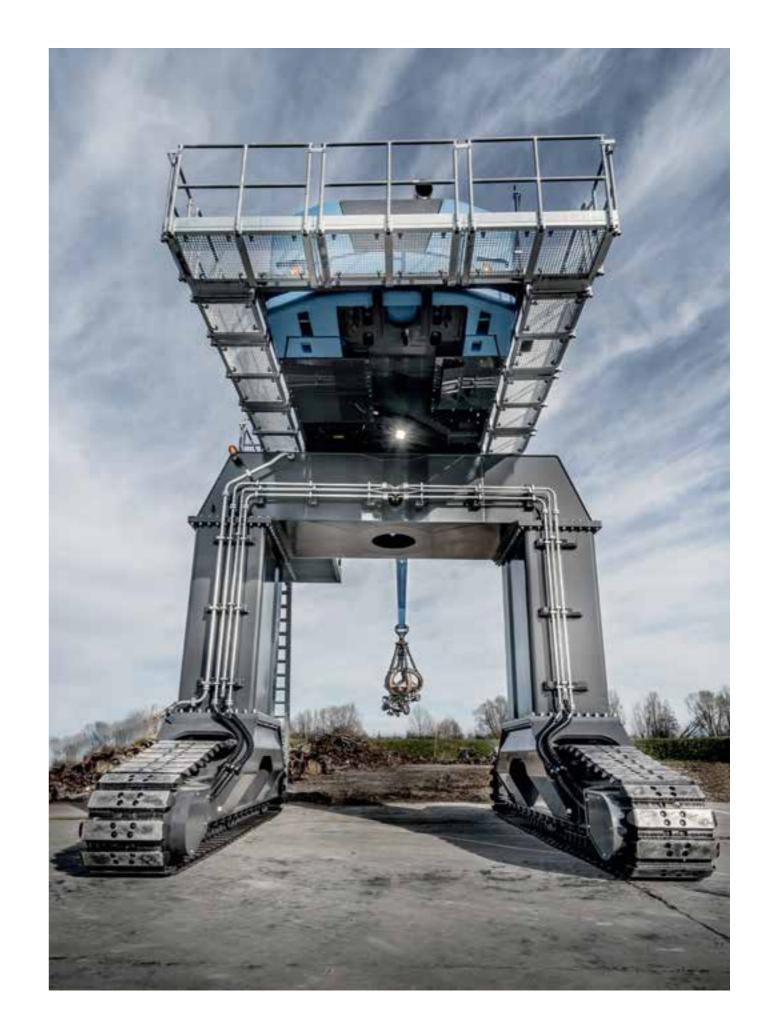
Crawler Gantry RHL390 F (Gantry)



## **Application Example** (Gantry)

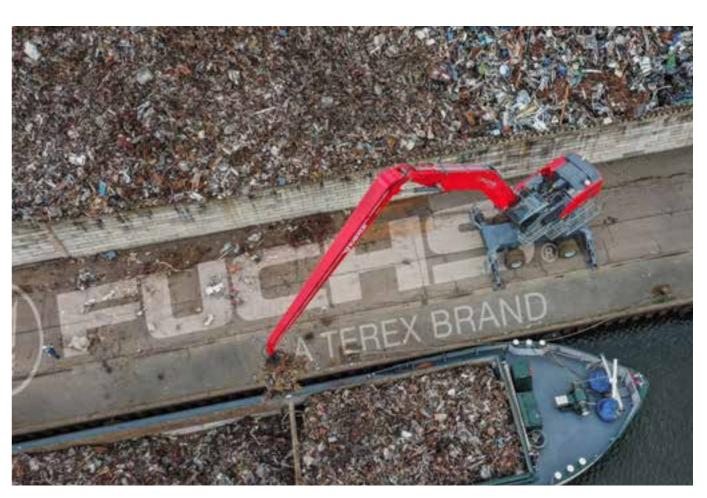
• LOADING EQUIPMENT: 24.5 M (BANANA BOOM) • CABIN: VERTICALLY AND HORIZONTALLY ADJUSTABLE • VIEWING HEIGHT: 10.5 M • UNDERCARRIAGE: GANTRY















## **PROFESIONAL**CUSTOMER SUPPORT

Anyone who opts for first-class products can also expect first-class service before and after making a purchase. At Fuchs, not only are the loading machines optimally tailored to the needs of the customers, but the services are too. So you can be sure that your Fuchs loading machine will provide you with the reliability you need.

A regularly trained team of service specialists, comprehensive technical documentation and useful online tools through to mobile service containers support our distributors worldwide in the fast and competent implementation of assembly, maintenance and repair work. In urgent cases, a hotline and service websites are available to the service partners outside of normal business hours.

#### **EDUCATION, TRAINING AND WORKSHOPS**

The Fuchs global service network is the interface between distributors and the manufacturer. Highly qualified consultants and technicians are available to users to answer all questions about the Fuchs loading machines. They are supported by a sophisticated training and workshop programme in the Fuchs training centre, which is used by hundreds of international participants every year. Our professionally trained service technicians maintain contact with the service partners and support them in solving particularly demanding tasks.

#### **FAST SPARE PARTS SERVICE**

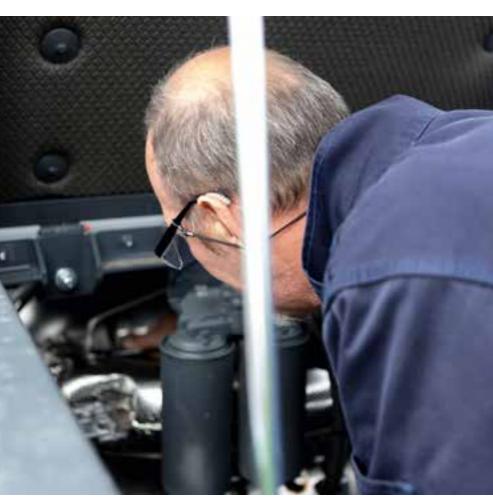
If help is needed it has to happen quickly. That is why the Terex has set up state-of-the-art spare parts warehouses around the world, which dispatch tens of thousands of shipments per year. Thanks to the Terex Connected Dealer Inventory System, all of our participating business partners have access to hundreds of thousands of spare parts worldwide.





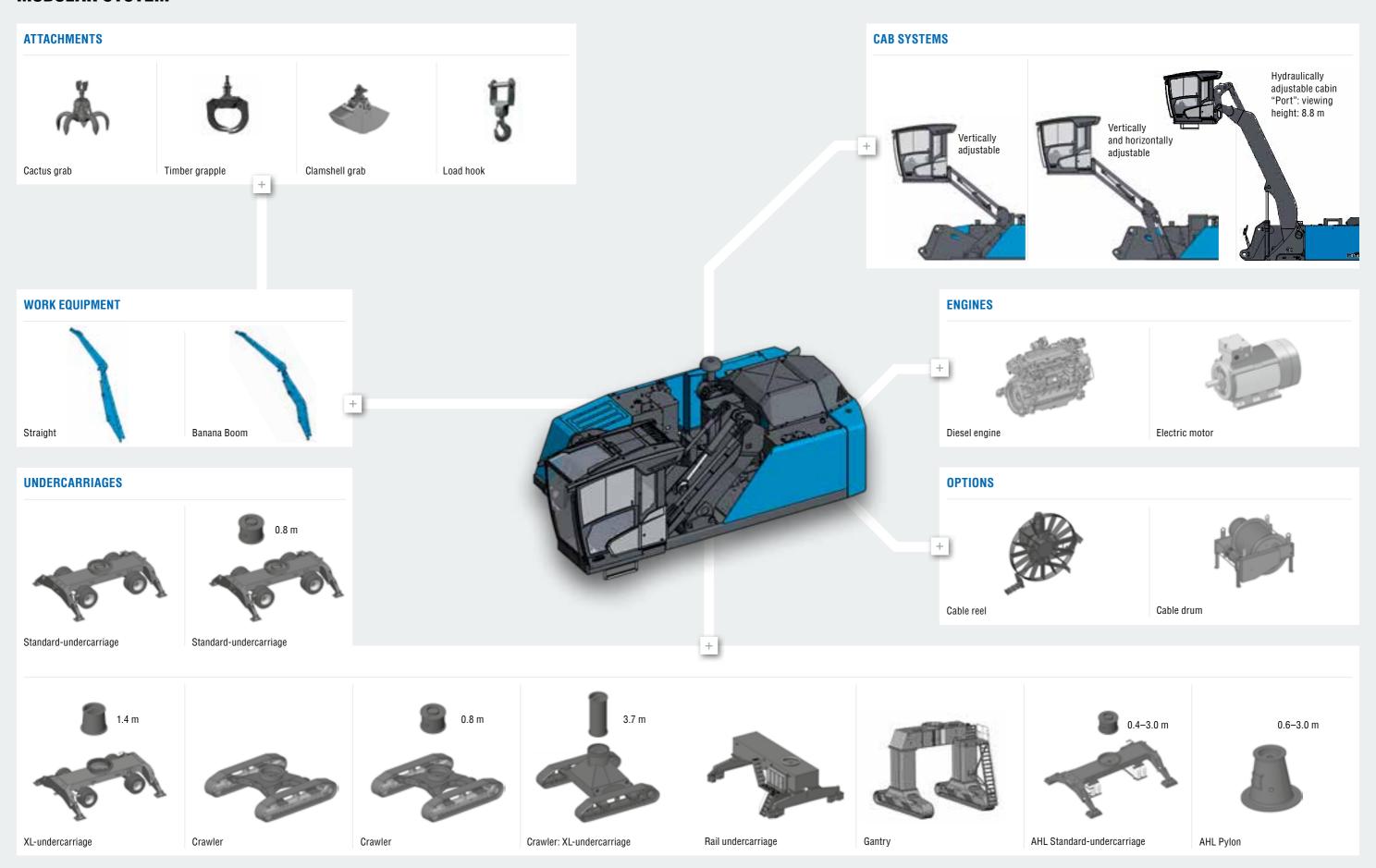








#### **MODULAR SYSTEM**







WORKS FOR YOU.

#### www.terex.com/fuchs

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