



THU 5.8

MINING



Standard:

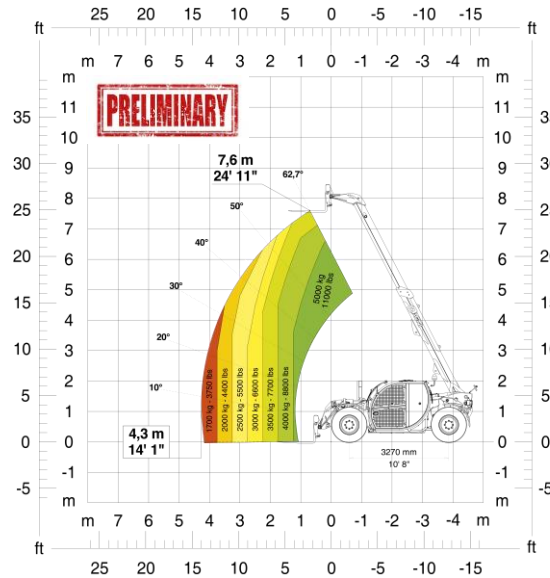


Options:



LOAD CHART

THU 5.8 MINING



ON TIRES



7,6 m

MAX. LIFTING
HEIGHT



4,3 m

MAX. REACH



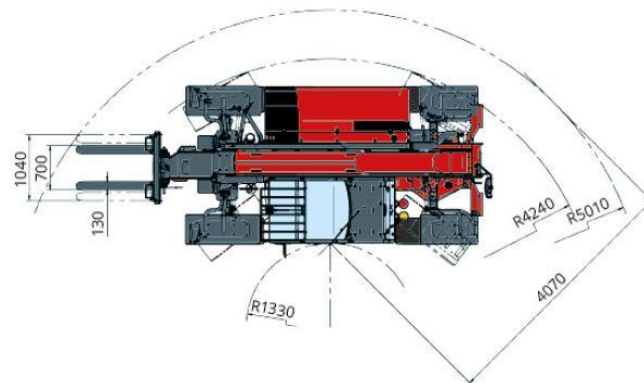
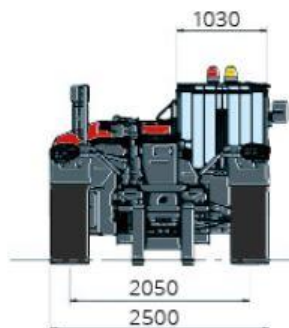
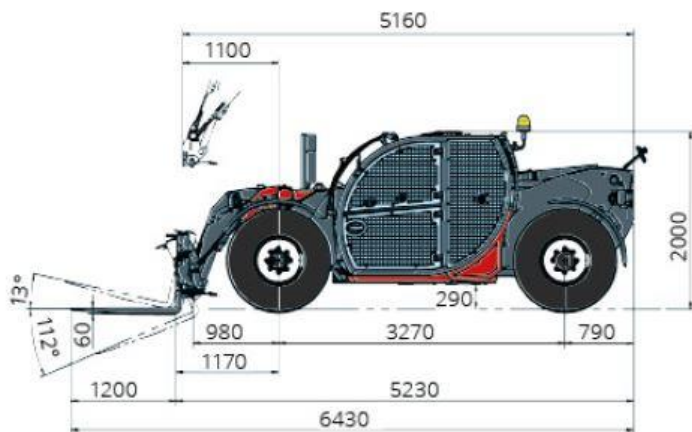
5.000 kg

MAX. LIFTING
CAPACITY



TECHNICAL SPECIFICATION

THU 5.8 MINING



LOAD SENSING

350 bar

WEIGHT: 8.500 Kg

40 km/h*

GEARS: 2/2



* Depending on market regulations



ENGINE

THU 5.8 MINING



TCD 3.6

EU IIIA/IVf

4 CYLINDERS

74.4 kW / 101,2 hp



THU 5.8

MINING

A special edition for mining and quarries has been created by Magni for this very specific sector and it is part of the new TH range of fixed telescopic handlers.

It guarantees maximum performance in any situation without compromises.

The compact size is ideal for narrow workspaces, guaranteed maximum maneuverability in any place.



DESIGN CAB

MAGNI
TELESCOPIC HANDLERS



The innovative design of MAGNI's cabs ensures unbeatable operator comfort and safety.

The cab is FOPS II / ROPS certified and equipped with an upper grill guard to guarantee operator safety even during the most delicate operations.

The cab is hermetically sealed and fully pressurised. The 100% air filtration makes MAGNI machines perfect for use even in contaminated environments, with no risks for the operator. Heating and air conditioning are standard on this model.

The cab is also equipped with a practical cup holder and features a USB port for charging tablets and smartphones.



COMFORT CAB

TOUCH SCREEN

ADJUSTABLE
STEERING COLUMN

FULL VISIBILITY
CAB



100% AIR
FILTRATION



FOPS II
ROPS

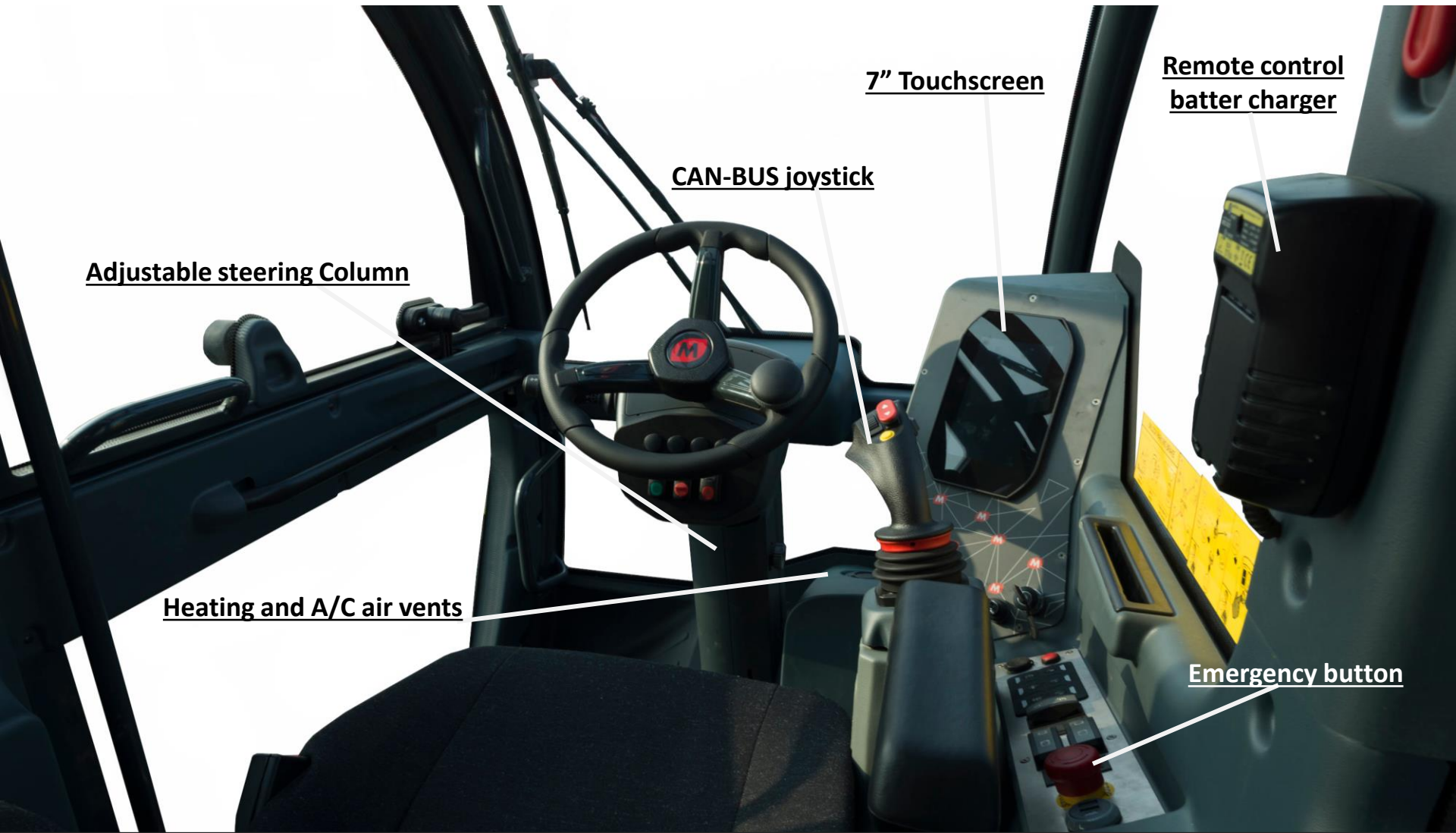


HEATING
AND A/C



MUG
HOLDER

FULL VISIBILITY CAB



7" Touchscreen

Remote control
batter charger

CAN-BUS joystick

Adjustable steering Column

Heating and A/C air vents

Emergency button



*Some functions and features may not be available. Availability based on model configuration.

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MAGNI COMBI TOUCH SYSTEM

The Magni Combi Touch System is a brand new concept in machine management; it is easy to use for both expert and new operators, thanks to its icon-based design which makes it highly intuitive. The system is divided into 5 main pages, each dedicated to different functions.



1 DRIVE PAGE



2 LOAD CHART PAGE



3 CONTROL PAGE



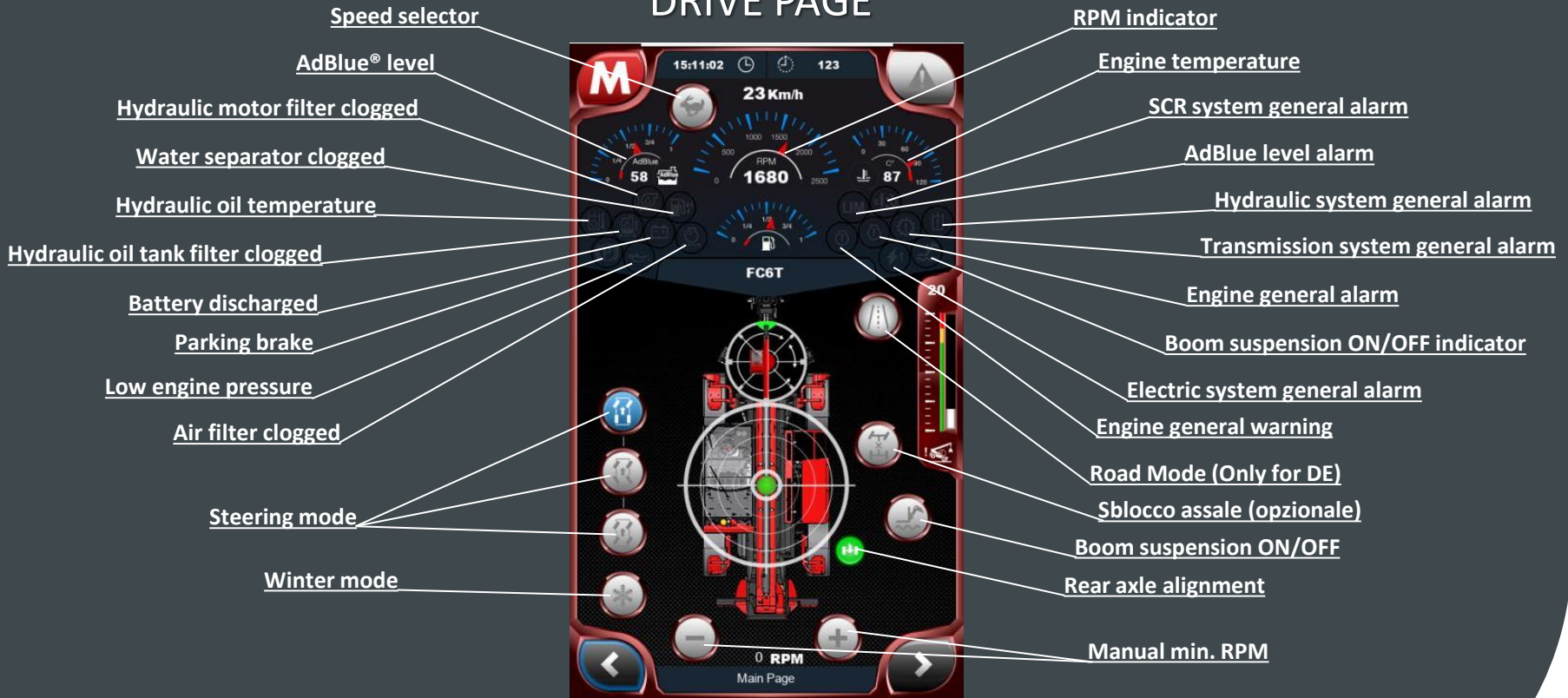
4 CUSTOMIZATION PAGE

MAGNI
TELESCOPIC HANDLERS



MAGNI COMBI TOUCH SYSTEM TH

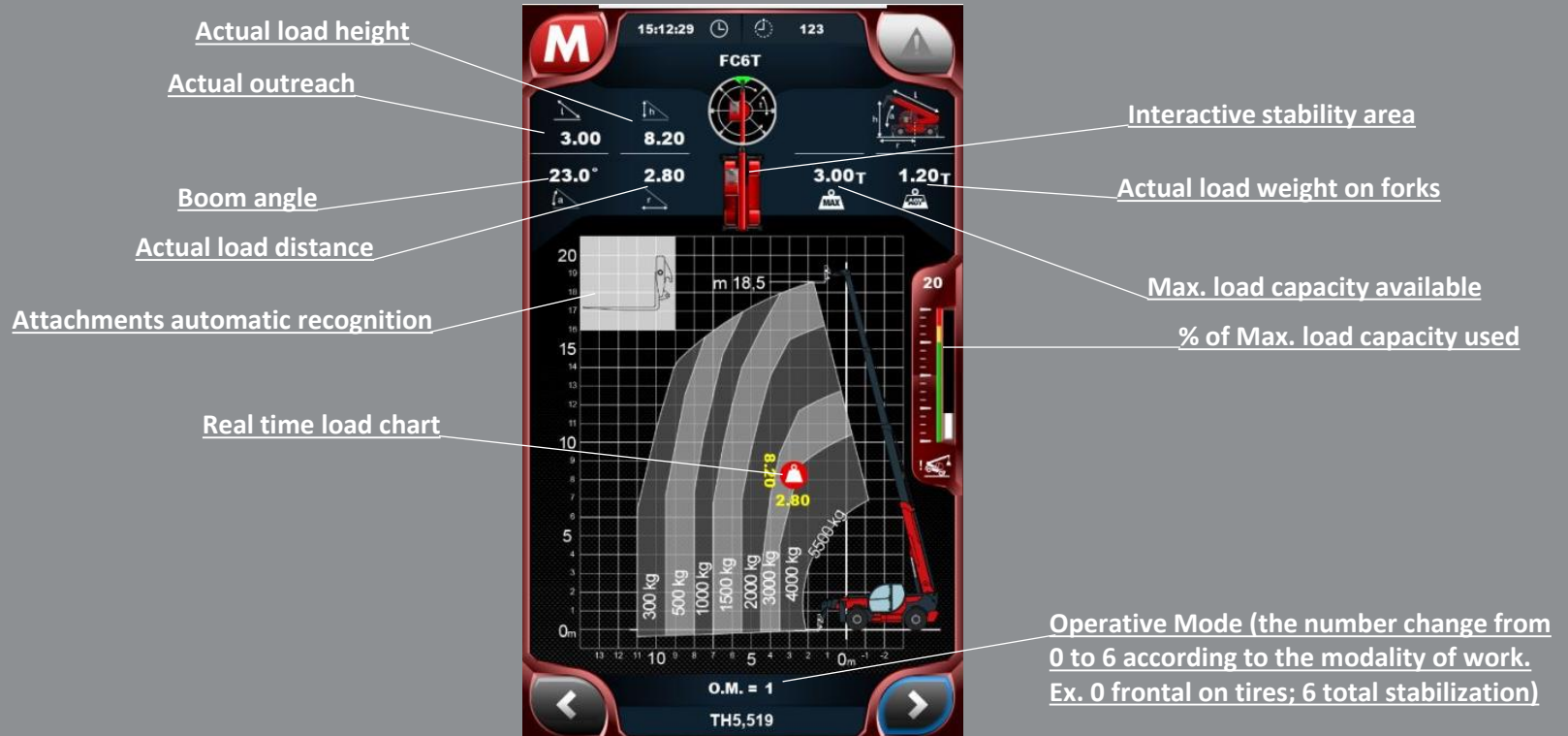
DRIVE PAGE



*Some functions may not be available. Availability based on machine configuration.

MAGNI COMBI TOUCH SYSTEM TH

LOADCHART PAGE



*Some functions may not be available. Availability based on machine configuration. Load chart in the image is only illustrative.

MAGNI COMBI TOUCH SYSTEM TH

CONTROL PAGE



*Some functions may not be available. Availability based on machine configuration.

MAGNI COMBI TOUCH SYSTEM TH

CUSTOMISATION PAGE



*Some functions may not be available. Availability based on machine configuration.

BOOM

THU 5.8 MINING

Manufactured from high-tensile steel, the boom of the TH 5.8 MINING is extremely tough and rigid but at the same time very light, increasing the load capacity and preventing it from flexing. The telescopic extension of the sections is actuated by a cylinder.

Hydraulic hoses completely contained inside the boom itself significantly reduce accidental breakages due to collisions.

The block is composed of two 3+3 bundles, preventing rubbing between the individual lines and maintaining alignment, thus also contributing to a significant reduction in faults. The sliding pads are fastened to steel blocks, ensuring smooth movement of the structure.

A lifting cylinder lock is included in the TH 5.8 MINING configuration to allow maintenance in maximum safety.





BOOM

THU 5.8 MINING

FLAT TWINED HOSE INSIDE BOOM



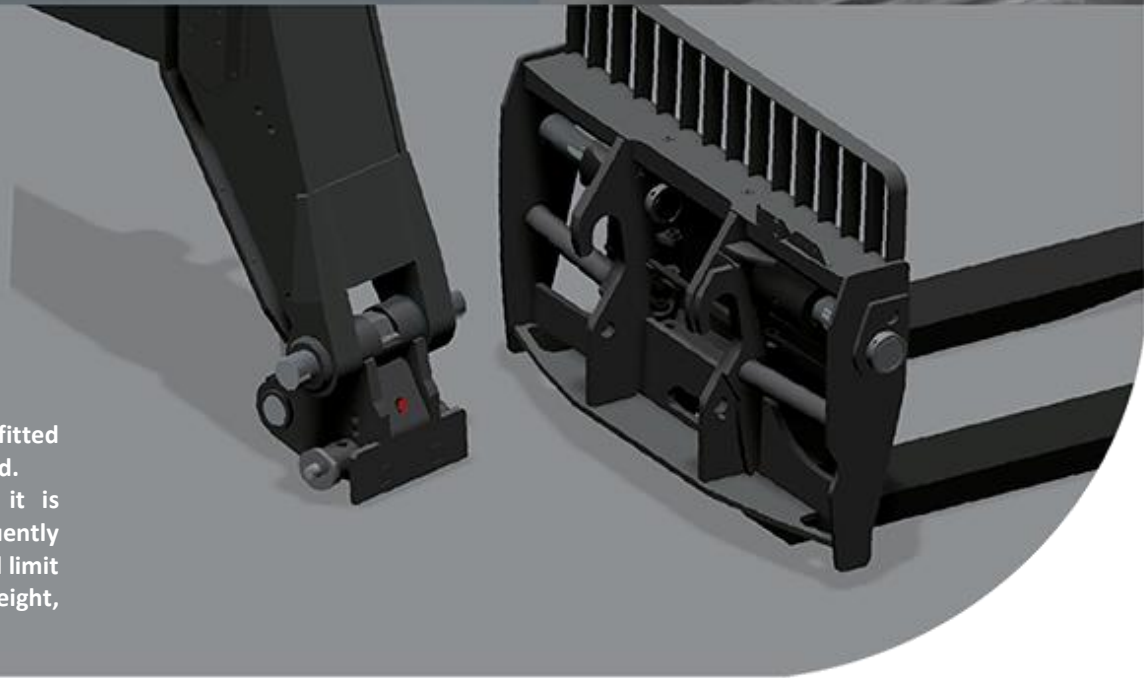
**APPLICATION
PATENTED**



**DOUBLE ACTING CHAIN
FOR EXTENSION AND
RETRACTION**



AUTOMATIC ATTACHMENT RECOGNITION



An R.F.ID automatic attachment recognition system is fitted to all models in the TH range, installed on the boom head. When the attachment is coupled to the machine, it is recognised automatically, the display is consequently updated with the corresponding load chart and the load limit device is set for attachment. Thanks to its reduced weight, the new quick-fit offers improved lifting capacity.

ON TIRES

THU 5.8 MINING

The TH 5.8 MINING has been created to meet the needs of mining and quarries. This meant design a compact machine that can assure the maximum freedom of movement, without compromising the performances.

This model of the new TH range without stabilizers is able to offer maximum performance on tires and lifting up to 5 ton.

This model is equipped with semi-solid tires suitable for operations on hard rocky surfaces with special compound providing excellent heat resistance and anti-cut.



ANTI-CUT

SEMI-SOLID TIRES



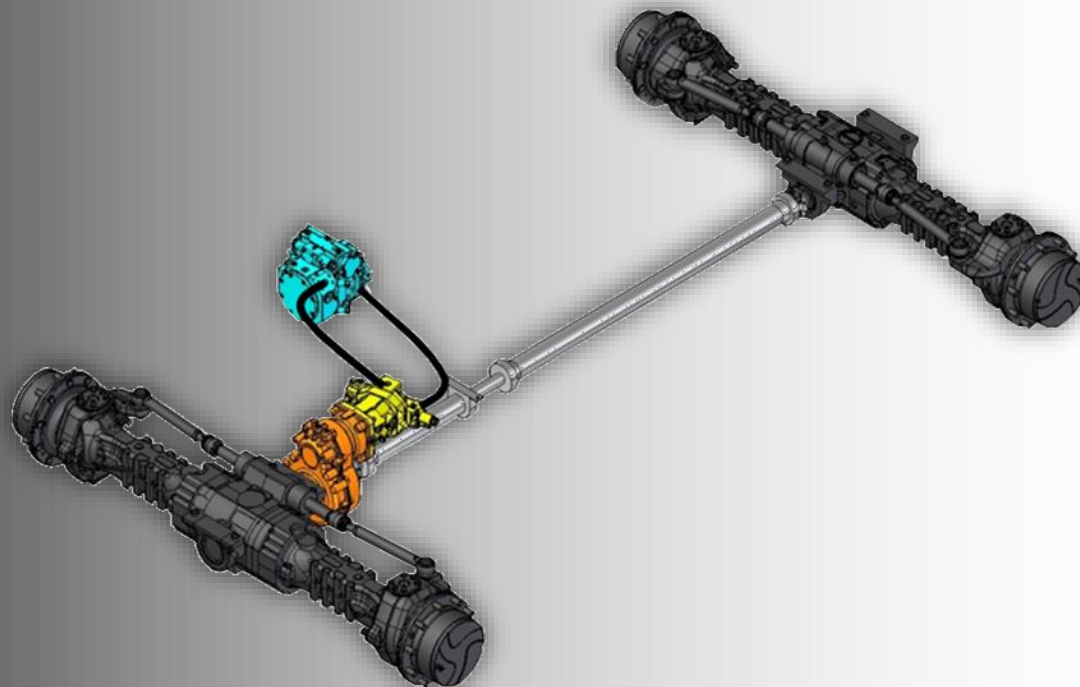
AEOLUS 16/70-24

WHEEL NUT INDICATOR



TRASMISSION THU 5.8 MINING

The electronically controlled hydrostatic transmission, composed of an electronically controlled variable displacement pump (470 bar working pressure), ensures accurate and progressive speed regulation to position the load in complete safety. The automatic calibration of the hydrostatic pump and motor with variable displacement offers the perfect balance between speed and pulling force. The two-speed gearbox offers a high and low speed range for on-road and off-road driving, respectively.



470 bar

HYDROSTATIC TRANSMISSION

rexroth
A Bosch Company

2-SPEED

AUTOMATIC CALIBRATION

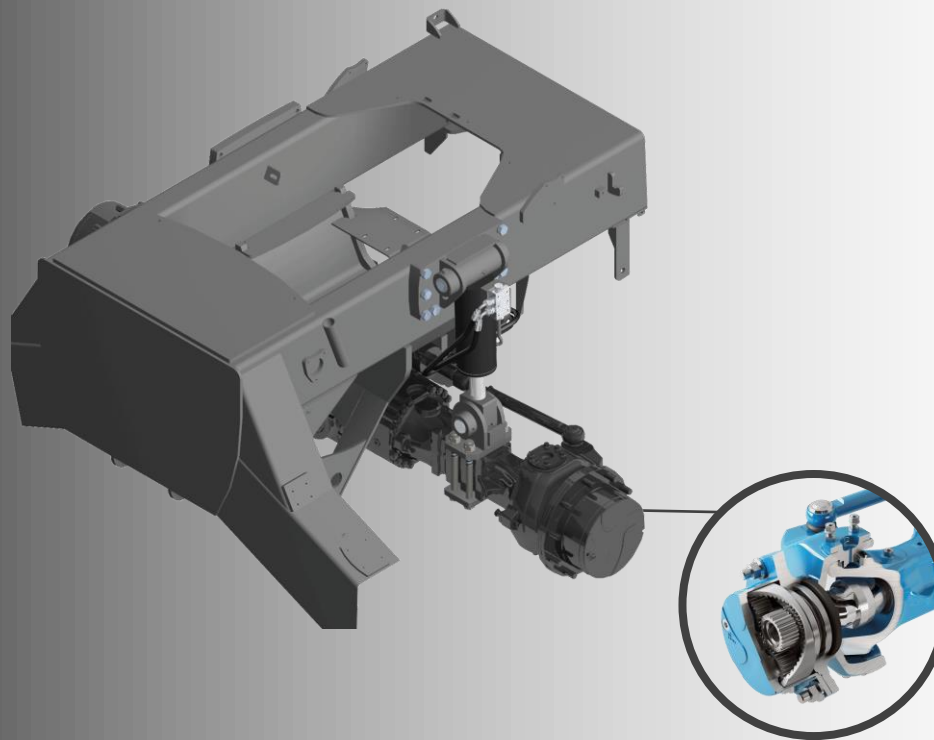


AXLES & GEAR BOX

THU 5.8 MINING

The axles of the TH 5.8 MINING is provided by Dana, with planetary reduction gearbox and multi-disc wet brakes. It has the steering cylinder on the upper part in order to protect them from accidental collisions. The rear axle is a tilting model $\pm 7^\circ$ to ensure the best off-road performance.

The gearbox is also provided by Dana with two forward and reverse speeds.



MULTI-DISC WET BRAKES

2 FORWARD & REVERSE SPEED



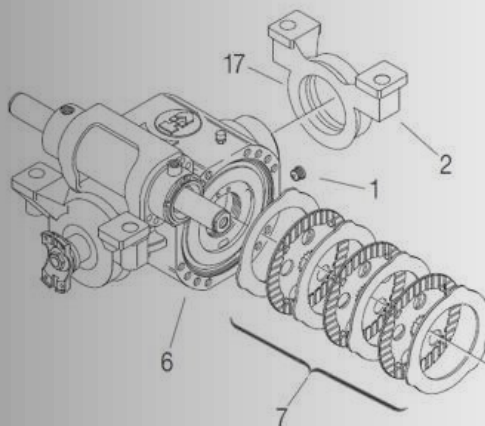
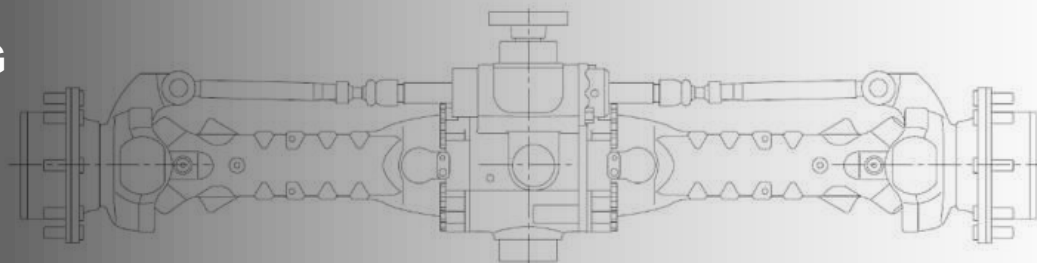
TILTING REAR AXLE $\pm 7^\circ$

AUTO-LOCKING DIFFERENTIAL



BREAKING SYSTEM

THU 5.8 MINING



The TH 5.8 MINING is equipped with a performance multi-disc wet brakes provided by DANA. The braking system is equipped with a precharge 50 bar fail safe system compliant with the BS EN ISO 3450 standard.

BS EN ISO 3450

FAIL SAFE SYSTEM



PRECHARGE 50 bar

MULTIDISC WET BRAKES



HYDRAULIC SYSTEM

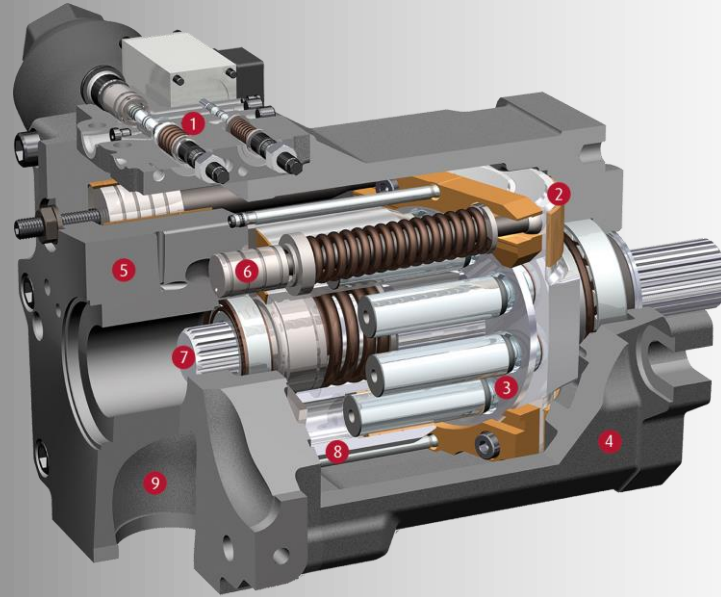
THU 5.8 MINING

The new TH 5.8 MINING have a load-sensing system (350 bar effective working pressure). It is composed of an l/s high pressure pump (for hydraulic movement); one electro-proportional joysticks and a SIL 2 main safety valve which complies with EN 13489 concerning the safety of electronic controls.

Gas-tight couplings, thermoplastic hoses and steel pipes ensure a perfect seal.

The electronic management of the hydraulic system allows it to select the best engine speed for the hydraulic power required, providing reductions in fuel consumption.

Magni's software allows management of flow sharing, guaranteeing both safety and precision of each hydraulic movement (up to 3/4 movements at a time).



LOAD SENSING PUMP

350 bar

AUTO RPM AS STANDARD

FLOW SHARING

MULTI-MOVEMENT

STEEL PIPES

PRECISION

THERMOPLASTIC HOSES



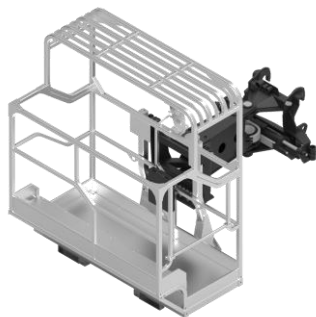
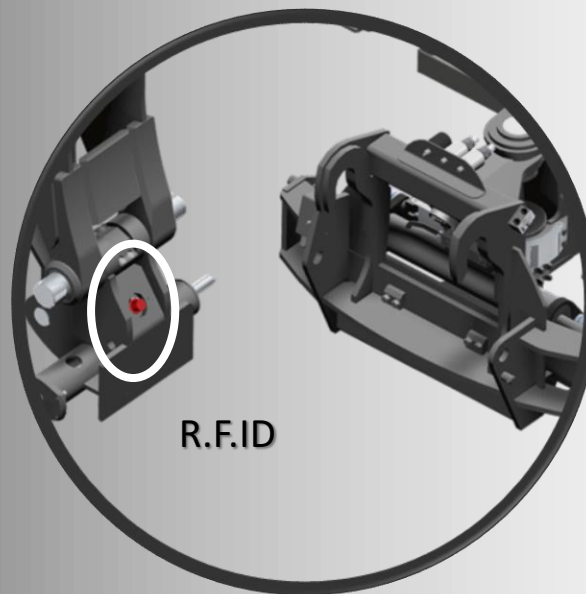
ATTACHMENT RECOGNITION

THU 5.8 MINING

An R.F.ID automatic attachment recognition system is fitted as standard to the TH 5.8 MINING version, installed on the boom head. When the attachment is coupled to the machine, it is recognised automatically, the display is real time updated with the corresponding load chart and the load limit device is set for that specific attachment.

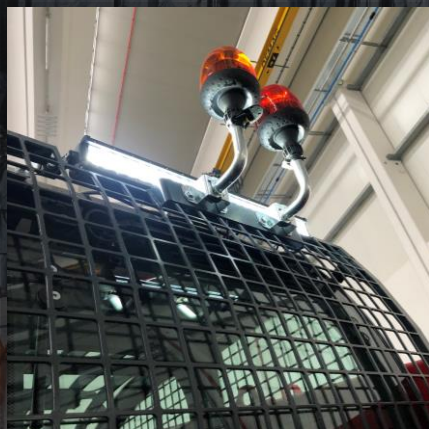
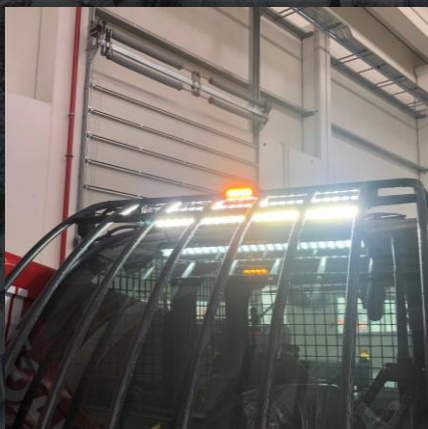
Thanks to its reduced weight, the new quick-fit system offers improved lifting capacity. This system makes this Magni TH much safer, preventing the risk of selecting incorrect attachments.

Attachments are all compatible with old and new models of the TH, RTH and HTH range, with the exception of some specific attachments.



EQUIPMENTS

THU 5.8 MINING



LED LIGHTS ON TOP OF THE CAB FRONT/REAR

10.000 LUX led work lights installed on the upper front-end and rear-end of the TH 5.8 MINING, which increase the light coverage. These lights allow to work in dark or poorly lit areas and ensure that operator maneuvers are performed in a safe environment with the most light available.

2 LED LIGHTS ON THE BOOM

Two 2.000 LUX led work lights installed on the end boom head which increase the light coverage and output to allow work in dark or poorly lit areas.

The operator must always ensure that maneuvers are performed in a safe environment, specially in narrow and darkest mines.



EQUIPMENTS

THU 5.8 MINING



HEADLAMP PROTECTION AND DIRECTION LED LIGHTS

Front and rear light protection, it is ideal when using the machine in areas where there is a risk of damages from rocks. For a better safety, a green and red led lights are placed under the front and rear lights with a reverse audible warning alarm to indicate the direction of movement.

COMPLETE CAB'S GLASS PROTECTION

Complete metal protection grid for all the glasses in the cab. Specific for tunneling or mining where the risk of fall of heavy objects is very high.



EQUIPMENTS

THU 5.8 MINING



CLEARANCE LIGHTS

The clearance lights are installed on the four side of the cab and on the outer sides of the front and rear lights

WHEEL CHOCKS

Metal chocks placed on the front part of the machine, used when the machine is parking on slopes to ensure stable positioning.



EQUIPMENTS

THU 5.8 MINING



POWDER FIRE EXTINGUISHERS

Powder fire extinguishes are placed in the front and rear of the machine. In case of a start of fire they can allow the operator to extinguish it.

CATALYTIC CONVERTER

50 ppm exhaust emission control device reduces toxic gases and pollutants in exhaust gas from the internal combustion engine.



EQUIPMENTS

THU 5.8 MINING



EMERGENCY STOP BUTTONS

2 external emergency buttons mounted on the front and rear lateral sides of the chassis and 1 button in the cabin for the complete shut off of the machine.

EXTERNAL BATTERY CUT-OFF

Plastic external battery cut-off for the maximum security and comfort of the operator.



EQUIPMENTS (OPTIONAL)

THU 5.8 MINING



STANDARD REMOTE CONTROL

OPT-02-008

Remote control allowing use of all boom functions from the ground, thus increasing the safety of the operators.

The remote control uses the Bluetooth system and can be used all over the world without particular restrictions.



REMOTE CONTROL FOR DRIVING OPERATIONS FROM BASKET WITH DISPLAY

OPT-02-010

Radio control equipped with a color display which, in addition to the control of the boom, allows the stabilisation phases to be managed directly from the basket and the machine to be driven remotely.

This function can be disabled for those who do not need to use it.

The remote control uses the Bluetooth system and can be used all over the world without particular limitations.



More optional available, please consult the price list or the optional catalogue. Customized optional and attachments available on request.

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The background is a solid red color with a complex, abstract pattern of thin white lines. These lines form a network of interconnected triangles and polygons of various sizes and orientations, creating a geometric, crystalline or molecular structure. The pattern is most dense in the upper right and lower right corners, with some lines extending towards the center and left side. The overall effect is a modern, minimalist aesthetic.

www.magnith.com