

**TML GROUP**

Technical Datasheet

# Hot Box Mover HBM



Operating weight: approx. 20.400 kg,  
Diesel drive with 180 kW, Radio remote control  
Load capacity: 70.000 kg

# »» Technical specifications

# HBM70

## Crawler undercarriage

Crawler chain	B6
Base plates	450 mm
Gradability	15 %
Draw bar pull	300 kN
Ground pressure	Loaded 27.92 t/m <sup>2</sup> Unloaded 6.3 t/m <sup>2</sup>
Drive system	Stepless hydrostatic traction drive, independent drive for each track side
Brakes	Spring set, hydraulically released wet multi disc brake
Parking brake	Wet multi-disc brake, wear-free, automatic activation when joystick is in neutral position
Travel speed	0 – 3.5 km/h

## Lighting

General lighting	8 x LED headlights
Surrounding warning light	2 x Yellow

## Electrical system

System voltage	24 V
Battery	2 Pcs.

## Hydraulic system

Type	Load-Sensing
Operating pressure	330 Bar
Hydraulic oil tank capacity	365 Liter
Delivery capacity max.	500 l/min
Safety system	Pipe break protection on the lifting cylinders
Pump type	Variable displacement pump
Filtering	Hydraulic return filter and tank breather filter

## Radio remote control

Operation via 2 joysticks. Illuminated colour display. Waist belt carrying system	
Weight	4.5 kg

## Paint

Platform	Yellow, RAL 1007
Undercarriage	Black, RAL 9005

## Diesel drive

Diesel engine (EU/USA)	DEUTZ AG, TCD 6.1, 6 cylinders, Diesel engine with diesel oxidation catalyst and particulate filter, Stage EU V
Diesel engine (non EU/ USA)	DEUTZ AG, TCD 6.1 EDG, 6 cylinders
CO <sub>2</sub> neutral operation	Possible with paraffinic diesel fuel according to EN 15940
Rated power	180 kW (EU/USA) 160 kW (non EU/USA)
Engine capacity	6,100 cm <sup>3</sup>
Torque	1000 Nm at 1,450 min <sup>-1</sup> (EU/USA) 900 Nm at 1,450 min <sup>-1</sup> (non EU/USA)
Cooling	Fluid
Air Filter	2-stage, with electrical contamination indicator
Fuel tank capacity	430 Liter
AdBlue tank capacity	20 Liter



**RELIABLE**



**PRODUCTIVE**

# HBM70 – Heavy-duty transporter

Crawler undercarriage	HBM Heavy Metal
Chain sealed with lifetime lubrication	●
Base plates 450 mm, Triple grouser	●
Rubber pads for base plates	○
2 driving stages for two driving speeds	●
Manual towing circuit	○

Drive unit options	HBM Heavy Metal
Diesel engine, 180 kW, 6 cylinders, EU Stage V / USA Tier4final	●
Diesel engine, 160 kW, 6 cylinders, EU Stage III A USA Tier3 (non EU/USA)	●

Radio remote Control (inklusive)	HBM Heavy Metal
Remote control via radio transmission	●
Remote control via cable	●
Illuminated colour display	●
2 Joysticks	●
Radio frequency 16 channels 433/434 MHz	●
Radio frequency 16 channels 535 MHz	○
Radio frequency 16 channels 461 MHz	○
Emergency stop button on transmitter unit	●
Hip belt carrying system	●

Key: ● Standard ○ Option



Outside area of the steel plant, HBM, Hot Box and the tipping device



Hot boxes at a cooling location. One box is put down to cool, while another one with solidified slag is being taken to the tipping device.

# HBM70 – Heavy-duty transporter

Lighting	HBM Heavy Metal	Accessoires	HBM Heavy Metal
Lighting package in LED technology: 4 worklights close-range illumination 4 worklights for long-distance illumination 2 rotating beacons	●	Storage compartment	●
		On-board tool kit	●
		Remote control charger	●
		Onboard remote control charger	●
		Ultrasound system for detection of the hot box	●
		Arctic Pack: Hydraulic oil heating Fuel heating Engine block heating Trickle charge onboard battery	○
		Flame retardant hydraulic fluid	○
		Weighing unit	●
		Emergency lowering of Hot Box	●
		TML Connect	○
		Camera system	○
		Rescue chains	○

Key: ● Standard ○ Option

## »» Dimensions

# HBM70

