

TML GROUP

Technical Datasheet

UNIDACHS

3



Operating weight: approx. 9.700 kg
Diesel drive with 54 kW, alternatively electric drive with 55 kW
Telescopic stroke: 2.500 mm

»» Technical specifications

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Crawler undercarriage		Hydraulic system		Diesel drive	
Crawler chain	B2	Type	Load - Sensing	Diesel engine (EU/USA)	DEUTZ AG, Stage V, 4 cylinders, Diesel engine with diesel oxidation catalyst and particulate filter
Base plates	Triple grouser, HD, 400 mm Standard, 500mm Option	Operating pressure	330 Bar	Diesel engine (non EU/ USA)	DEUTZ AG, USA Tier 3, EU Stage IIIA, 4 cylinders, Diesel engine with diesel oxidation catalyst
Gradability	55 %	Hydraulic oil tank capacity	365 Liter	CO ₂ -neutral operation	Possible with paraffinic diesel fuel according to EN 15940
Draw bar pull	74 kN	Safety system	Pipe break protection on the lifting cylinders	Rated power	54 kW
Ground pressure	5.6 t /m ² (400 mm base plates)	Pump type	Variable displacement pump	Engine capacity	2,900 cm ³
Drive system	Stepless hydrostatic traction drive, independent drive for each track side	Filtering	Hydraulic return filter and tank breather filter	Torque	300 Nm at 1,600 min ⁻¹
Brakes	Spring set, hydraulically released wet multi disc brake	Control block	Additional working circuits for attachments optionally available	Cooling	Fluid
Parking brake	Wet multi-disc brake, wear-free, automatic activation when joystick is in neutral position			Air Filter	2-stage, with electrical contamination indicator
Travel speed	0 – 2.7 km/h			Fuel tank capacity	85 Liter
Electro drive 3-Phase (alternative)					
				Rated power	55 kW at 50 Hz 55 kW at 60 Hz
				Voltage	380 V, 400 V or 500 V
				Frequency	50 Hz or 60 Hz

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» Technical specifications

Upper structure

Hydrostatic slew drive with axial piston motor and planetary gear.

Rotation 360°, continuous, endless

Rotation speed 0 – 5.2 min⁻¹

Slewing brake Spring set, hydraulically released wet multi disc brake

Cradle & Telescopic boom

Telescopic boom with integrated rotating unit. Fully enclosed design to protect the hoses and the tool cylinder against radiation heat and falling objects.

Max. range 7700 mm

Telescopic stroke 2,500 mm

Rotation 360°, continuous endless

Boom rotation speed 0 – 6.3 min⁻¹

Boom rotation torque 14.05 kNm

Pull and push force 56 / 110 kN

Tool ripping force 73 kN

Boom guide rollers 12 pcs.

Lighting

Upper structure front 2 x LED headlights

Upper structure rear Optional

Cradle 1 x LED headlight

Surrounding warning light 1 x Yellow

Electrical system

System voltage 24 V

Battery 2 Pcs.

Radio remote control

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

Weight 4.5 kg

Paint

Undercarriage Black, RAL 9005

Upper structure & Telescopic boom Yellow, RAL 1007



RELIABLE



PRODUCTIVE

UNIDACHS - The best answer to extreme conditions

Crawler undercarriage	3 Series Heavy Metal	3 Series Hard Rock
Chain sealed with lifetime lubrication	●	●
Base plates, Triple grouser, 3-steg, HD	●	●
Rubber vulcanized tracks	○	○
Rubber pads for base plates	○	○
2nd driving stage for two driving speeds	○	○
Towing circuit	○	○
Front clearing blade	○	○

Upper structure	3 Series Heavy Metal	3 Series Hard Rock
Rotation 360°, continuous endless	●	●
Central lubrication system for upper structure and cradle	○	○
Arctic Pack (hydraulic oil, engine and fuel preheating)	○	○
Rear and side bumper	○	○
Fire extinguishing system	○	○
Hand-held fire extinguisher (6 kg) in protective box, attached to the upper structure	○	○
Refuelling pump	○	○
Connection for external starting aid	○	○
Additional emergency stop switch	○	○
Main isolator switch for electrical system	●	●
Service doors lockable	●	●
Crane lifting points	●	●
Engine compartment lighting	○	○

Key: ● Standard ○ Option



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UNIDACHS Series 3

Drive unit options	3 Series Heavy Metal	3 Series Hard Rock
Diesel engine, 54 kW, 4 cylinders, EU Stage V / USA Tier4final	●	●
Diesel engine 54 kW USA Tier 3, EU Stage IIIA (non EU/USA)	●	●
Electric drive, 3-Phase, 55 kW with 25m cable	○	○

Radio remote Control	3 Series Heavy Metal	3 Series Hard Rock
Remote control via radio transmission	●	●
Remote control via cable	●	●
2 Joysticks	●	●
Illuminated colour display	●	●
Operating mode selector switch	●	●
Single-hand drive mode	●	●
Tool control	●	●
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	●	●

Lighting	3 Series Heavy Metal	3 Series Hard Rock
Lighting package: 2x LED work lights upper structure front, 1x LED work light cradle, 1x LED rotating beacon yellow	●	●
Extended lighting package: 2x LED worklights cabin roof, , 1x LED worklight cradle	○	○
Lighting package: 2x LED worklights upper structure front, 2x LED worklights upper structure rear, 2x LED worklights cab roof, 3x LED worklights cradle, 1x LED rotating beacon yellow	○	●
Additional LED lighting	○	○
Blue spot light in the rear area	○	○
Safety perimeter ground marking Red light projection	○	○

Accessoires	3 Series Heavy Metal	3 Series Hard Rock
Tool kit	●	●
Emergency first aid kit	●	●
Storage compartments	●	●

Key: ● Standard ○ Option



COMPACT



PRECISE

UNIDACHS Series 3

Cradle & Telescopic Boom	3 Series Heavy Metal	3 Series Hard Rock
Telescopic stroke 2,500 mm	●	●
Rotation 360°, continuous, endless	●	●
Headpiece telescopic boom in flange version	○	○
Dirt deflector between main boom and inner boom	○	●
Covers for boom guide rollers	○	○
Additional hose tray for hydraulic or pneumatic tools	○	○
Bumper plates main Boom	○	●
Central lubrication system cradle	○	○
Overload warning system	○	○

Attachment tools	3 Series Heavy Metal	3 Series Hard Rock
Boom extension integrated	○	○
Boom extension bolted	○	○
Single ripper hook	○	○
Double ripper hook	○	○
Hydraulic hammer	○	○
Pneumatic hammer	○	○
Rotary drum cutter	○	○
Demolition shears	○	○
Hydraulic grab	○	○
Various sized buckets	○	○
Ditching bucket	○	○
Ripper bucket	○	○
Back hoe bucket	○	○
Drilling attachment	○	○
Mechanical quick coupler	○	○
Concrete spray nozzles	○	○
Bow setting device	○	○
Single-point lifting bail	○	○
Porous plug pusher	○	○
Tap hole drill	○	○
EBT Drill	○	○

Legende: ● Standard ○ Option

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» Kinematics and dimensions

