

# TECHNICAL DATA

## OPERATING WEIGHT WITHOUT ATTACHMENTS

MHL350 F	72,752–78,264 lbs
MHL355 F	79,366–90,169 lbs
MHL350 F FQC	73,414–78,264 lbs

## DIESEL ENGINE

Manufacturer and model	Deutz TCD 6.1 L6
Design	6-cylinder in-line engine
Functionality	4-stroke engine, direct common-rail fuel injection, turbocharger with charge air intercooling, controlled exhaust gas recirculation, diesel particle filter with a continuously regenerating system and SCR catalytic converter
Engine power	215hp (160 kW)
Rated speed	2,000 min-1
Displacement	372 cui
Cooling system	Water / charge air cooling with temperature-controlled fan speed
Exhaust emission standard	EU-Stage V / EPA-Tier 4f
Fuel tank	83 gal Diesel
DEF / Urea tank	8.5 gal AdBlue

## ELECTRIC MOTOR

Power	132 kW
Total connected load	170 kW
Motor start	Via soft start
Optional cable reel	Up to 164 ft (other lengths on request)

## ELECTRICAL SYSTEM

Alternator	28 V / 100 A
Operating voltage	24 V
Battery	2 × 12 V / 110 Ah / 760 A (as per EN)
Lighting system	2 × LED floodlights at the front of the machine, rear parking lights and indicator lights
Option	13 kW or 20 kW DC generator with control and insulation monitoring

## TRAVEL DRIVE

Hydrostatic drive through infinitely variable axial piston motor with directly mounted travel brake valves, 2-gear transmission, all-wheel drive

	MHL350 F	MHL355 F
Travel speed 1st Gear	max. 3.1 mph	max. 3.1 mph
Travel speed 2nd Gear	max. 10.6 mph	max. 9.3 mph
Gradeability	max. 35 %	max. 30 %
Turning radius	30'2"	31'2"

## SLEWING DRIVE

Slewing ring	Double slewing ring with inner teeth
Drive	2-stage planetary gear with integrated multi-disk brake
Uppercarriage swing speed	0–7 min-1 infinitely variable
Slewing lock	Electronically activated

## UNDERCARRIAGE

	MHL350 F	MHL355 F
Front axle	Planetary drive axle with integrated drum brake, rigidly mounted, max. steering angle 27°	Planetary drive axle with integrated drum brake, rigidly mounted, max. steering angle 27°
Rear axle	Planetary drive axles with integrated drum brake, with self aligning bearing and switching oscillating lock	Planetary drive axles with integrated drum brake, with self aligning bearing and switching oscillating lock
Outrigger	4-point outrigger	4-point outrigger
Tires	Elastic, solid rubber 8 × 12.00-20	Solid rubber 8 × 12.00-24

## BRAKES

Service brake	Hydraulically operated single-service brake system acting on all four wheel pairs
Parking brake	Electronically-operated disc brake on the driving transmission acting on both axles

## HYDRAULIC SYSTEM

Max. flow rate	2 × 87 gpm
Max. operating pressure	4641 / 5221 psi
Hydraulic oil tank	96.7 gal

## OPERATOR'S CAB

Cab	Continuously variable elevation system up to a viewing height of 18.4' Soundproof, insulating panoramic windows enabling all-round visibility, windscreen with pull-down sunblind, roof skylight, cab door sliding window, sliding door
Air conditioning	Automatic climate control. Infinitely variable water heating with 8-speed fans, 10 adjustable nozzles, 4 set into the roof lining and 3 defrosting nozzles
Operator's seat	Air-sprung comfort seat with integrated headrest, safety belt, and lower lumbar support, optional seat heating. Allows comfortable working by offering universal adjustment possibilities of the seat position, the seat incline, and the position of the seat cushion in relation to the armrests and joysticks
Monitoring	Ergonomically-arranged, anti-glare controls, multi-functional display, automatic monitoring and storage of deviating operating conditions, (e.g. all hydraulic oil filters, hot/cold hydraulic oil temperature, coolant temperature and charge air temperature, diesel particle filter load), visual and acoustic warning up to the point of shutting feed forward control or reducing engine output. Individual sensor diagnosis using the multi-functional display, rear camera and side camera  EU-Stage V / EPA-Tier 4f
Noise level	Sound power level (outdoor area) L <sub>WA</sub> 98.8 dB(A) (measured) as per directive 2000/14/EC L <sub>WA</sub> 101 dB(A) (guaranteed) as per directive 2000/14/EC  Sound power level (inside the cab) as per the standard ISO 6396 L <sub>PA</sub> 70 dB(A)
Certification as per CE directives	