

TECHNICAL DATA

OPERATING WEIGHT WITHOUT ATTACHMENTS

MHL350 F	72,752–78,263 lbs
MHL355 F	79,366–90,168 lbs

DIESEL ENGINE

Manufacturer and model	Deutz TCD 6.1 L6
Design	6-cylinder inline
Control	EMR IV
Method of operation	4-cycle diesel, common rail direct injection, turbocharged with intercooler, controlled exhaust gas recirculation, diesel particulate filter with continuous regeneration and SCR catalytic converter
Engine power	215 hp (160kW)
Rated speed	2,000 rpm
Displacement	372 cui
Cooling system	Combi-cooler (coolant/ charge air) with fan speed control system; optional reversing function
Exhaust emission standard	EPA Tier 4 final / EU stage IV
Fuel tank	83 gal Diesel
DEF / Urea tank	8.5 gal AdBlue

ELECTRICAL SYSTEM

Generator	28V / 100A
Operating voltage	24V
Battery	2 × 12V / 110Ah / 750A (in accordance with EN)
Lighting system	2 × H3 headlamps, turn indicators and tail lights
Optional equipment	13 kW or 20 kW DC generator with controls and insulation monitoring, driven by V-belt direct from diesel engine

TRANSMISSION

Hydrostatic travel drive via infinitely variable axial piston motor with directly mounted travel brake valve, two-speed manual gearshift, 4-wheel drive

Travel speed 1st gear	3.1 mph
Travel speed 2nd gear	11.2 mph
Gradeability	max. 39%
Turning radius	28'7"

SWING DRIVE

Slew ring	Internally geared, double-row ball turning ring
Drive	3-stage planetary gear with integrated multi-disc brake
Uppercarriage swing speed	Infinitely variable from 0–7 rpm
Rotating interlock	Electrically operated
Max. swing torque	59 lbf ft

UNDERCARRIAGES

	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	Oscillating axle with integral drum brake and selectable oscillating axle lock	Oscillating planetary drive rear axle with integrated drum brake and selectable oscillating axle lock
Stabilization	4-point stabilizer system	4-point stabilizer system
Tires	Solid rubber, 8-ply 12.00-20	Solid rubber, 8-ply 12.00-24

BRAKING SYSTEM

Service brake	Hydraulic single-circuit braking system, acting on all wheels
Parking brake	Electrically operated disc brake on transmission acting on both front and rear axles

HYDRAULIC SYSTEM

Pump delivery rate	max. 2 × 87 gpm
Operating pressure	4641 / 5221 psi
Hydraulic oil tank	120 gal

OPERATOR'S CAB

Cab	Infinitely variable hydraulic height-adjustment with eye level up to 18.4' above ground. Flexibly mounted Sound-deadened, ample thermal panoramic glass windows, windshield with pull-down sunblind, viewing window on cab roof, sliding window in cab door, sliding door
Climate control	Automatic air-conditioning. Infinitely variable heating with 8-speed fan, 10 adjustable air nozzles, including 4 in the roof lining, 3 defroster nozzles
Operator's seat	Air-cushioned comfort-seat with integrated headrest, safety belt and lumbar support, seat heating with integrated A/C function optional. Comfortable operation with multi-purpose adjustment options for seat position, seat inclination, seat cushion placement in relation to armrests and pilot control units. Articulating armrests and joysticks
Monitoring	Ergonomic layout, anti-glare instrumentation. Multifunction display, automatic monitoring and recording of abnormal operating conditions (including all hydraulic oil filters, hydraulic oil temperature (cold/hot), coolant temperature and charge air temperature, diesel particulate filter load, visual and audible warning indication with shutdown of pilot controls/engine power reduction. Diagnosis of individual sensors possible via the multifunction display. Rear view camera and side view camera
Sound levels	Sound power level (ambience) L _{WA} 98.8 dB(A) (metered) acc. to directive 2000/14/EG L _{WA} 101 dB(A) (guaranteed) acc. to directive 2000/14/EG Sound pressure level (inside the cabin) acc. to directive ISO 6396 L _{PA} 70 dB(A)

Certified in accordance with CE regulations

EQUIPMENT

DIESEL ENGINE

	Standard	Option
Intercooler and coolant radiator	●	
Direct electronic fuel injection/common rail	●	
Advanced automatic idle incl. engine shut-off function	●	
Engine preheating		●
Engine diagnostics interface	●	
Temperature-dependent fan drive	●	

UNDERCARRIAGE

All-wheel drive with differential	●	
Drum brakes	●	
Rear axle oscillating lock	●	
2-speed powershift transmission		●
4-point stabilizers	●	
Stabilizer cylinders with integrated two-way check valves	●	
Piston rod protection on stabilizer cylinders	●	
Tool box	●	
Special paint (customer paint work)		●
Solid rubber tires (12.00-20) with intermediate rings	●	
Solid rubber tires (12.00-24) with intermediate rings (MHL355F)	●	

UPPERCARRIAGE

Separate cooling systems (combi-cooler for engine and hydraulic oil cooler)	●	
Cooling system with temperature-dependent fan drive	●	
Fan drive reversing function		●
Automatic central lubrication system	●	
Rear view camera	●	
Side view camera	●	
Travel alarm		●
Electric refuelling pump		●
Lighting protection		●
Special paint (customer paint work)		●

CAB

	Standard	Option
Hydraulically adjustable cab	●	
3-layer glass with protection film	●	
Sliding window in cab door	●	
Glazed roof panel	●	
Reinforced glass (windscreen and roof panel)		●
Roof washer system (skylight)		●
Air-cushioned operator seat with headrest, seatbelt, and lumbar support	●	
Seat heating with integrated A/C function		●
Joystick steering	●	
Steering column, height and tilt adjustable		●
Automatic air conditioning system	●	
Independent heating system		●
Multi-function display	●	
Document clip	●	
Protective grilles to front and roof		●
12V transformer		●
Radio USB & Bluetooth (EU & USA)		●
12V socket	●	
Fire extinguisher, dry powder		●
Travel alarm w/ rotating beacon		●

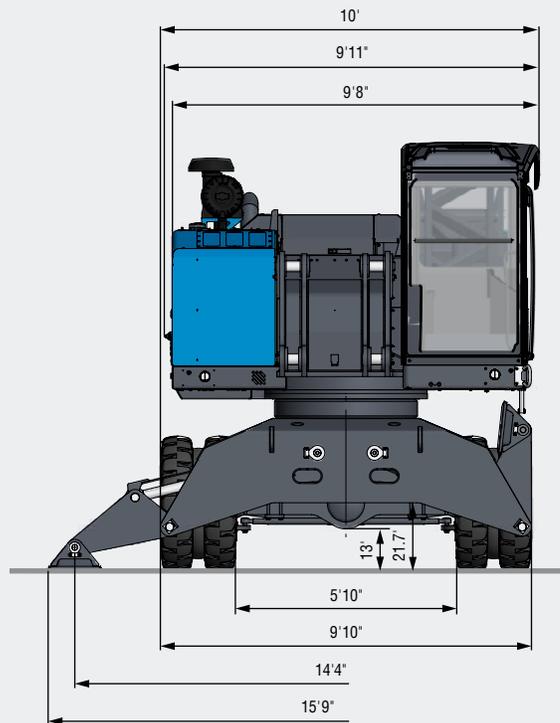
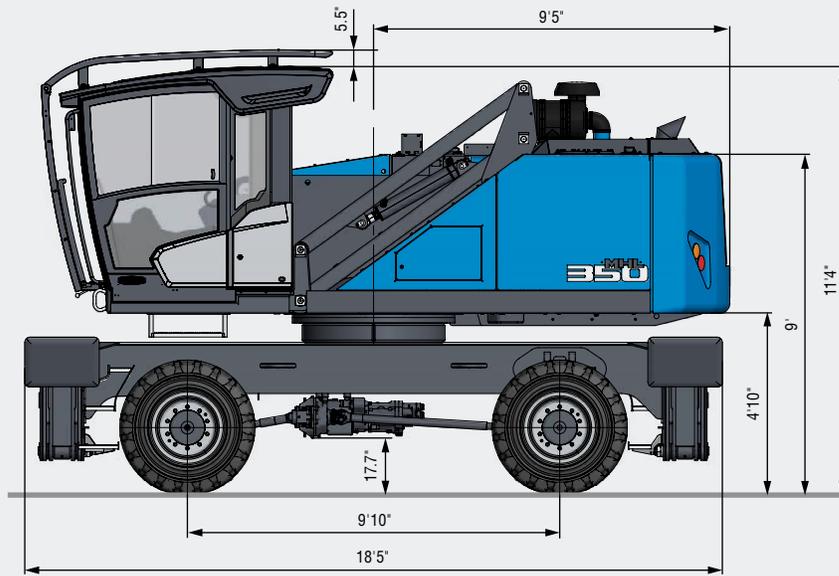
OTHER EQUIPMENT

13 kW DC generator with controls		●
20 kW DC generator with controls		●
Close proximity range limiter for dipperstick	●	
Coolant and hydraulic oil level monitoring system	●	
Filter system for attachments		●
Overload and working range monitoring	●	
Hose rupture valve for boom cylinder		●
Hose rupture valve for stick cylinder		●
Overload warning device		●
Quick coupling on dipperstick	●	
Dipperstick impact protection		●
Active cyclone prefilter (TOP AIR)		●
Hydraulic oil preheating 230 V		●
Lubrication of the grab suspension by central lubrication system	●	
Light packages LED		●
LED front headlights	●	
Fuchs Telematics System, incl. 2 years service		●

Further optional equipment available on request!

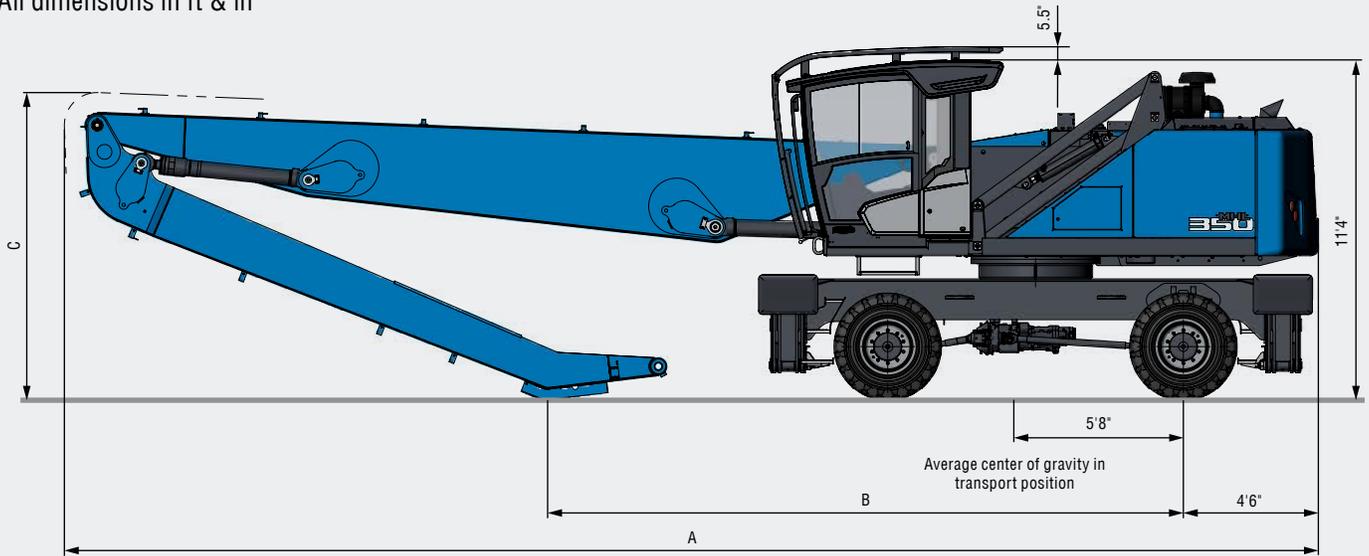
DIMENSIONS MHL350 F

All dimensions in ft & in



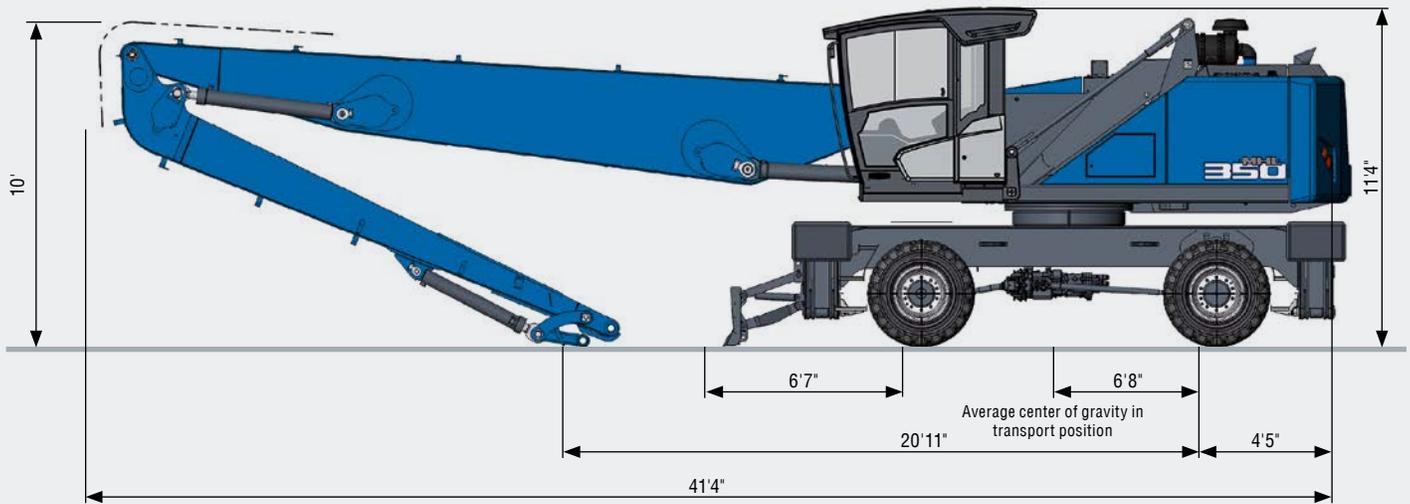
TRANSPORT DIMENSIONS MHL350 F

All dimensions in ft & in



Dimensions	Reach 52'6"	Reach 49'3"
A	41'8"	41'9"
B	19'7"	21'2"
C	11'11"	10'3"

Reach 48'3" | With multi-purpose stick | All dimensions in ft & in



LOADING SYSTEMS WITH DIPPERSTICK OR MULTI-PURPOSE STICK

Component	MHL350			MHL355
	Reach 52'6"	Reach 49'3"	48'3" with MPS	Reach 52'6"
Straight boom 27.8'	•	•	•	•
Dipperstick 20.3'		•		
Dipperstick 23.6'	•			•
Multi-purpose stick 18.4'			•	