

TECHNICAL DATA

OPERATING WEIGHT WITHOUT ATTACHMENTS

MHL320 F	46,958–50,926 lbs
----------	-------------------

DIESEL ENGINE

Manufacturer and model	Deutz TCD 3.6 L04
Design	4-cylinder in-line engine
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	127 hp (95 kW)
Rated speed	2000 rpm
Displacement	221 cui
Cooling system	Water and charge air cooling with temperature controlled fan speed
Exhaust emission standard	EPA Tier 4 final / EU stage IV
Fuel tank	81 gal Diesel
DEF / Urea tank	5.3 gal AdBlue

ELECTRICAL SYSTEM

Operating voltage	24V
Generator	28V / 100A
Battery	2 × 12V / 110Ah / 750A (according to EN)
Lighting system	2 × LED headlamps, turn indicators and tail lights
Optional equipment	9kW or 11 kW DC generator with controls and insulation monitoring

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	12.4 mph
Gradeability	max. 55%
Turning radius	22'11"

SWING DRIVE

Slew ring	Internally geared, double-row ball turning ring
Drive	2-stage planetary gear with integrated multi-disc brake
Uppercarriage swing speed	0–8.0 rpm
Rotating interlock	Electrically activated

UNDERCARRIAGE

Front axle	Planetary drive axle with integrated drum brake, rigidly mounted, max. steering angle: 30°
Rear axle	Oscillating planetary drive rear axle with integrated drum brake and selectable oscillating lock
Stabilization	4-point stabilizers 2-point-stabilizers with support blade
Tires	10.00-20 solid rubber with intermediate rings

BRAKE SYSTEM

Service brake	Hydraulic single-circuit braking system acting on all four wheel pairs (drum brakes)
Parking brake	Electrically operated spring-loaded drum brake on the transmission, acting on both front and rear axle

HYDRAULIC SYSTEM

Pump delivery rate	max. 77 gpm
Operating pressure	4641 / 5221 psi
Hydraulic oil tank	73 gpm

OPERATOR'S CAB

Cab	Infinitely variable hydraulic height-adjustment with eye level up to 17'5" above ground. 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 multiple 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. Multi-function 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 shut-down 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} 97.2 dB(A) (metered) acc. to directive 2000/14/EC L _{WA} 100 dB(A) (guaranteed) acc. to directive 2000/14/EC Sound pressure level (inside the cabin) acc. to directive ISO 6396 L _{PA} 72 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 brake	●	
Rear axle oscillating lock	●	
2-speed powershift transmission		●
4-point stabilizers	●	
Dozer blade in addition to 4-point stabilizers		●
2-point stabilizers and support blade		●
Stabilizer cylinders with integrated two-way check valves	●	
Piston rod protection on stabilizer cylinders	●	
Tool box	●	
Special paint (customer paint work)		●
Solid rubber tires (10.00-20) with intermediate rings	●	

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	●	
Reinforced glass (windscreen and roof panel)		●
Washer system (windshield)	●	
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 net	●	
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

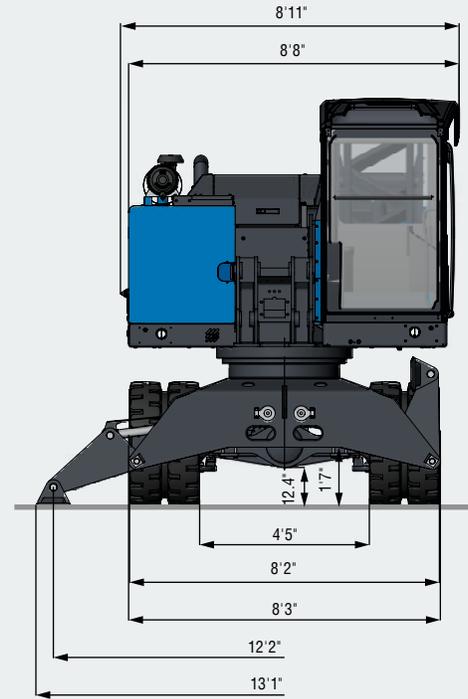
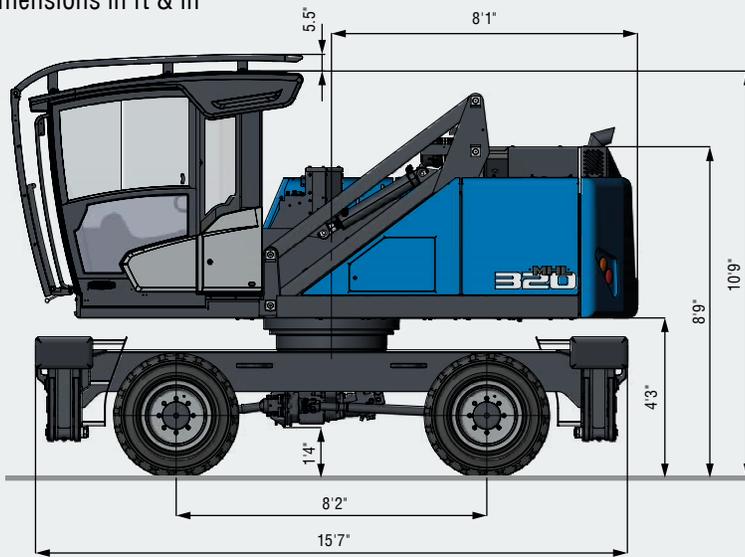
9kW DC generator with controls		●
11 kW DC generator with controls		●
Close proximity range limiter for dipperstick	●	
Coolant and hydraulic oil level monitoring system	●	
Overload and working range monitoring		●
Filter system for attachments		●
Hose rupture valve for boom cylinder		●
Hose rupture valve for stick cylinder		●
Overload warning device		●
Quick coupling on dipperstick	●	
Dipperstick impact protection		●
Active cyclone prefilter (TOP AIR)		●
Hydraulic oil preheating 230V		●
Lubrication of the grab suspension by central lubrication system	●	
Light packages LED		●
LED front headlights	●	
LED working lights cabin roof front	●	
Lifting cylinder w/ end position damping (piston accumulator)		●
Fuchs Telematics System, incl. 2 years service	●	

Further optional equipment available on request!

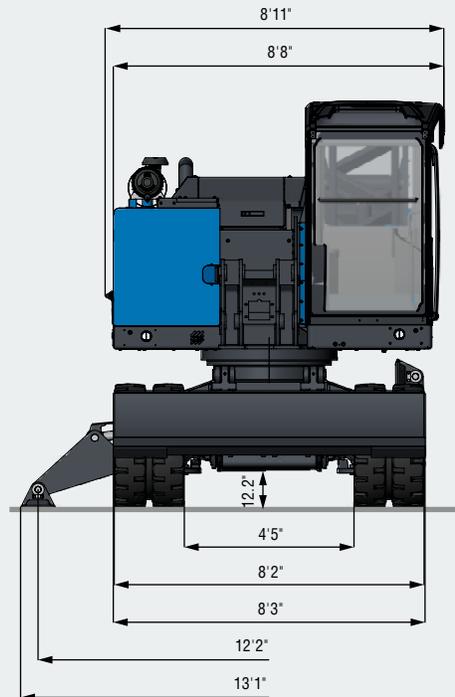
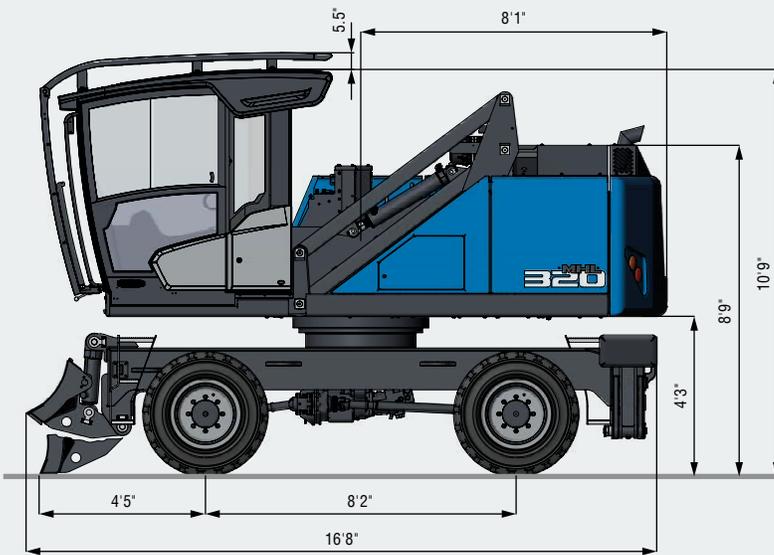
DIMENSIONS

4-POINT STABILIZERS

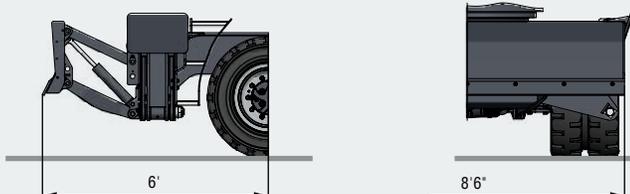
All dimensions in ft & in



2-POINT STABILIZERS AND SUPPORT BLADE



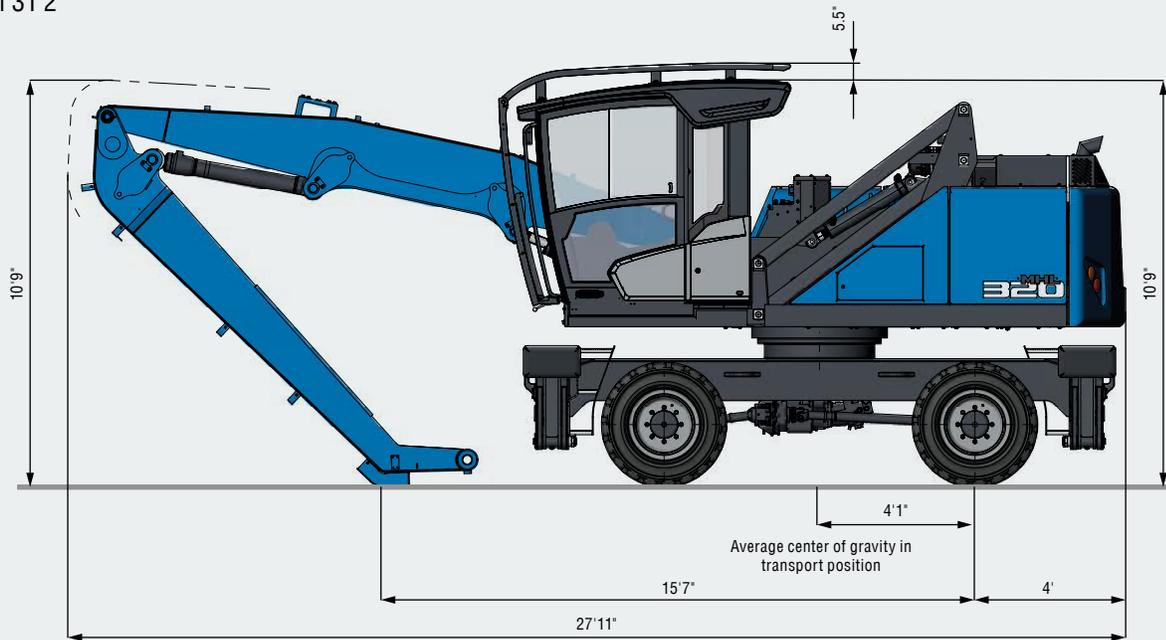
DOZER BLADE IN ADDITION TO 4-POINT STABILIZERS



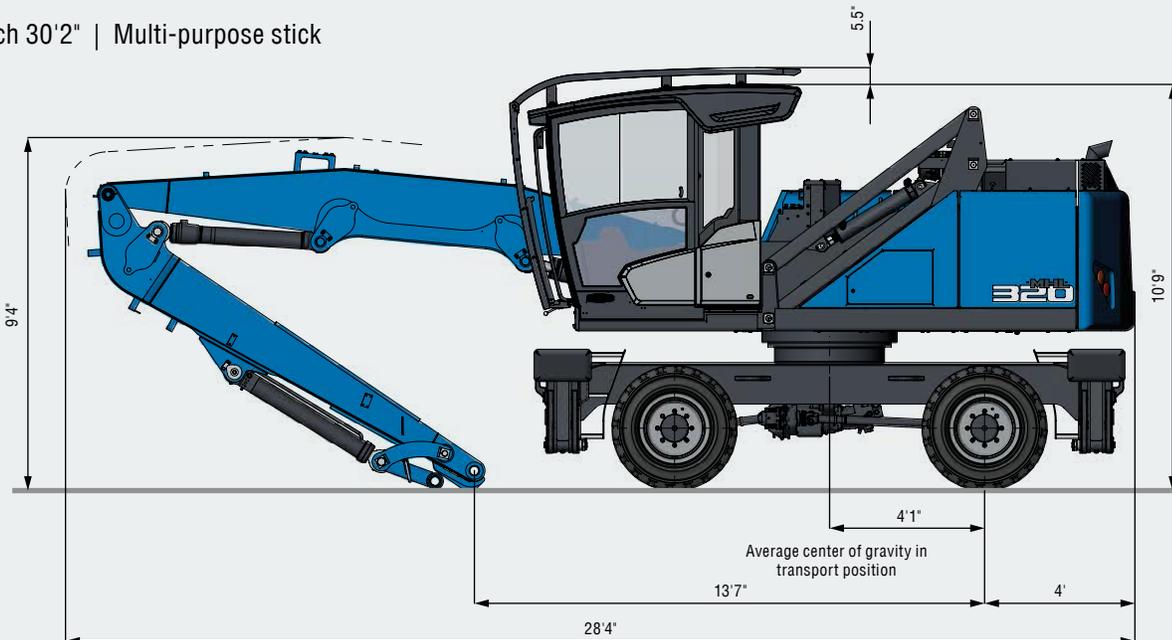
TRANSPORT DIMENSIONS

All dimensions in ft & in

Reach 31'2"



Reach 30'2" | Multi-purpose stick



TRANSPORT DIMENSIONS

All dimensions in ft & in

Reach 34'1"

