

# TECHNICAL DATA

## OPERATING WEIGHT WITHOUT ATTACHMENTS

MHL340 F	62,611–67,461 lbs
MHL340 F FQC	62,611–76,279 lbs

## DIESEL ENGINE

Manufacturer and model	Deutz 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	173 hp (129 kW)
Rated speed	2,000 rpm
Displacement	372 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	100 gal Diesel
DEF / Urea tank	8.5 gal AdBlue

## ELECTRICAL SYSTEM

Generator	28V / 100 A
Operating voltage	24V
Battery	2 × 12V / 110Ah / 750A (in accordance with EN standards)
Lighting system	2 × LED headlamps, turn indicators and tail lights
Optional equipment	13 kW or 17 kW DC generator with controls and insulation monitoring

## TRAVEL DRIVE

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

Travel speed 1 <sup>st</sup> gear	3.1 mph
Travel speed 2 <sup>nd</sup> gear	11.2 mph
Gradeability	max. 40%
Turning radius	27'3"

## SWING DRIVE

Slew ring	Internally geared, double-row ball turning ring
Drive	2-stage planetary gear with integrated multi-disc brake
Uppercarriage swing speed	Infinitely variable from 0–7.5 rpm
Rotating interlock	Electrically operated

## UNDERCARRIAGE

Front axle	Rigid axle with integral drum brake, planetary drive, max. steering angle: 27°
Rear axle	Oscillating axle with integral drum brake and selectable oscillation lock, planetary drive
Stabilization	4-point stabilizer system
Tires	10.00-20 solid rubber with intermediate rings for MHL340F, 12.00–20 for MHL340F FQC

## BRAKE SYSTEM

Service brake	Hydraulic single-circuit braking system acting on all four wheel pairs
Parking brake	Electrically operated disc brake on travel gearbox, acting on both front and rear axles

## HYDRAULIC SYSTEM

Pump delivery rate	max. 2 × 87 gpm
Operating pressure	4641 / 5221 psi
Hydraulic oil tank	92.5 gal

## OPERATOR CAB

Cab	Infinitely variable hydraulic height-adjustment with eye level up to 18'4" 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 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 <sub>WA</sub> 99.3 dB(A) (metered) acc. to directive 2000/14/EG L <sub>WA</sub> 101 dB(A) (guaranteed) acc. to directive 2000/14/EG Sound pressure level (inside the cabin) acc. to directive ISO 6396 L <sub>PA</sub> 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	●	
Dozer blade in addition to 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 (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)		●
Reinforced glass (windscreen and roof panel) (FQC)	●	
Washer system (windshield)	●	
Roof washer system (skylight)		●

## CAB (CONTINUED)

	Standard	Option
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	●	
Roof guard grille		●
Protective grilles to front and roof		●
12V transformer		●
Radio USB & Bluetooth (EU & USA)	●	
12V socket		●
Fire extinguisher, dry powder		●
Travel alarm w/ rotating beacon		●

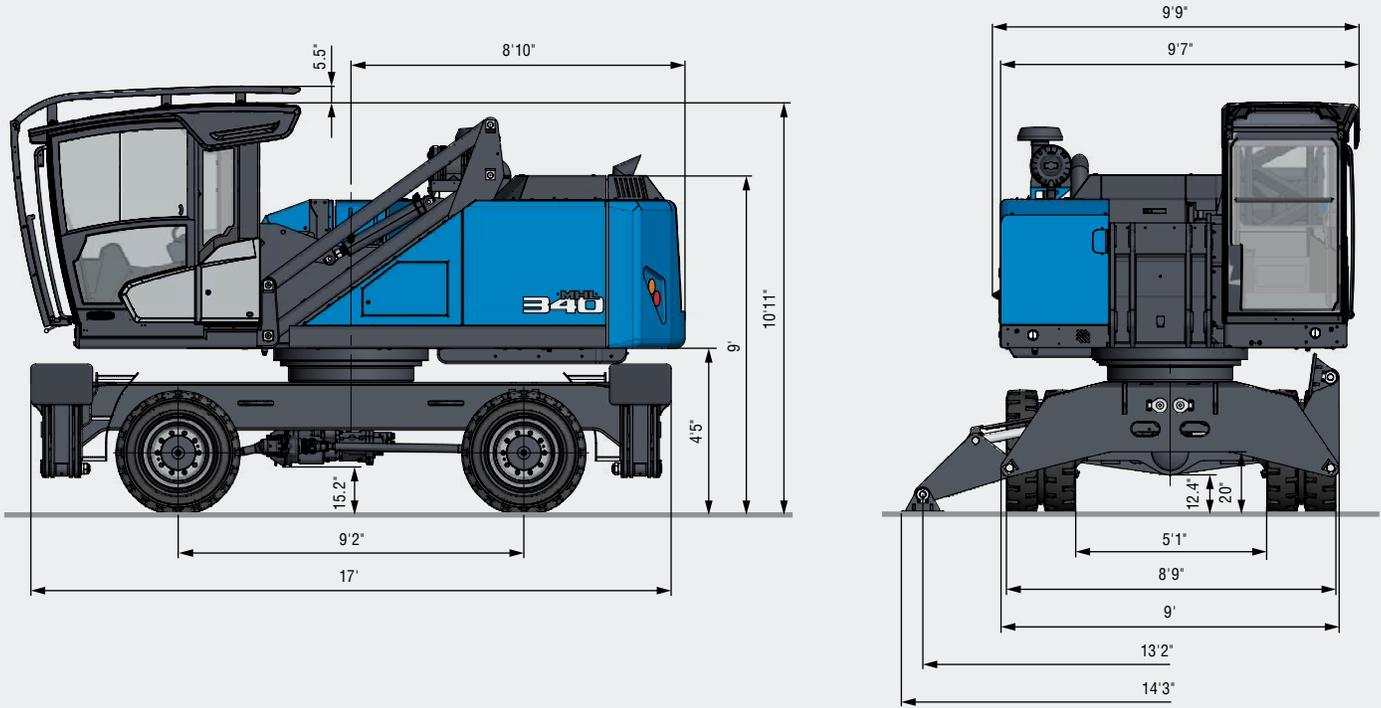
## OTHER EQUIPMENT

13 kW DC generator with controls		●
17 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		●
Filter system for attachments (FQC)	●	
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		●
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	●	

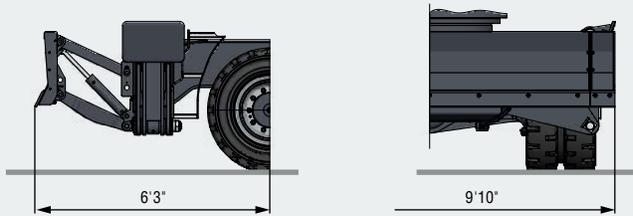
Further optional equipment available on request!

# DIMENSIONS

All dimensions in ft & in



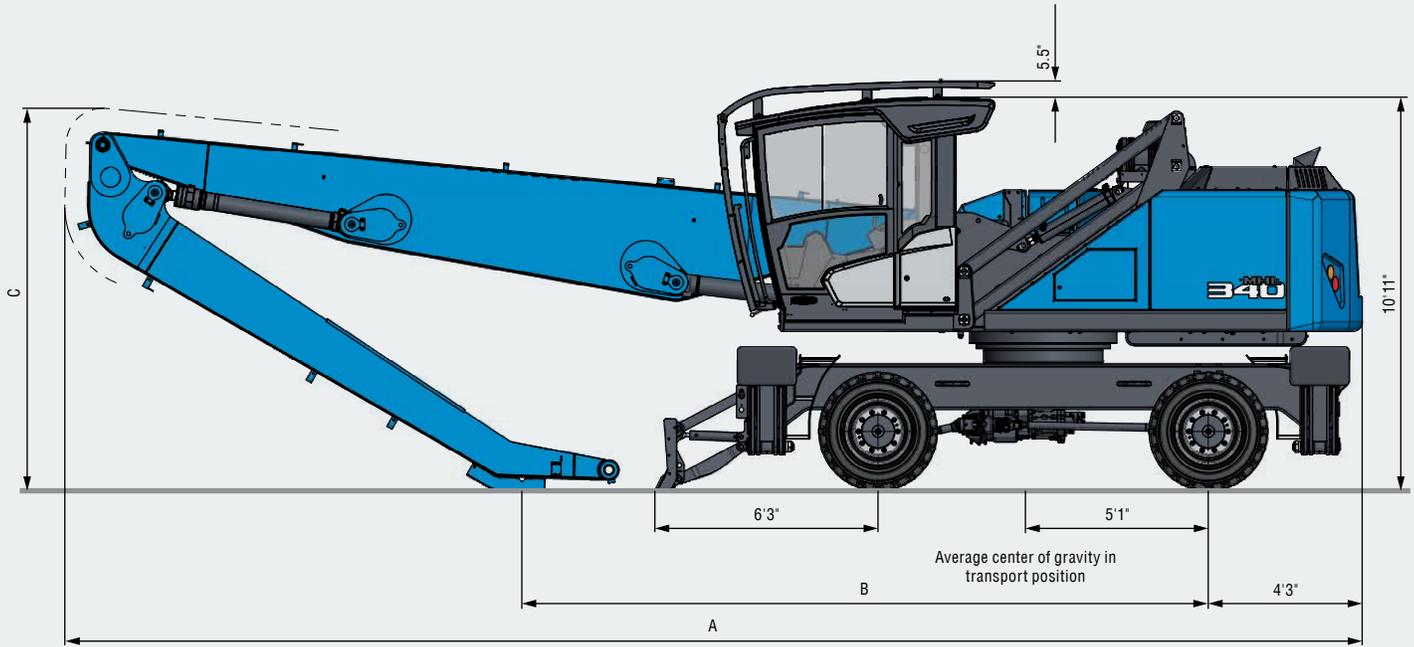
## DOZER BLADE IN ADDITION TO 4-POINT STABILIZERS



## TRANSPORT DIMENSIONS

Loading system 41'4": undercarriage equipped with dozer blade, rotated by 180°

All dimensions in ft & in



Dimensions	Reach 40' (multi-purpose stick)	Reach 41'4"	Reach 45'
A	36'9"	36'1"	36'1"
B	19'9"	19'1"	15'9"
C	10'2"	10'8"	10'1"

## TRANSPORT DIMENSIONS MHL340 FQC

All dimensions in ft & in

