

W60C

COMPACT WHEEL LOADER



ENGINE	
Model	FPT F5H FL463 C*F001
Emissions certification	Tier 4 Final
Type	4-stroke
Cylinders	4
Bore/Stroke	3.9 x 4.3 in (99 x 110 mm)
Displacement	207 in³ (3.4 L)
Fuel injection	High pressure, common rail injection
Fuel	Diesel
Fuel filter	Spin on, Beta (4) = 20
Air filter	Dry type element w/ warning restriction indicator
Exhaust aftertreatment:	
Cooled Exhaust Gas Recirculation (CEGR) w/ Diesel Oxidation Catalyst (DOC)	
Radiator:	
Core type	All aluminum
Fan:	
Style	Direct drive
Lubrication/cooling oil pump:	
Style	Integral
Engine Oil:	
Pump:	Rotor Pump w/ deep sump pan, plate cooled & pressurized under piston nozzles
Pump operating angle ratings:	
Side-to-side	Rated 35°
Fore and aft	Rated 35°
Oil filtration	Spin on, full flow
Engine speeds	RPM
Rated – full load	2500
Low idle	950
High idle – no load	2500
Horsepower @ 2500 RPM:	
Gross	64 hp (48 kW)
Net	60 hp (45 kW)
Peak torque @ 1400 RPM:	
Gross	192 lb-ft (260 N-m)
Net	188 lb-ft (255 N-m)

NOTE: Gross horsepower and torque per SAE J1349.
Net horsepower and torque per SAE J1349.



DRIVETRAIN		
Transmission	Hydrostatic transmission	
Pump relief	6092 psi (42 000 kPa)	
Pump flow @ 2500 RPM	26.4 gpm (100 L/min)	
Differential:	Open standard/limited slip optional	
Front axles:		
Differential ratio	3.67	
Planetary ratio	6.00	
Final axle ratio	22.00	
Gear box:		
1st ratio	1.85	
Planetaries	Outboard	
Service brakes:	Master cylinder hydraulically actuated, caliper on front axle	
Parking brake:	Mechanical, caliper on front axle	
Travel speeds	Forward	Reverse
	mph (kph)	mph (kph)
1st low	3.1 (5.0)	3.1 (5.0)
2nd high	12.4 (20.0)	12.4 (20.0)

ELECTRICAL	
Voltage	12 volts
Alternator	120 amp
Batteries	95 AHR, 900 CCA

OPERATOR ENVIRONMENT	
ROPS: ISO 3471: 2,008 lb (6 800 kg); Base and Deluxe Cab w/ heater and A/C; Key start; Articulated power steering w/ tilt column; Full adjustable, cloth suspension seat; Foot throttle; Single joystick w/ electronic speed shift control F/N/R switch, proportional loader control and proportional hydraulic auxiliary w/detent switch hydraulic; Cup holder; Storage tray on Deluxe Cab; Sun screen – front; Opening side window; Dome light; Wipers – front and rear; 12-volt auxiliary power; Lighter cigar and ashtray; Pocket cellular phone; Coat hook; External rearview mirrors; Loader control lockout; Display w/ encoder; SSL compatible coupler.	
Electronic information center	
Rear view camera	
Displays/Gauges:	
Vehicle speed; Hourmeter; Floating functionality on; Clock; Vehicle directions; Gear number engaged; PM Catalyst icons.	
Indicator lights:	
Main hydraulic enabled; Turn light – left and right; Rear work lamps; Work lamps; Main high beam; Side lights; Stop; Warning signal; Rabbit; Hand brake; Brake fluid level; Quick coupler on; Ride Control on; Creep speed; PM Catalyst; Low fuel level; Clogging air filter; Engine oil pressure; Glow plug; Alternator changing.	
Audible alarms:	
Caution alarm; Critical alarm; Backup alarm.	
Horn	

NOTE: If equipped w/ option.

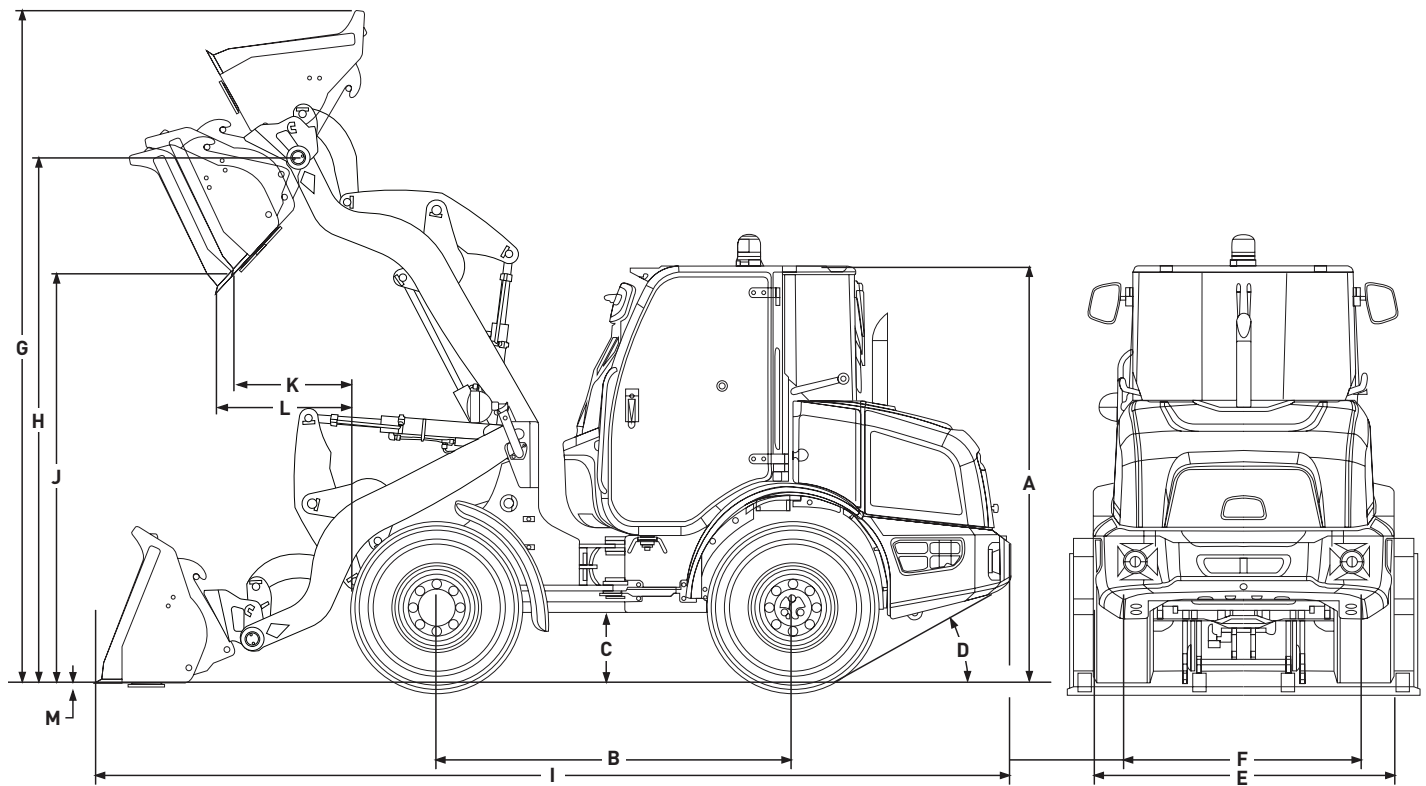
OPERATING WEIGHT	
Z-Bar:	11,826 lb (5364 kg)
Unit equipped w/ ROPS/FOPS cab w/ heater, standard HD counterweight, 12.5-18 MPT-04 Bias Mitas Tires, front and rear fenders, cab w/ heater and AC, 1.05 yd³ (0.8 m³) general purpose bucket w/ edge, full fuel, 165 lb (75 kg) operator	

HYDRAULICS	
Pump – steering/implement:	Open-centered pressure/flow compensated
Fixed gear type:	Max. 17.7 gpm @ 3336 psi (Max. 67 L/min @ 230 bar)
Loader control valve:	Open-center, Hydraulic Loader Control w/ single lever includes: Forward/Neutral/ Reverse switch, Floating switch, Low/High Travel mode switch, Auxiliary Function Roller
Loader auxiliary steering:	Hydraulic orbital center-pivot articulating w/ on-demand oil flow
Main relief pressure:	Z-bar 3336 psi (23 000 kPa)
Filtration:	15-micron, full flow replaceable cartridges on return line

SERVICE CAPACITIES	
Fuel tank	22.7 gal (86.0 L)
Hydraulic system:	
Reservoir	10.6 gal (40.0 L)
Total	14.0 gal (53.0 L)
Front and rear axle:	
Front axle	1.7 gal (7.6 L)
Rear axle	1.8 gal (8.4 L)
Engine oil w/ filter	1.8 gal (7.0 L)
Cooling*	3.4 gal (13.0 L)

NOTE: *1.72 gal (6.5 L) antifreeze + 1.72 gal (6.5 L) water.

OTHER SPECIFICATIONS		
Lift cylinder – Z-bar	Two (2)	
Bore diameter	4 in (101.6 mm)	
Rod diameter	2.0 in (50.8 mm)	
Stroke	27.68 (703 mm)	
Tilt cylinder:		
Bore diameter	3.75 in (95.3 mm)	
Rod diameter	2.0 in (50.8 mm)	
Stroke	12.6 (306 mm)	
Loader:		
Z-Bar:		
Z-Bar loader linkage	Single control for lift and tilt	
Positive hold float		
Hydraulic attachment coupler:	Skid steer compatible/horizontal pin compatible	
Cycle time:		
Z-Bar:		
Raise w/ rated bucket load	6.3 sec	
Dump w/ rated bucket load	1.7 sec	
Lower – empty	3.8 sec	



Line drawings are for illustrative purpose only and may not be exact representation of unit.

DIMENSIONS

Z-BAR

A	Height to top of ROPS cab	96.7 in [2457 mm]
B	Wheelbase	81.7 in [2075 mm]
C	Ground clearance under shaft	17.5 in [444 mm]
	Ground clearance under axles	12.6 in [321 mm]
D	Angle of departure	28°
	Width:	
E	Overall without bucket	68.5 in [1740 mm]
F	Centerline tread	55.1 in [1400 mm]
	Turning radius – outside	146.5 in [3721 mm]
	Turning angle:	
	From center	40°
	Total angle	80°
	Rear axle oscillation – total	18°

W60C COMPACT WHEEL LOADER SPECIFICATIONS

PERFORMANCE SPECS		
W60C Z-Bar	1.05 yd³ GP (0.8 m³) GP Bucket with Bolt-on Edge	1.44 yd³ GP (1.1 m³) LM Bucket with Bolt-on Edge
ISO bucket capacity – struck	0.78 yd³ [0.6 m³]	1.18 yd³ [0.9 m³]
Heaped	1.05 yd³ [0.8 m³]	1.44 yd³ [1.1 m³]
Bucket width – outside	80.7 in [2050 mm]	82.7 in [2100 mm]
Bucket weight – includes coupler and added components	1025 lb [465 kg]	1127 lb [511 kg]
G Operating height – fully raised with spillguard	163.5 in [4154 mm]	169.3 in [4301 mm]
H Hinge pin height – fully raised	125 in [3176 mm]	125 in [3176 mm]
I Overall length – bucket level on ground	224.1 in [5693 mm]	228 in [5792 mm]
Dump angle – fully raised	46°	46°
J Dump height – fully raised, 45° dump	90.3 in [2293 mm]	87.5 in [2223 mm]
K Bucket reach – fully raised, 45° dump	39.7 in [979 mm]	41.3 in [1049 mm]
L Bucket reach – 7 ft 0 in [2.13 m] height, 45° dump	48.1 in [1146 mm]	45.2 in [1147 mm]
M Dig depth	6.3 in [159 mm]	6.3 in [159 mm]
Operating Load (ROC) - ISO	3364 lb [1526 kg]	3322 lb [1507 kg]
Maximum material density – ISO	3215 lb/yd³ [1908 kg/m³]	2309 lb/yd³ [1370 kg/m³]
Tipping load – ISO:		
Straight	7869 lb [3569 kg]	7789 lb [3533 kg]
40° turn	6727 lb [3052 kg]	6644 lb [3014 kg]
Lift capacity:		
Full height	6512 lb [2954 kg]	6465 lb [2932 kg]
Maximum reach	7363 lb [3340 kg]	7274 lb [3299 kg]
Ground	10,579 lb [4798 kg]	10,532 lb [4777 kg]
Breakout force with tilt cylinder	8971 lb [4069 kg]	8035 lb [3645 kg]
Maximum rollback:		
@ Ground	44°	44°
@ Carry position	52°	52°
@ Maximum reach	57°	57°
@ Full height	71°	71°
Maximum grading angle with bucket – back dragging	49°	55°
Loader clearance circle with bucket	353.2 in [8972 mm]	355.7 in [9036 mm]

FORKS	
W60C Z-Bar	
Fork length	47.2 in [1200 mm]
Fork weight – includes coupler	869 lb [394 kg]
Operating load – level ground	3925 lb [1780 kg]
Operating mass	11,668 lb [5293 kg]
Tipping load – straight	5932 lb [2691 kg]
Tipping load – 40° turn	5080 lb [2304 kg]
Fork load center	19.7 in [500 mm]

Standard Equipment

Operator Environment

- See page 1
- Radio, antenna, and speakers

Engine

- FPT F5H FL463 C*F001
- Fuel filter with water trap
- Dual element air cleaner

Loader

- See page 3

Drivetrain

- 4-wheel drive
- Limited slip – front and rear axles
- Hydrostatic transmission
- Single joystick with electronic speed shift control F/ N / R switch and proportional loader control
- Outboard planetary axles
- Caliper service brakes
- Mechanical parking brake

Hydraulics

- Hydraulic remote control
- 3-spool loader control valve
- 3 Diagnostic quick couplers
- Adjustable electro hydraulic (EH) loader controls
Smooth, moderate & aggressive settings for both lift and tilt responsiveness:
 - Return to Dig
 - Hydraulic skid steer compatible coupler
 - Connect under pressure connectors
 - Remote drain of hydraulic oil
 - Aux. Hydraulic drain line coupling

Other

- Front and rear fenders
- Lights:
 - 2 Front driving headlights – high/low beam
 - 2 Rear flood lights
 - 2 Stop tail lights and backup light
 - Front and rear turn signal/flash
- Drawbar pin
- Articulation locking pin
- Tie-down and Lift-up point – front and rear
- Backup alarm
- Tool box
- Rotating beacon
- Bucket position indicator
- Heavy Duty counterweight
- Front electrical socket for powered attachments
- Rear view camera

Telematics

- New Holland FleetForce™ Telematics – includes hardware and a 5-year advanced data subscription for 2-way communication

Optional Equipment

Operator Environment

- Creep speed: 0 – 3.1 mph (5 kph)
- TeleScop adjustable steering column on Deluxe Cab
- Horizontal pin coupler
- 4 Corner strobes

Loader

- Buckets – see performance data:
 - General purpose standard
 - General purpose light material
- STD forks
- Auto Ride Control w/speed settings Cold weather with Block Heater - Two 680 CCA batteries and Low-temp Hytran oil

Tires

- 12.5-18 MPT-04 Bias Mitas
- 335/80 R18 EM-02 Mitas
- 335/80 R18 Goodyear Powerload
- 365/70 R18 EM Mitas
- 365/70 R18 Goodyear Powerload
- 405/70 R18 Goodyear Powerload

Other

- LED work lights, 2 front and 2 rear
- Wheel Chocks



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Learn more at www.newholland.com

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Safety begins with a thorough understanding of the equipment. Always make sure you and your operators read the Operator's Manual before using the equipment. Pay close attention to all safety and operating decals and never operate machinery without all shields, protective devices and structures in place. This is a one-person machine. Never allow riders in the cab, outside the machine, or in/on any bucket or attachment.

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