



## ENGINE

|                         |                                                                               |
|-------------------------|-------------------------------------------------------------------------------|
| Model                   | FPT F5H FL463 A                                                               |
| Emissions Certification | Tier 4 Final                                                                  |
| Type                    | 4-stroke                                                                      |
| Cylinders               | 4                                                                             |
| Bore/Stroke             | 3.9 x 4.3 in<br>(99 x 110 mm)                                                 |
| Displacement            | 207 in <sup>3</sup> (3.4 L)                                                   |
| Fuel injection          | High pressure,<br>common rail injection                                       |
| Fuel                    | Diesel                                                                        |
| Exhaust aftertreatment: |                                                                               |
|                         | Cooled Exhaust Gas Recirculation (CEGR)<br>w/ Diesel Oxidation Catalyst (DOC) |
| Engine speeds           | RPM                                                                           |
| Rated – full load       | 2500                                                                          |
| Low idle                | 950                                                                           |
| High idle – no load     | 2500                                                                          |
| Horsepower @ 2500 RPM:  |                                                                               |
| Gross                   | 74 hp (55 kW)                                                                 |
| Net                     | 70 hp (52 kW)                                                                 |
| Peak torque @ 1400 RPM: |                                                                               |
| Gross                   | 232 lb-ft (314 N-m)                                                           |
| Net                     | 227 lb-ft (308 N-m)                                                           |

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

## ELECTRICAL

|            |                 |
|------------|-----------------|
| Voltage    | 12 Volts        |
| Alternator | 120 amp         |
| Batteries  | 95 AHR, 900 CCA |

## DRIVETRAIN

|                      |                                                                   |
|----------------------|-------------------------------------------------------------------|
| Transmission         | Hydrostatic transmission                                          |
| Pump relief          | 6,092 psi (42 000 kPa)                                            |
| Pump flow @ 2500 RPM | 37.0 gpm (140 L/min)                                              |
| Differential:        |                                                                   |
|                      | Open standard/limited slip or 100% lock opt.                      |
| Planetaries          | Outboard                                                          |
| Service brakes:      |                                                                   |
|                      | Master cylinder hydraulically actuated,<br>wet disc on front axle |

SAHR park brake:  
Mechanical, caliper on front axle

| Travel speeds      | Forward     | Reverse     |
|--------------------|-------------|-------------|
|                    | mph (kph)   | mph (kph)   |
| 1st Low            | 3.6 (5.9)   | 3.6 (5.9)   |
| 2nd High           | 12.4 (20.0) | 12.4 (20.0) |
| Travel speeds – HS | Forward     | Reverse     |
|                    | mph (kph)   | mph (kph)   |
| 1st Low            | 3.2 (5.2)   | 3.6 (5.2)   |
| 2nd High           | 11 (17.7)   | 11 (17.7)   |
| 3rd High           | 21.7 (35)   | 21.7 (35)   |

NOTE: Travel speeds at full engine throttle  
w/ 365/80 R20 tires.

## OPERATOR ENVIRONMENT

ROPS: ISO 3471: 2,008 lb (6 800 kg); Deluxe Cab w/ heater and A/C; Key start; Articulated power steering w/ tilt column; Adjustable, cloth suspension seat; Foot throttle; Seat Mounted Single joystick w/ electronic speed shift control, F/N/R switch, proportional loader control and proportional hydraulic auxiliary w/detent switch hydraulic; Cup holder; High vis orange seat belt; Storage tray on Deluxe Cab; Sun screen – front; Opening side window; Dome light; Wipers – front and rear; 12-volt auxiliary power; Pocket cellular phone; Coat hook; External rearview mirrors; Loader control lockout; 4 Corner Strobes; Display w/ encoder; SSL compatible coupler.

Electronic information center

Displays/Gauges:

Vehicle speed; Hourmeter; Floating functionality on; High flow functionality on; Clock; Vehicle directions; Gear number engaged.

Indicator lights:

Diff. lock; 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:

Unit equipped w/ ROPS/FOPS cab w/ heater, standard counterweight, 365/70 R18 Dunlop Tires, front and rear fenders, 1.2 yd<sup>3</sup> (0.9 m<sup>3</sup>) general purpose bucket w/ edge, full fuel, 165 lb (75 kg) operator:

12,549 lb (5 692 kg)

## HYDRAULICS

Pump – steering/implement:

Open-centered pressure/flow compensated

Fixed gear type:

Standard flow:

Max. 22.5 gpm @ 3,336 psi  
(Max. 85 L/min @ 230 bar)

Optional high flow:

Max. 34.3 gpm @ 2,901 psi  
(Max. 130 L/min @ 230 bar)

Loader control valve:

Open-center circuit. Electro-hydraulic 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 3,336 psi (23 000 kPa)

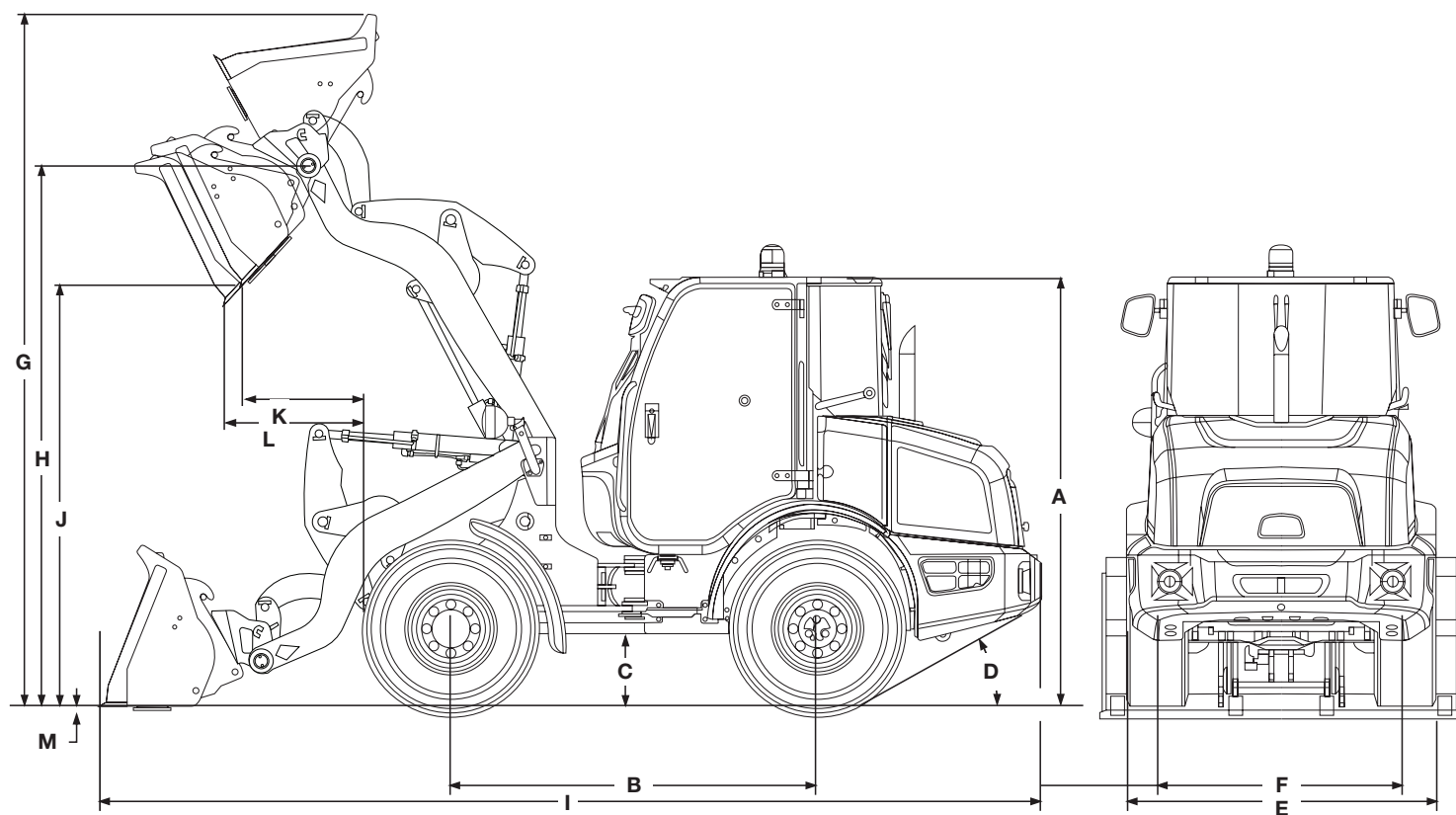
Filtration:

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           | 1.6 gal (7.3 L)   |
| Rear axle            | 1.9 gal (8.9 L)   |
| Rear axle HS         | 2.3 gal (10.5 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.



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

## DIMENSIONS

|                                        |                     |
|----------------------------------------|---------------------|
| <b>A.</b> Height to top of ROPS cab    | 103.4 in (2 627 mm) |
| <b>B.</b> Wheelbase                    | 87.6 in (2 225 mm)  |
| <b>C.</b> Ground clearance under shaft | 17.3 in (440 mm)    |
| Ground clearance under axles           | 12.5 in (317 mm)    |
| <b>D.</b> Angle of departure           | 27°                 |
| Width:                                 |                     |
| <b>E.</b> Overall without bucket       | 73.2 in (1 860 mm)  |
| <b>F.</b> Centerline tread             | 59.1 in (1 500 mm)  |
| Turning radius – outside               | 157.0 in (3 987 mm) |
| Turning angle:                         |                     |
| From center                            | 40°                 |
| Total angle                            | 80°                 |
| Rear axle oscillation – total          | 20°                 |

## PERFORMANCE SPECS

| 221G Z-Bar                                            | 1.2 yd <sup>3</sup> GP (0.9 m <sup>3</sup> ) GP<br>Bucket with Bolt-on Edge | 1.56 yd <sup>3</sup> GP (1.2 m <sup>3</sup> ) LM<br>Bucket with Bolt-on Edge |
|-------------------------------------------------------|-----------------------------------------------------------------------------|------------------------------------------------------------------------------|
| ISO bucket capacity – Struck                          | 0.92 yd <sup>3</sup> (0.7 m <sup>3</sup> )                                  | 1.31 yd <sup>3</sup> (1.0 m <sup>3</sup> )                                   |
| Heaped                                                | 1.18 yd <sup>3</sup> (0.9 m <sup>3</sup> )                                  | 1.57 yd <sup>3</sup> (1.2 m <sup>3</sup> )                                   |
| Bucket width – outside                                | 80.7 in (2 050 mm)                                                          | 82.7 in (2 100 mm)                                                           |
| Bucket weight – includes coupler and added components | 1,065 lb (483 kg)                                                           | 1,254 lb (569 kg)                                                            |
| G. Operating height – fully raised with spillguard    | 170.3 in (4 326 mm)                                                         | 175.9 in (4 469 mm)                                                          |
| H. Hinge pin height – fully raised                    | 129.5 in (3 290 mm)                                                         | 129.5 in (3 289 mm)                                                          |
| I. Overall length – bucket level on ground            | 230.1 in (5 844 mm)                                                         | 233.8 in (5 939 mm)                                                          |
| Dump angle – fully raised                             | 46°                                                                         | 46°                                                                          |
| J. Dump height – fully raised, 45° dump               | 95.7 in (2 432 mm)                                                          | 93.1 in (2 365 mm)                                                           |
| K. Bucket reach – fully raised, 45° dump              | 37.0 in (939 mm)                                                            | 39.6 in (1 006 mm)                                                           |
| L. Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump | 48.5 in (1 232 mm)                                                          | 48.9 in (1 243 mm)                                                           |
| M. Dig depth                                          | 5.9 in (151 mm)                                                             | 5.9 in (151 mm)                                                              |
| Operating Load (ROC) – ISO                            | 3,498 lb (1 791 kg)                                                         | 3,948 lb (1 791 kg)                                                          |
| Maximum material density – ISO                        | 3,354 lb/yd <sup>3</sup> (1 990 kg/m <sup>3</sup> )                         | 2,515 lb/yd <sup>3</sup> (1 492 kg/m <sup>3</sup> )                          |
| Tipping load – ISO:                                   |                                                                             |                                                                              |
| Straight                                              | 9,190 lb (4 169 kg)                                                         | 9,485 lb (4 302 kg)                                                          |
| 40° turn                                              | 7,897 lb (3 582 kg)                                                         | 7,895 lb (3 581 kg)                                                          |
| Lift capacity:                                        |                                                                             |                                                                              |
| Full height                                           | 8,309 lb (3 769 kg)                                                         | 8,125 lb (3 685 kg)                                                          |
| Maximum reach                                         | 10,593 lb (4 805 kg)                                                        | 10,403 lb (4 719 kg)                                                         |
| Ground                                                | 12,984 lb (5 890 kg)                                                        | 12,801 lb (5 806 kg)                                                         |
| Breakout force with tilt cylinder                     | 11,004 lb (4 991 kg)                                                        | 10,926 lb (4 956 kg)                                                         |
| Maximum rollback:                                     |                                                                             |                                                                              |
| @ Ground                                              | 40°                                                                         | 40°                                                                          |
| @ Carry position                                      | 48°                                                                         | 48°                                                                          |
| @ Maximum reach                                       | 67°                                                                         | 67°                                                                          |
| @ Full height                                         | 71°                                                                         | 71°                                                                          |
| Maximum grading angle with bucket – back dragging     | 58°                                                                         | 60°                                                                          |
| Loader clearance circle with bucket                   | 367.0 in (9 321 mm)                                                         | 371.4 in (9 433 mm)                                                          |

## FORKS

|                                |                      |
|--------------------------------|----------------------|
| 221G Z-Bar                     |                      |
| Fork length                    | 47.2 in (1 200 mm)   |
| Fork weight – includes coupler | 880 lb (399 kg)      |
| Operating load – level ground  | 5,002 lb (2 269 kg)  |
| Operating mass                 | 12,364 lb (5 608 kg) |
| Tipping load – straight        | 6,898 lb (3 129 kg)  |
| Tipping load – 40° turn        | 6,252 lb (2 836 kg)  |
| Fork load center               | 19.7 in (500 mm)     |

## STANDARD EQUIPMENT

### OPERATOR ENVIRONMENT

See page 1

### ENGINE

FPT F5H FL463 A  
Fuel filter with water trap  
Dual element air cleaner  
Smart Mode feature

### 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  
Auto Ride Control w/speed settings

### DRIVETRAIN

4-wheel drive  
Open – front and rear axles  
Hydrostatic transmission  
Single joystick with electronic speed shift  
control F/N/R switch and proportional  
loader control  
Outboard planetary axles  
Hydraulic wet disc brakes  
Mechanical parking brake

### HYDRAULICS

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  
Quick disconnect connectors  
Remote drain of hydraulic oil  
Aux. Hydraulic drain line coupling

### OTHER

Front and rear fenders  
Lights:  
2 LED Front driving headlights – high/low beam  
2 LED 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  
Wired for radio  
Bucket position indicator  
Front electrical socket for powered attachments  
4 corner strobes

### TELEMATICS

MyCASEConstruction Telematics – Includes  
hardware and 7-yr data subscription

## OPTIONAL EQUIPMENT

### OPERATOR ENVIRONMENT

Creep speed 0 – 3.1 mph (5 kph)  
Telescoping adjustable steering column  
on Deluxe Cab  
Canopy cab  
Limited slip – front and rear axles  
100% lock – front and open rear axles  
Horizontal pin coupler  
Radio, antenna, and speakers

### LOADER

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

### TIRES

14.5-20MPT-04 MITAS  
365/80 R20 SPT9 L2(DL.)  
365/70 R18 SPT9 L2 DUNL. – Standard  
12.5-20 10PRMPT04TBL MITAS  
365/80 R20 EM MITAS  
365/70 R18 EM MITAS  
550/45 R22.5 Flotation Tire  
360/80 Nokian Tri 2 Snow

CaseCE.com

©2026 CNH Industrial America LLC. All rights reserved. CASE is a trademark registered in the United States and many other countries, owned by or licensed to CNH Industrial N.V., its subsidiaries or affiliates. CNH Industrial Capital is a trademark in the United States and many other countries, owned by or licensed to CNH Industrial N.V., its subsidiaries or affiliates. Printed in U.S.A. Contains 10% post-consumer fiber.

IMPORTANT: CASE Construction Equipment Inc. reserves the right to change these specifications without notice and without incurring any obligation relating to such change. Availability of some models and equipment builds vary according to the country in which the equipment is used. The illustrations and text may include optional equipment and accessories and may not include all standard equipment. Your CASE dealer/distributor will be able to give you details of the products and their specifications available in your area.



CASE Construction Equipment is biodiesel-friendly. NOTE: All engines meet current EPA emissions regulations. All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.



Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs and use any safety features provided.