

R340

COMPACT TRACK LOADER

TIER 4 FINAL CERTIFIED



Model	FPT F5B FL413 D*C001
Emissions Certifica	ation Tier 4 Final
Type [Diesel, Turbo - Direct Injection
Cylinders	4
Bore/Stroke	3.9 x 4.3 in (99 x 110 mm)
Displacement	207 in ³ (3.4 L)
Fuel injection	Direct
Fuel	#2 Diesel
Fuel filter: Pre-filter Main filter	Beta (30) = 200/spin-on Beta (4) = 20/spin-on
Air intake	Turbocharged w/ waste gate and external cooled EGR
Exhaust aftertreatn	nent Selective Catalytic

Exhaust aftertreatment	Selective Catalytic		
	Reduction (SCR)		
Cooling	Liquid		
Engine speeds	RPM		
High idle – no load	2500 +/- 25		
Rated - full load	2500		
Low idle	1150 +/- 25		

Horsepower @ 2500 RPM - SAE J1349: Gross

90 hp (67 kW) Net 84 hp (63 kW)

Peak torque @ 1400 RPM 282 lb·ft (383 N·m)

Radiator:

Core type Aluminum bar and plate Core size area 319 in² (0.206 m²) Rows of tubes x columns 21 Cap pressure 16 +/- 2 psi (1.10 +/- 0.14 bar)

Fan:

Diameter 22 in (560 mm) 0.96:1 standard, 1.1:1 high-flow Ratio

Water pump:

Style Centrifugal 47.8 gpm (181 L/min) Flow

Engine lubrication pump:

Rotor pump w/ deep sump pan, plate cooler and pressurized under-piston nozzles

Pump operating angle ratings:	
Side to side	45°
Bucket up	35°
Bucket Down	45°

LIFT GEOMETRY

Radial Lift

DRIVETRAIN

Drive pump controls	Servo-assist mechanica
Pump to engine ratio	1:1
Displacement	2.81 in ³ (46 cm ³)
Flow @ rated engine F	RPM:
@ 97% efficiency	29.4 gpm (111 L/min)
Charge pressure	360 psi (24.5 bar)
System relief pressure	e 5,220 psi (360 bar)
Drive pump controls	Electro-hydraulic
Pump to engine ratio	1:1
Displacement	2.75 in ³ (45 cm ³)
Flow @ rated engine F	RPM:
@ 97% efficiency	28.8 gpm (109 L/min)
Charge pressure	362 psi (25.0 bar)
System relief pressure	e 5,220 psi (360 bar)
Drive motors:	
Max. displacement	3.10 in ³ (50.9 cm ³)
Displacement:	,
High speed	2 02 in ³ (33 1 cm ³)

2.02 in³ (33.1 cm³) Motor RPM @ high idle and 97% efficiency: 2-speed

Motor torque @ max. displacement and relief pressure, calculated @ 5,220 psi (360 bar): 4,654 lb·ft (6 310 N·m)

Travel speed: Low range

5.1 mph (8.2 kph) High range 8.0 mph (12.9 kph)

Final drive:

Planetary gearbox w/ 2-speed motor

Tractive effort 7,414 lb (3 370 kg) Parking brake:

Type Spring-applied, hydraulic release multiple disc. Engagement Depress on/off brake button on handle or instrument panel,

raise seat bar, get off seat or stop engine.

ELECTRICAL

Alternator	160 amp	
Starter	4.29 hp (3.2 kW)	
Battery	12-volt low-maintenance	
1,000 cold-cranking amps @ 0° F (-18° C°)		

OPERATOR ENVIRONMENT

ROPS/FOPS Level 1 canopy w/ side screens; Keyed start ignition; AM/FM radio w/ 2 speakers/Bluetooth; Keyless start ignition; Tilt ROPS/FOPS; Rear window w/ emergency escape; Suspension Seat, vinyl w/ 2 in (51 mm) retractable 3 point lap seat belt; Hand and Foot throttle; Alarm package - back-up and horn; Rearview mirror; Headliner; Dome Light; Top window; Cup holder; 12V Power plug socket; Foot rest; Seat Pocket; Padded seat bar w/ integral armrests; Loader control lockout system; Electric parking brake control; Operator's

compartment floor cleanout; Proportional auxiliary hydraulic control - on joystick; Advanced Instrument Cluster w/ digital hour meter, tachometer, Fuel level LCD bar graph w/ alarm, diagnostic features and security lockout.

Warning lights with alarms:

Engine coolant temperature; Engine oil pressure; Engine malfunction; Hydraulic charge pressure; Hydraulic filter restriction: Hydraulic oil temperature: Critical system stop, Engine system, Hydraulic system, Electrical and diagnostic system.

Warning alarms:

Battery voltage - plus display; Oil service.

Indicator light:

Engine preheat; Parking brake; Seat bar reminder.

OPERATING WEIGHT

Unit equipped w/ open cab; 165 lb operator; 78 in Dirt & Foundry bucket; full of fuel:

10,000 lb (4 536 kg)

Shipping weight	9,656 lb (4 380 kg)
Add-on weights:	
Side cab glass	47 lb (21.3 kg)
Polycarbonate cab door	75 lb (34.0 kg)
Glass cab door w/ wiper	75 lb (34.0 kg)
Suspension seat	22 lb (10.0 kg)
Additional counterweight	600 lb (273.0 kg)

Hydraulic filter

HYDRAULICS	
Implement pump type	Gear
Displacement: Standard aux. High-flow aux.	2.23 in ³ (36.6 cm ³) 1.24 in ³ (20.4 cm ³)
Standard flow @ rated @ 100% efficiency	engine RPM: 24.2 gpm (91.5 L/min)
Optional high-flow @ ra @ 100% efficiency	ated engine RPM: 37.6 gpm (142.5 L/min)
Enhanced high-flow @ @ 100% efficiency	rated engine RPM: 35.0 gpm (132.5 L/min)
Loader control valve: Type 3 spool/o Relief pressure	pen center/series - series 3,046 psi (210 bar)
Port relief pressures: Loader raise Bucket curl Bucket dump	3,263 psi (225 bar) 3,770 psi (260 bar) 1,160 psi (80 bar)
Hydraulic lines: Tubing Loop hoses	37° JIC Flare SAE 100 R19
Hydraulic oil cooler: Number of fins Number of tube rows Area	10 per inch (3.94 per cm) x columns 9 bar/plate 130.7 in² (843.2 cm²)

Beta (4) = 75/spin-on

HYDRAULICS CONT. Lift cylinders: Bore diameter 2.75 in (69.85 mm) Rod diameter 1.75 in (44.5 mm) Stroke 32.20 in (817.9 mm) Closed length 45.60 in (1 158.0 mm) Bucket cylinders:

Closed length	40.00 III (1 100.0 IIIIII)
Bucket cylinders:	
Bore diameter	3.0 in (76.2 mm)
Rod diameter	1.5 in (38.1 mm)
Stroke	16.4 in (410.0 mm)
Closed length	24.0 in (610.0 mm)

SE	RV	ICE	E C.	AP	AC	ITI	ES

Fuel Tank	25.5 gal (96.5 L)
Engine oil w/ filter	8.9 qt (8.5 L)
Hydraulic system:	
Reservoir	6.0 gal (22.7 L)
Total	11.9 gal (45.4 L)

Diesel Exhaust Fluid (DEF) Tank 2.8 gal (10.7 L)

PERFORMANCE SPECS

Rated operating capacity – R	OC*:			
35% of tipping load	2,380	lb (1	079 k	(g)
50% of tipping load	3,400	lb (1	542 k	g)
w/ additional counterweight	3,600	lb (1	633 k	(g)

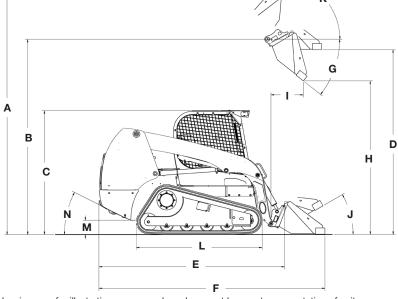
Tipping load*	6,800 lb (3 084 kg)
Breakout forces @ 3.15	in nsi (217 har)*·

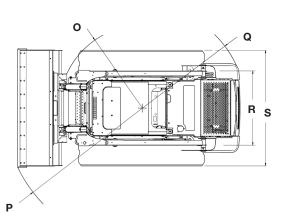
Bucket cylinders 8,700 lb (38.7 kN) Lift cylinders – hydraulic limit 7,760 lb (34.5 kN) Cycle times:

Cycle times:	
Raise	4.4 sec
Lower	2.6 sec
Dump	2.6 sec
Roll back	2.0 sec

NOTE: *Measured using 78 in (1.98 m) foundry/ excavating bucket.

76.5 in (1.94 m)





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

Over the track width

DIMENSIONS	
A. Overall operating height:	157.0 in (0.00 m)
with foundry/excavating bucket with heavy-duty dirt bucket	157.2 in (3.99 m) 161.4 in (4.10 m)
with low profile extended bucket	166.2 in (4.22 m)
Height to:	100.2 111 (4.22 111)
B. Bucket hinge pin	126.7 in (3.22 m)
C. Top of ROPS	80.4 in (2.04 m)
D. Bottom of level bucket, fully raised	118.7 in (3.02 m)
Overall length:	
E. without attachment with coupler	118.2 in (3.00 m)
F. with foundry/excavating bucket on ground	142.6 in (3.62 m)
with heavy-duty bucket	146.8 in (3.73 m)
with low profile extended bucket	151.7 in (3.85 m)
G. Maximum dump angle	38.1°
H. Dump height:	
with foundry/excavating bucket	102.2 in (2.59 m) @ 38.1°
with low profile bucket	99.5 in (2.53 m) @ 38.1°
I. Dump reach at maximum height with heavy-duty bucket	24.7 in (0.63 m) @ 38.1°
Maximum attachment rollback:	
J. Bucket on ground	30.6°
K. Bucket at full height	100.0°
L. Track on ground	64.5 in (1.64 m)
M. Ground clearance – bottom of belly pan	9.5 in (0.24 m)
N. Angle of departure	32.0°
Clearance circle:	
O. without bucket	55.8 in (1.42 m)
P. with 78 in (1.98 m) foundry/excavating bucket in carry position	86.2 in (2.19 m)
with 78 in (1.98 m) heavy-duty bucket on ground	90.0 in (2.29 m)
with 78 in (1.98 m) extended low profile on ground	94.4 in (2.40 m)
Q. Clearance circle rear	68.6 in (1.74 m)
R. Track gauge	58.6 in (1.49 m)
·	·

TR340B 2 of 4

TRACK SELECTION			
Туре	Area	Ground Pressure	Width to Outside Track
17.7 in (450 mm)	2,286 in ² (1.475 m ²)	4.2 psi (29 kPa)	76 in (1.93 m)

OPTIONAL BUCKETS			
Туре	Width	Weight	Heaped Capacity
Dirt & Foundry	72 in (1.83 m)	420 lb (190 kg)	16.2 ft ³ (0.46 m ³)
	78 in (1.98 m)	440 lb (200 kg)	17.7 ft ³ (0.50 m ³)
Low Profile	72 in (1.83 m)	480 lb (218 kg)	14.8 ft ³ (0.42 m ³)
Low Profile Extended	72 in (1.83 m)	510 lb (232 kg)	17.7 ft ³ (0.50 m ³)
	78 in (1.98 m)	540 lb (245 kg)	19.1 ft ³ (0.54 m ³)
	84 in (2.13 m)	575 lb (262 kg)	20.5 ft ³ (0.58 m ³)
Light Material	72 in (1.83 m)	475 lb (216 kg)	23.3 ft ³ (0.66 m ³)
	84 in (2.13 m)	540 lb (245 kg)	27.5 ft ³ (0.78 m ³)
Manure & Slurry	72 in (1.83 m)	480 lb (218 kg)	19.1 ft ³ (0.54 m ³)
Heavy-Duty	72 in (1.83 m)	510 lb (230 kg)	14.1 ft ³ (0.40 m ³)
	78 in (1.98 m)	530 lb (240 kg)	15.5 ft ³ (0.44 m ³)
	84 in (2.13 m)	550 lb (250 kg)	17.0 ft ³ (0.48 m ³)
Heavy-Duty Extended with SmartFit Teeth	72 in (1.83 m)	667 lb (303 kg)	17.4 ft ³ (0.49 m ³)
	78 in (1.98 m)	697 lb (316 kg)	18.9 ft ³ (0.54 m ³)
	84 in (2.13 m)	728 lb (330 kg)	20.5 ft ³ (0.58 m ³)

STANDARD EQUIPMENT

OPERATOR ENVIRONMENT

See page 1

ENGINE

FPT F5B FL413 D*C001 207 CID (3.4 L) Turbo Tier 4 Final Certified

Selective Catalytic Reduction (SCR)

Charged Air Cooler (CAC)

High Pressure Common Rail (HPCR)

fuel injection

Horsepower: Gross: 90 hp (67 kW) Net: 84 hp (63 kW)

Peak torque: 282 lb·ft (383 N·m)

160 amp alternator

Dual element air cleaner

Organic Acid Technology (OAT)

Anti-freeze solution to -34° F

Fuel tank - 25.5 gal (U.S.)

Over and under radiator and oil cooler

3-stack after cooler/radiator/oil cooler configuration

Glow plugs

Integral engine oil cooler

Fuel filter with water trap

1,000 CCA 12V battery

Master electrical disconnect

Jump Start Terminal

DRIVETRAIN

2-speed hydrostatic four wheel drive SAHR disc parking brake

HYDRAULICS

Auxiliary hydraulics: @ 3,050 psi (210 bar) – 24.2 gpm

(91.5 L/min)

6 micron oil filtration system

3-spool loader control valve Auxiliary hydraulic disconnects, ISO

flat-face – connect-under-pressure with case drain

Hydraulic circuit pedal lock

Auxiliary function lockout override

Loader lift lockout override

Heavy-duty hydraulic oil cooler

Loader arm float position

Loader function lockout system

LOADER

Heavy Duty Hydraulic attachment coupler

Radial lift geometry

Loader lift arm support strut SAE operating load: 3,400 lbs

Tipping load: 6,800 lbs

TRACKS

Rubber Tracks

OTHER STANDARD FEATURES

Halogen lights - 2 front, 2 side, 2 rear flood

Pre-wired for rotating beacon

Lockable service access hood

Single-point daily servicing

Rear tail lights

Remote oil drain

Remote oil and fuel filters

Block heater

Debris ingression sealing

Mounting points for add-on counterweights

TR340B 3 of 4

OPTIONAL EQUIPMENT

OPERATOR ENVIRONMENT

Enclosed cab:

Fully sealed and pressurized - FSP Glass door with wiper and washer Sliding side windows - removable Ventilation system with integrated heater Heater and air conditioner AM/FM Bluetooth radio with 2 speakers

and USB port

Keyless start ignition

8 in Color LCD Display

Economy Mode (auto idle shutdown)

Auto Engine Protection Shutdown

Electro-hydraulic controls:

For drive/steering, loader functions Switchable between H and ISO patterns Adjustable sensitivity of controls

Mechanical hand controls

Hand and foot controls:

Hand controls the loader drive function and foot controls the bucket and boom

Deluxe cloth air suspension seat w/ heater and lumbar support

Open cab interior trim package Demolition cab door with polycarbonate

FOPS Level 2 Ignition Timeout

Machine Settings User Access Levels

Operator Security Codes

HYDRAULICS

High-flow auxiliary hydraulics - combined: @ 3,050 psi (210 bar) - 37.6 gpm (142.5 L/min)

Enhanced High-flow auxiliary hydraulics - EHF: @ 4,000 psi (276 bar) - 35.0 gpm (132.5 L/min)

Second auxiliary hydraulics Hydraulic one-way self-leveling Ride control

LOADER

Auxiliary front electric control Manual attachment coupler

DRIVETRAIN

Creep Speed Mode

OTHER

Telematics

Language decals Factory-installed tires - see page 3 Buckets - see page 3 Bolt-on bucket cutting edges Bolt-on heavy-duty bucket spill guard Special paint Offsite service arrangement

FACTORY SUPPLIED ATTACHMENTS

Add-on counterweights Road lights Rotating beacon Four-corner LED strobe 48 in (1.22 m) pallet forks

SERVICE PARTS

3 inch (76.2 mm) retractable seat belt Bolt-on heavy-duty bucket teeth

CaseCE.com

©2020 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 biodieselfriendly. NOTE: All engines meet current EPA emissions regulations. All specifications are stated in accordance with SAF Standards or Recommended Practices, where applicable.



SAFETY™ 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.