F60C
ROUGH TERRAIN FORKLIFT

F60C ROUGH TERRAIN FORKLIFT SPECIFICATIONS

ENGINE	
Model	FPT F5HFL463D
Emissions certification	Tier 4 Final
Type	Diesel, 4-stroke, turbocharged
Cylinders	4
Bore/Stroke	3.9 x 4.33 in (99 x 110 mm)
Displacement	207 in³ (3.4 L)
Fuel injection	Direct high pressure common rail
Fuel	Diesel
Cooling	Charged air
Engine speeds*	RPM
Rated speed, full load	2200
Low idle	900 - 1000
High idle, no load	2330 - 2430
Horsepower @ 2200 RPM:	
Gross	74 hp (55 kW)
Net	68 hp (51 kW)
Maximum torque @ 1400 RPM:	
Gross	233 lb·ft (316 N·m)
Net	220 lb·ft (298 N·m)
Torque rise at rated speed	35% +/- 5%
Radiator:	
Core size area	486 in² (3145 cm²)
Rows of tubes	5
33° fan:	
Style	7 blade suction
Ratio	1.1:1
Engine oil	CJ-4 – semi-synthetic 10W40
Pump operating angle ratings:	
Side-to-side	Rated 35°
Fore and aft	Rated 35°
Oil filtration	Replaceable, spin-on

NOTE: *Meets federal emission regulations.

DRIVETRAIN	
Transmission - standard:	
4F-4R Power Shuttle	
Synchromesh Transmission manual gear shift fully synchronized	
Gear ratios	Forward/Reverse
1st	5.603/5.603
2nd	3.481/3.481
3rd	1.584/1.584
4th	0.793/0.793
Travel speeds	mph (kph)
1st	3.8 (6.1)
2nd	6.1 (9.8)
3rd	12.8 (20.6)
4th*	24.0 (38.6)
Torque converter ratio	3.01
Differential lock	On-the-go push-button activation
Drive/steer axle:	
Differential ratio	2.5/2.0
Planetary hub ratio	6.4/6.0
Total reduction ratio	16.0/12.0
Service brakes:	
Individually applied, hydraulically actuated, outboard mounted, wet disc, 2 per side	
Parking brakes:	
Transmission Mounted spring applied hydraulic release – SAHR	

NOTE: *Travel speeds at 2330 engine RPM w/ 19.5 L x 24 tires.

ELECTRICAL	
Voltage	12 volts
Alternator	120 amp
Battery	950 cold-cranking amps
Power plugs – 2	30 amps total

OPERATOR ENVIRONMENT
ROPS/FOPS certified protective canopy; Wide walk through platform; Vinyl seat; 3 in (76 mm) seat belt; Molded front fenders; Rearview mirrors, left and right.
Gauges: Hour meter; Engine RPM; Engine coolant temperature; Transmission oil temperature; Job timer; Fuel level.
Warning lights: Air cleaner restriction; Alternator; Cold start; Engine oil pressure; Hydraulic oil filter bypass; Parking brake engagement; Engine coolant temp; Battery voltage.
Audible alarms: Coolant temperature; Engine oil pressure; Parking brake engagement; Converter oil temperature; Backup; Horn.

OPERATING WEIGHT	
Configuration 1 – Lightest (with canopy option):	13,682 lb (6206 kg) 15 ft Std. Mast, 48 in forks
Configuration 2 – Heaviest (with cab option):	15,061 lb (6831 kg) 4WD, cab, 22 ft Std. Mast, 48 in forks
Add-on weights:	
Cab:	440 lb (200 kg)
Masts:	
15 ft Std. Mast	1863 lb (845 kg)
22 ft Std. Mast	2608 lb (1 183 kg)
Carriage – 60 in	110 lb (50 kg)
Forks:	
Hook style	322 lb (146 kg)

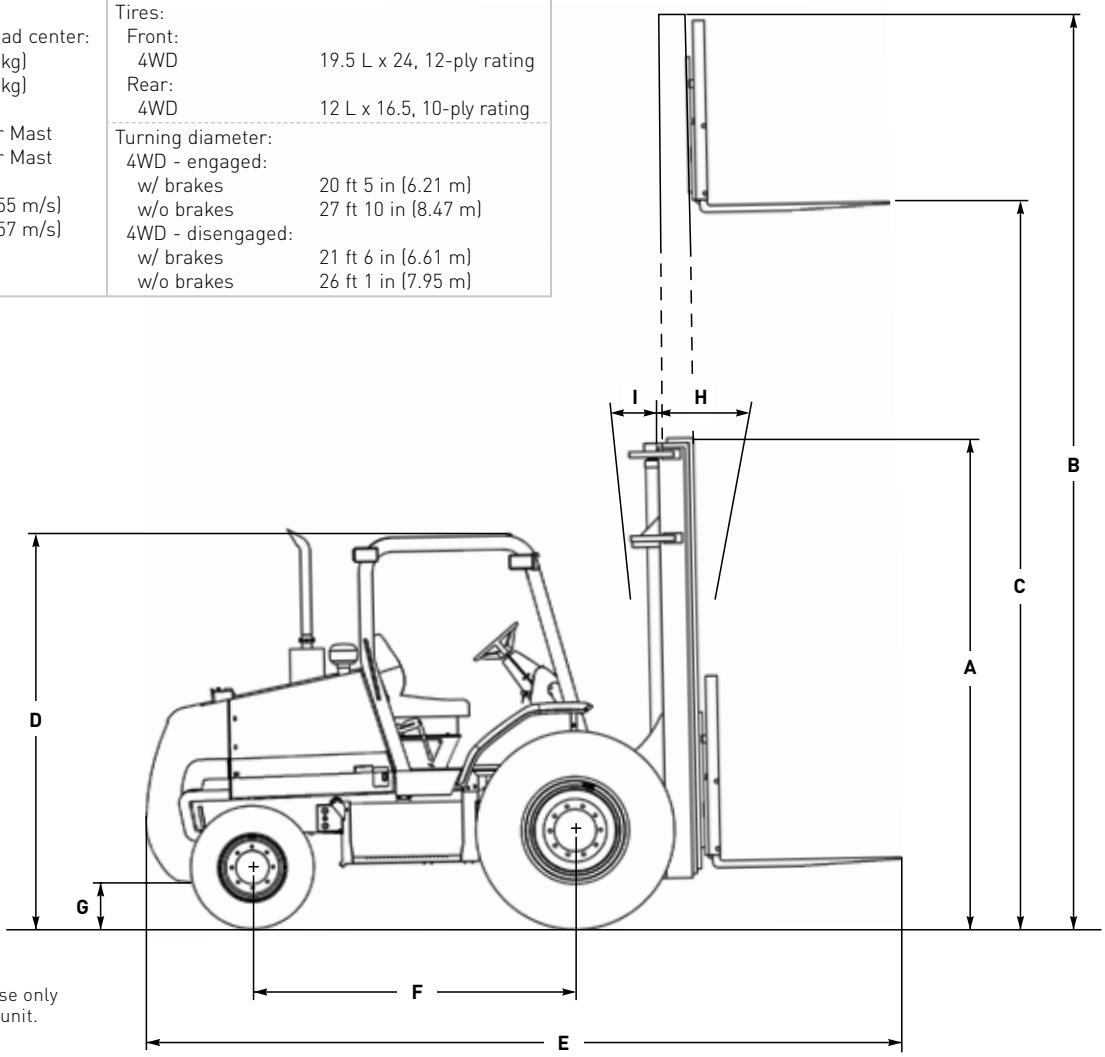
HYDRAULICS	
Pump	Gear pump
Capacity	18 gal/min @ 3000 psi (68 L/min @ 207 bar)

SERVICE CAPACITIES	
Fuel tank	31 gal (119 L)
Hydraulic system:	
Total	74 qt (70 L)
Reservoir w/ filter	58 qt (55 L)
Reservoir w/o filter	56 qt (53 L)
Transmission:	
4WD:	
Total	22.0 qt (20.8 L)
Reservoir	15.2 qt (14.4 L)
Front axle:	
Differential and Planetaries	14.4 qt (13.6 L)
Rear axle:	
Differential and Planetaries	5.8 qt (5.5 L) 0.7 qt (0.7 L)
Engine oil w/ filter	8.5 qt (8.0 L)
Cooling system	18.3 qt (17.3 L)

OTHER SPECIFICATIONS

Mast:	
Lift capacity to full height w/ 24 in load center:	
15 ft Std. Mast	6000 lb (2722 kg)
22 ft Std. Mast	3000 lb (1361 kg)
Mast type:	
15 ft Std. Mast	2 Stage Roller Mast
22 ft Std. Mast	3 Stage Roller Mast
Lift speed:	
15 ft Std. Mast	107 ft/min (0.55 m/s)
22 ft Std. Mast	112 ft/min (0.57 m/s)

Tires:	
Front:	
4WD	19.5 L x 24, 12-ply rating
Rear:	
4WD	12 L x 16.5, 10-ply rating
Turning diameter:	
4WD - engaged:	
w/ brakes	20 ft 5 in (6.21 m)
w/o brakes	27 ft 10 in (8.47 m)
4WD - disengaged:	
w/ brakes	21 ft 6 in (6.61 m)
w/o brakes	26 ft 1 in (7.95 m)



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

DIMENSIONS

		15 ft (4.57 m) Std. Mast	22 ft (6.71 m) Std. Mast
A	Overall height to top of mast – mast closed	10 ft 7 in (3.23 m)	10 ft 7 in (3.23 m)
B	Overall operating height – mast raised to full height	18 ft 0 in (5.49 m)	25 ft 2 in (7.67 m)
C	Maximum fork height – forks horizontal	15 ft 0 in (4.57 m)	22 ft 0 in (6.71 m)
	Maximum Freelift fork height	3 in (76 mm)	2 in (51 mm)
D	Overall height to top of ROPS (19.5L x 24, 12-ply tires)		
	Canopy	104.1 in (2645 mm)	104.1 in (2645 mm)
	Cab	106.0 in (2692 mm)	106.0 in (2692 mm)
E	Overall length with 48 in forks	16 ft 2 in (4.93 m)	16 ft 3 in (4.95 m)
F	Wheelbase:		
	4WD	84.5 in (2.15 m)	84.5 in (2.15 m)
G	Ground clearance:		
	4WD	10.3 in (260 mm)	10.3 in (260 mm)
H	Forward mast tilt	45°	45°
I	Backward mast tilt	15°	15°
Overall width – outside tires		7 ft 0 in (2117 mm)	7 ft 0 in (2117 mm)
Mast side shift – right		3 in (76 mm)	3 in (76 mm)
Mast side shift – left		3 in (76 mm)	3 in (76 mm)

Standard Equipment

Engine

- FPT 3.4 L Diesel
- Cooled EGR
- Diesel Oxidation Catalyst
- Full flow engine oil filter
- Air cleaner:
  - Replaceable dry type with radial seal
- Radiator with de-aeration bottle
- Antifreeze to -34°F (-37°C)
- Foot throttle
- Self adjusting belt
- Insulated CCV hose
- Glow Plugs
- Block Heater
- Pre Cleaner
- Master Disconnect Switch
- Remote Jump Start Terminals for Battery

Mast

- See page 2

Drivetrain

- Front axle, as selected:
  - 4WD heavy-duty outboard planetary drive, with 19.5 L x 24 tires
- Rear axle:
  - 4WD heavy-duty mechanically driven rear axle, with 12 L x 16.5 tires
- 4F-4R Power Shuttle
  - Synchromesh Transmission
- Torque converter
- On-the-Go electric 4WD control
- Electric F/R shuttle control
- Electric differential lock control, with push-button activation
- Park brake, spring applied, hydraulic release

Hydraulics

- Heavy-duty hydraulic oil cooler
- 7 micron, spin-on oil filter

Operator Environment

- See page 2

Other

- Storage Compartment, lockable
- Swing out side panel engine access
- Front/rear tie downs
- Reflective logos
- Light Package:
  - 2 front halogen driving lights
  - 2 rear halogen work lights
  - 1 rear tail/stop light
  - 2 front turn signals
  - 2 rear turn signals
  - Hazard warning

Telematics

- myNewHollandConstruction Telematics
  – includes hardware and a 7-year advanced data subscription

Optional Equipment

Masts/Forks/Carriages

- 3 Mast options for all day lifting:
  - 15' Straight Lift
  - 22' Straight Lift
  - 16' Free Lift
- 60" Carriage with Hook Rail for Hook Type Forks
- Fork lengths (48" - Standard. 60" and 72" also available)
- Hook forks

Hydraulics

- 4 section valve for auxiliary hydraulics

Operator Environment

- Orchard Light Guarding
- Full ROPS/FOPS certification
- Load control
- Deluxe suspension seat, with lumbar support and high adjustments

Other

- Special paint

NEW HOLLAND CONSTRUCTION

New Holland Construction
500 Diller Ave.
New Holland, PA 17557

Learn more at **www.newholland.com**

Design, materials and/or specifications are subject to change without notice and without liability therefor. Specifications are applicable to units sold in Canada, the United States, its territories and possessions, and may vary outside these areas.

© 2026 CNH Industrial America LLC. All rights reserved. New Holland is a trademark in the United States and many other countries, owned by or licensed to CNH Industrial N.V., its subsidiaries or affiliates. Any trademarks referred to herein, in association with goods and/or services of companies other than CNH America LLC, are the property of those respective companies.

THINK SAFETY

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.

NHC713026930 • 1026 • OTP • PRINTED IN U.S.A.