

ENGINE

Model	FPT F4HFE6132 Tier 4 Interim Certified
Cylinders	6
Displacement	409 in ³ (6.7 L)
Fuel injection	Direct common rail
Fuel	#2 Diesel
Fuel filter	Spin-on w/ in line strainer
Air intake	Cross-flow
Cooling	Liquid
Engine speeds	RPM
High idle – no load	2200 +/- 50
Rated – full load	2200
Low idle	800 +/- 25
Horsepower @ 2000 RPM – SAE J1349:	
Net	150 hp (112 kW)
Gross	164 hp (122 kW)

Engine lubrication:

Pump	Deep sump plate cooler w/ pressurized under-piston nozzles
Pump operating angle ratings:	
Side-to-side	35°
Fore and aft	45°
Oil filtration	Replaceable, spin-on full flow cartridge
Radiator:	
Fins per inch	10
Fan:	
Type	Variable speed/ Auto reversing/Hydraulic driven
Diameter	27.6 in (700 mm)

DRIVETRAIN

Dual path hydrostatic:	
Pump	Variable axial piston
Motor	Variable bent axis piston
Max. drawbar pull*	61,200 lb (272.2 kN)
Transmission	Single lever control electronic straight tracking
Oil filter	4-micron at beta 75, replaceable w/ 100 mesh suction screen
Travel speeds*:	
Forward	5.8 mph (9.3 kph)
Reverse	5.8 mph (9.3 kph)
Parking brakes	Heavy-duty, spring-applied, hydraulic pressure release
Steering brakes	Hydrostatic
Final drive	2 helical gear reduction to planetary output
Ratio	60.9:1

NOTE: *Measured using standard track chain. Increase travel speeds by 4% and reduce drawbar pull by 4% w/ the optional CELT track chain.

DRIVETRAIN (cont.)

Transmission cooling:	
Type	Oil to air
Core size	515.1 in ² (0.33 m ²)

ELECTRICAL

Alternator	120 amp
Batteries	(2) 12-volt, low-maintenance 925 cold-cranking amps @ 0° F (-18° C)
Electrical system	24 Volts

OPERATOR ENVIRONMENT

Fully enclosed ROPS cab; Single lever control for speed, steering and direction; Cloth air suspension seat w/ back adjustment; Retractable 2 in (51 mm) seat belt; Adjustable armrest; Two foot rest; Rearview mirror; Two door windshield wipers; Dome light; 12-volt accessory outlet; Headliner; Floor mat.

Warning lights:

Air filter; Alternator; Diagnostic fault indicator; Engine coolant temperature; Engine oil pressure; Hydraulic filter; Low fuel level; Park brake engaged; Service soon indicator; Transmission filter; Transmission charge pressure.

Gauges:

Battery voltage; Fuel level; Digital hour meter/ tachometer/ diagnostic/ service reminder; Transmission oil temperature; Transmission speed indicator; Water temperature; Diesel Exhaust Fluid (DEF) level.

Audible warnings:

Engine coolant temperature; Engine oil pressure; Low fuel level; Transmission charge pressure; Transmission/hydraulic temperature.

OPERATING WEIGHT

Extra long track	37,750 lb (17 123 kg)
Wide track	38,650 lb (17 531 kg)
Low ground pressure	39,550 lb (17 940 kg)

Add-on weights:

Drawbar	146 lb (66 kg)
Ripper – 3 shank	2,988 lb (1 355 kg)
Winch	5,513 lb (2 500 kg)

CELT chain:

22 in (559 mm)	183 lb (83 kg)
24 in (610 mm)	196 lb (89 kg)
28 in (711 mm)	179 lb (81 kg)
32 in (813 mm)	172 lb (78 kg)
34 in (864 mm)	183 lb (83 kg)

Center rock guard	571 lb (259 kg)
Sweeps	139 lb (63 kg)

NOTE: Unit equipped w/ cab, full fuel tank, 170 lb (77 kg) operator, front pull hook, rear retrieval hitch, track guides, PAT blade.

HYDRAULICS

Pump flow @ 2200 RPM @ 2,830 psi (195 bar):	
	34.9 gpm (132 L/min)

PAT lift cylinder	Two (2)
Bore diameter	4.50 in (114.3 mm)
Rod diameter	2.50 in (63.5 mm)
Stroke	16.88 in (428.8 mm)

PAT angle cylinder	Two (2)
Bore diameter	4.50 in (114.3 mm)
Rod diameter	2.50 in (63.5 mm)
Stroke	19.79 in (502.7 mm)

PAT tilt cylinder	One (1)
Bore diameter	5.00 in (127.0 mm)
Rod diameter	2.50 in (63.5 mm)
Stroke	5.84 in (148.4 mm)

Lift cylinder (Bulldozer underneath)	Two (2)
Bore diameter	3.25 in (82.6 mm)
Rod diameter	2.00 in (50.8 mm)
Stroke	39.37 in (1 000.0 mm)

Tilt cylinder (Bulldozer underneath)	One (1)
Bore diameter	4.50 in (114.3 mm)
Rod diameter	2.50 in (63.5 mm)
Stroke	4.96 in (126.0 mm)

SERVICE CAPACITIES

Fuel tank	85.0 gal (322.0 L)
Engine oil w/ filter	17.3 qt (16.4 L)
Engine oil w/o filter	16.5 qt (15.6 L)
Engine cooling system	8.0 gal (30.28 L)
Hydraulic reservoir	42.0 gal (160.0 L)
Final drive – per side	15.0 qt (14.2 L)
Track rollers – each	0.29 qt (0.275 L)
Front idlers – each	0.237 qt (0.225 L)
Carrier rollers – each	0.353 qt (0.334 L)
DEF tank	14.0 gal (52.0 L)

OTHER SPECIFICATIONS**Undercarriage:**

Track adjustment	Hydraulic
Frame	Pivot shaft and oscillating equalizer beam suspension
Length of track on ground	120.1 in (3.05 m)
Track link pitch	7.5 in (190 mm)
Track shoe height	2.19 in (56 mm)
Pin diameter	1.5 in (38 mm)
Bushing diameter:	
CLT track	2.56 in (65 mm)
CELT track	3.37 in (86 mm)
Track shoes per side	45
Track rollers per side	8
Carrier rollers per side	2
Track roller rail diameter	7.99 in (203 mm)

OTHER SPECIFICATIONS (CONTINUED)

Track on ground:

Shoe area:

22 in (559 mm)	5,284 in ² (34 093 cm ²)
24 in (610 mm)	5,767 in ² (37 204 cm ²)
28 in (711 mm)	6,721 in ² (43 027 cm ²)
32 in (813 mm)	7,676 in ² (49 524 cm ²)
34 in (864 mm)	8,168 in ² (52 695 cm ²)

Track:

Extra long track:

22 in (559 mm) closed grousers and CLT
22 in (559 mm) open grousers and CELT
24 in (610 mm) closed grousers and CLT
24 in (610 mm) open grousers and CELT

Track (continued):

Wide track:

28 in (711 mm) closed grousers and CLT
28 in (711 mm) open grousers and CELT
32 in (813 mm) closed grousers and CLT
32 in (813 mm) open grousers and CELT

Low ground pressure:

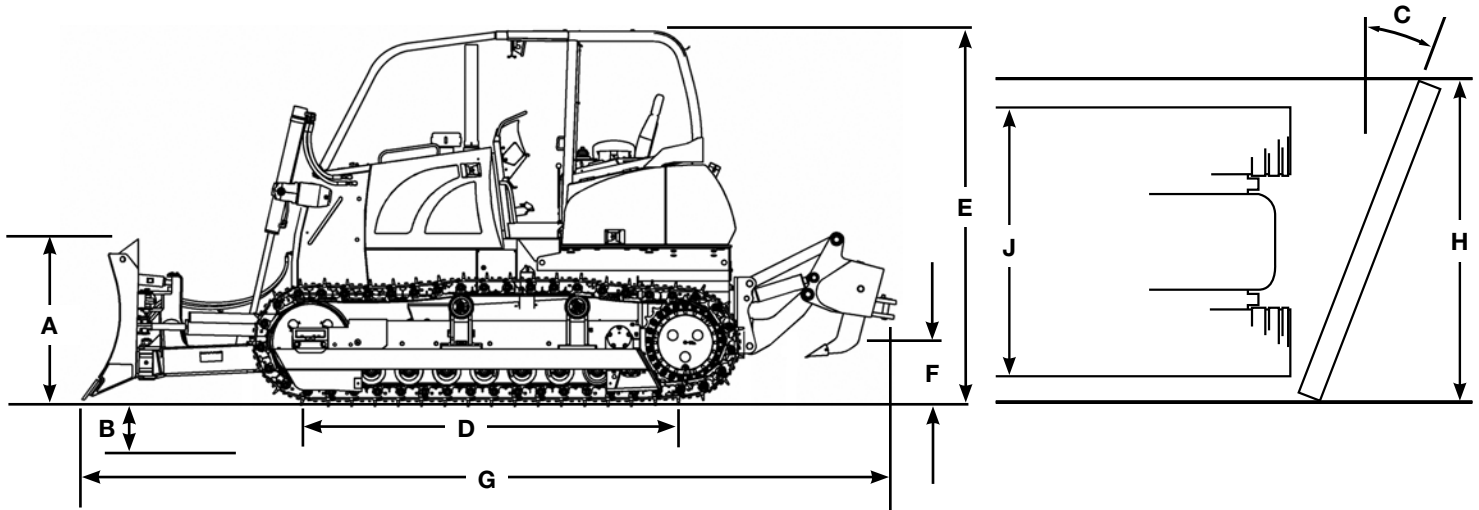
34 in (864 mm) closed grousers and CLT
34 in (864 mm) open grousers and CELT

Blade:

Variable blade pitch	55° – 60°
Lift speed – per second	19.0 in (483 mm)
Cutting edge	Reversible, replaceable
Width	7.9 in (200 mm)
Thickness	0.8 in (20 mm)

Ripper:

Max. penetration	22.4 in (570 mm)
Width	76.9 in (1 953 mm)
Cut width	74.4 in (1 890 mm)
Max. ground clearance	12.6 in (321 mm)
Max. number of shanks	3
Tooth spacing: with 3 teeth	37.2 in (945 mm)
Hydraulic cylinder	Double-acting
Diameter	6.14 in (156 mm)
Stroke	23.5 in (597 mm)
Rod	2.75 in (70 mm)



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

DIMENSIONS

	Extra Long Track (XLT) with Semi U	Extra Long Track (XLT) with PAT	Wide Track (WT) with PAT	Low Ground Pressure (LGP) with PAT
Blade width	131 in (3 322 mm)	130 in (3 302 mm)	156 in (3 962 mm)	156 in (3 962 mm)
SAE blade capacity	6.33 yd ³ (4.84 m ³)	4.28 yd ³ (3.18 m ³)	5.28 yd ³ (4.04 m ³)	5.28 yd ³ (4.04 m ³)
A. Blade height	51.9 in (1 319 mm)	46.3 in (1 176 mm)	46.3 in (1 176 mm)	46.3 in (1 176 mm)
Blade lift above ground	44.6 in (1 133 mm)	44.5 in (1 130 mm)	44.5 in (1 130 mm)	44.5 in (1 130 mm)
B. Blade depth below ground	23.5 in (596 mm)	21.2 in (539 mm)	21.2 in (539 mm)	21.2 in (539 mm)
C. Blade angle both directions	0° +/-	28°	28°	28°
Blade tilt, each end (up to 8.3°)	33.1 in (840 mm)	17.7 in (450 mm)	21.7 in (550 mm)	21.7 in (550 mm)
Track gauge	76 in (1.93 m)	76 in (1.93 m)	86 in (2.18 m)	86 in (2.18 m)
Maximum shoe width	24 in (606 mm)	24 in (610 mm)	32 in (813 mm)	34 in (864 mm)
D. Length of track on ground	120 in (3.05 m)	120 in (3.05 m)	120 in (3.05 m)	120 in (3.05 m)
Area of track on ground	5,767 in ² (3.72 m ²)	5,767 in ² (3.72 m ²)	7676 in ² (4.95 m ²)	8,168 in ² (5.26 m ²)
Ground pressure	6.24 psi (0.43 bar)	6.16 psi (0.43 bar)	5.2 psi (0.35 bar)	4.60 psi (0.32 bar)
E. Height to top of ROPS	9 ft 7 in (2 921 mm)	9 ft 7 in (2 921 mm)	9 ft 7 in (2 921 mm)	9 ft 7 in (2 921 mm)
Height to top of cab	9 ft 7 in (2 921 mm)	9 ft 7 in (2 921 mm)	9 ft 7 in (2 921 mm)	9 ft 7 in (2 921 mm)
F. Ground clearance	12.6 in (320 mm)	12.6 in (320 mm)	12.6 in (320 mm)	12.6 in (320 mm)
Length:				
Blade straight with drawbar	19 ft 5 in (5 928 mm)	18 ft 6 in (5 638 mm)	18 ft 6 in (5 638 mm)	18 ft 6 in (5 638 mm)
G. Blade straight with ripper	22 ft 8 in (6 920 mm)	21 ft 9 in (6 629 mm)	21 ft 9 in (6 629 mm)	21 ft 9 in (6 629 mm)
Width:				
Blade straight	10 ft 9 in (3 277 mm)	10 ft 8 in (3 251 mm)	13 ft 0 in (3 962 mm)	13 ft 0 in (3 962 mm)
H. Blade angled	—	10 ft 1 in (3 073 mm)	11 ft 7 in (3 531 mm)	11 ft 7 in (3 531 mm)
J. Over track	8 ft 4 in (2 540 mm)	8 ft 4 in (2 540 mm)	9 ft 5 in (2 870 mm)	10 ft 0 in (3 048 mm)

NOTE: Ground clearance and overall height dimensions are with the grousers fully penetrated. Add 2.07 in (52.5 mm) if unit is on solid surface.

STANDARD EQUIPMENT

OPERATOR ENVIRONMENT

See page 1

ENGINE

F4HFE6132

Tier 4 Interim Certified

Automatic fan belt tensioner

Integral engine oil cooling

Fuel filter

Dual element radial seal air cleaner

120 amp alternator

(2) 925 CCA 12-volt batteries

Anti-sandblast radiator

Engine side panels

POWERTRAIN

Dual path infinitely variable, single-lever controlled hydrostatic drive, with electronic straight tracking and counter-rotation

Final drive:

Triple reduction; helical gear/planetary decelerator with hydrostatic drive retardation

Automatic spring-applied parking brake

BLADE

55° – 60° variable pitch, with integral adjustment tool

Single lever electro-hydraulic control for blade lift, angle and tilt

UNDERCARRIAGE

Hydraulic track adjusters

Case Lubricated Track Chain

Permanently lubricated track and carrier rollers and idlers

Track adjuster guard

Track guides – front and rear

OTHER

Anti-vandalism package

Backup alarm

Horn

Work lights:

2 front

1 rear

Master disconnect switch

Mirror

Pre-cleaner

Front pull hook

Rear transmission guard

TELEMATICS

CASE SiteWatch™ Telematics – includes hardware and a 3-yr Advanced data subscription

OPTIONAL EQUIPMENT

OPERATOR ENVIRONMENT

Seat belt – 3 in (76 mm)

Cab air quality system

Rear wiper for cab

Radio

HYDRAULICS

4-spool hydraulic valve for field-installed ripper

3-spool hydraulic valve without plugs for field-installed ripper

3-spool hydraulic valve with plugs

REAR MOUNTED EQUIPMENT

Ripper – 3 position with 3 shanks

Rear tow hook

Drawbar

Drawbar with step

BLADES

PAT – 130 in (3 302 mm)

PAT – 156 in (3 974 mm)

Foldable PAT – 156 in (3974 mm)

Semi-U – 131 in (3 322 mm)

GUARDS

CAB canopy brush guard

Center rock guard

SCREENS

Cab rear screen

OTHER

Environmental drains

Case Extended Life Track

Additional work lights

Blade guidance ready – Trimble

Blade guidance ready – Leica

Blade guidance ready – Topcon

Rearview mirror

Cold start aid – grid heater:
with dual 12-volt battery



NOTE: All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

NOTE: All engines meet current EPA emissions requirements.

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