

**PRELIMINARY****ENGINE**

|                                    |                                            |
|------------------------------------|--------------------------------------------|
| Model                              | Case F4HFE6132<br>Tier 4 Interim Certified |
| Cylinders                          | 6                                          |
| Displacement                       | 409 in <sup>3</sup> (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                  | 2000                                       |
| 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<br>w/ pressurized<br>under-piston nozzles |
| Pump operating angle ratings: |                                                                  |
| Side-to-side                  | 45°                                                              |
| Fore and aft                  | 35°                                                              |
| Oil filtration                | Replaceable, spin-on<br>full flow cartridge                      |
| Radiator:                     |                                                                  |
| Core size area                | 512 in <sup>2</sup> (0.33 m <sup>2</sup> )                       |
| Rows of tubes                 | 2                                                                |
| Fan:                          |                                                                  |
| Type                          | Variable speed/<br>Auto reversing/Hydraulic driven               |
| Diameter                      | 26.1 in (662 mm)                                                 |
| Ratio                         | 1.1:1                                                            |

**POWERTRAIN**

|                        |                                                                |
|------------------------|----------------------------------------------------------------|
| 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<br>electronic straight tracking           |
| Oil filter             | 4-micron at beta 75, replaceable<br>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,<br>hydraulic pressure release      |
| Steering brakes        | Hydrostatic                                                    |
| Final drive            | 2 helical gear<br>reduction to planetary output                |
| Ratio                  | 61.4:1                                                         |

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

**POWERTRAIN (cont.)**

|                       |                                            |
|-----------------------|--------------------------------------------|
| Transmission cooling: |                                            |
| Type                  | Oil to air                                 |
| Core size             | 484 in <sup>2</sup> (0.31 m <sup>2</sup> ) |

**ELECTRICAL**

|            |                                                                        |
|------------|------------------------------------------------------------------------|
| Alternator | 120 amp                                                                |
| Batteries  | 2 x 12-volt, low-maintenance<br>925 cold-cranking amps @ 0° F (-18° C) |

**OPERATOR ENVIRONMENT**

Fully enclosed cab; Vinyl suspension seat w/ back adjustment; Retractable 2 in (51 mm) seat belt; Adjustable armrests; Foot rests; Tool storage; Headliner; Floor mat; Seats tilt for access.

**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.

**Audible warnings:**

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

**OPERATING WEIGHT**

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

|                     |                       |
|---------------------|-----------------------|
| Extra long track    | 37,500 lb (17 007 kg) |
| Wide track          | 38,400 lb (17 415 kg) |
| Low ground pressure | 39,300 lb (17 823 kg) |

**Add-on weights:**

|                  |                    |
|------------------|--------------------|
| Drawbar          | 146 lb (66 kg)     |
| Ripper – 3 shank | 2,988 lb (1355 kg) |
| Winch            | 5,513 lb (2500 kg) |
| Cab              | 1,710 lb (776 kg)  |

**CELT chain – per track:**

|                |                    |
|----------------|--------------------|
| 22 in (559 mm) | 3,170 lb (1438 kg) |
| 24 in (610 mm) | 3,307 lb (1500 kg) |
| 28 in (711 mm) | 3,613 lb (1639 kg) |
| 32 in (813 mm) | 3,911 lb (1774 kg) |
| 34 in (864 mm) | 4,059 lb (1841 kg) |

|                   |                 |
|-------------------|-----------------|
| Center rock guard | 571 lb (259 kg) |
| Sweeps            | 139 lb (63 kg)  |
| Dual batteries    | 174 lb (79 kg)  |

**HYDRAULICS**

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

|               |                     |
|---------------|---------------------|
| Lift cylinder | Two (2)             |
| Bore diameter | 4.50 in (114.3 mm)  |
| Rod diameter  | 2.50 in (63.5 mm)   |
| Stroke        | 16.88 in (428.0 mm) |

|                |                     |
|----------------|---------------------|
| Angle cylinder | Two (2)             |
| Bore diameter  | 4.50 in (114.0 mm)  |
| Rod diameter   | 2.50 in (63.5 mm)   |
| Stroke         | 19.79 in (502.7 mm) |

|               |                    |
|---------------|--------------------|
| Tilt cylinder | One (1)            |
| Bore diameter | 5.00 in (127.0 mm) |
| Rod diameter  | 2.50 in (63.5 mm)  |
| Stroke        | 5.84 in (148.3 mm) |

**SERVICE CAPACITY**

|                        |                    |
|------------------------|--------------------|
| 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<br>equalizer beam suspension |

|                           |                   |
|---------------------------|-------------------|
| Length of track on ground | 120.1 in (3.05 m) |
|---------------------------|-------------------|

|                   |                 |
|-------------------|-----------------|
| Track link pitch: |                 |
| CLT track         | 7.5 in (190 mm) |
| CELT track        | 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: |    |
| CLT track             | 45 |
| CELT track            | 45 |

|                        |   |
|------------------------|---|
| Track rollers per side | 8 |
|------------------------|---|

|                          |   |
|--------------------------|---|
| Carrier rollers per side | 2 |
|--------------------------|---|

|                            |                  |
|----------------------------|------------------|
| Track roller rail diameter | 7.99 in (203 mm) |
|----------------------------|------------------|

**Track on ground:**

|                |                                                 |
|----------------|-------------------------------------------------|
| Shoe area:     |                                                 |
| 22 in (559 mm) | 5,284 in <sup>2</sup> (34 093 cm <sup>2</sup> ) |
| 24 in (610 mm) | 5,767 in <sup>2</sup> (37 204 cm <sup>2</sup> ) |
| 28 in (711 mm) | 6,721 in <sup>2</sup> (43 027 cm <sup>2</sup> ) |
| 32 in (813 mm) | 7,676 in <sup>2</sup> (49 524 cm <sup>2</sup> ) |
| 34 in (864 mm) | 8,168 in <sup>2</sup> (52 695 cm <sup>2</sup> ) |

## OTHER SPECIFICATIONS (cont.)

### 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

#### Wide 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  
 28 in (711 mm) closed grousers and CLT  
 28 in (711 mm) open grousers and CELT

### Track (continued):

#### Low ground pressure:

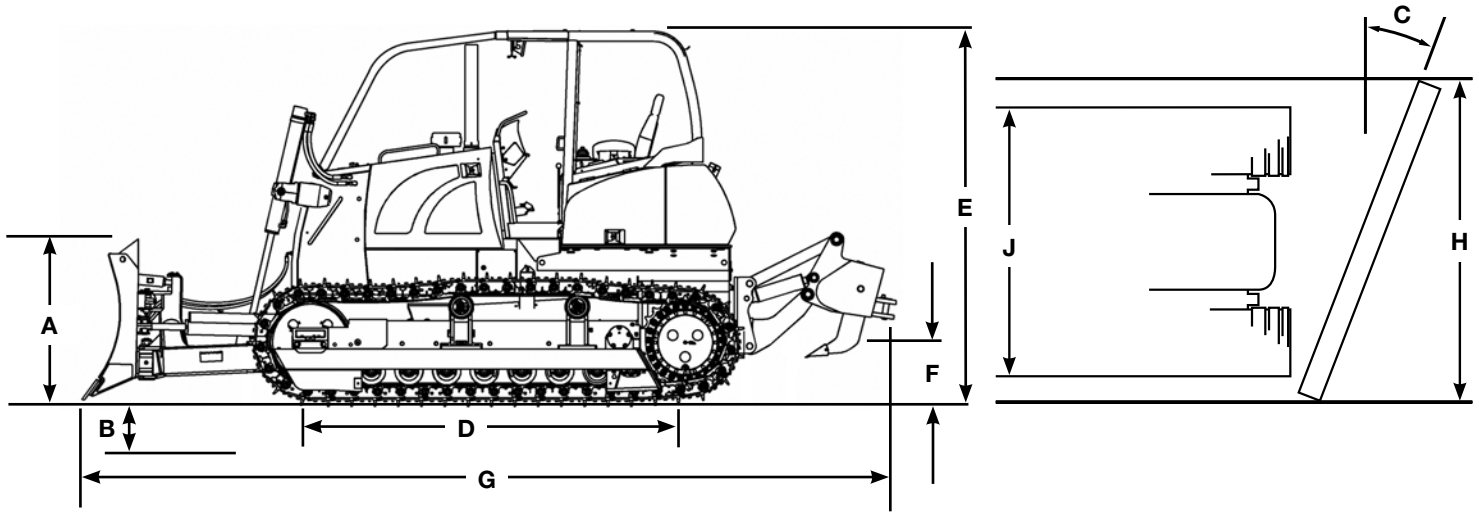
32 in (813 mm) closed grousers and CLT  
 32 in (813 mm) open grousers and CELT  
 34 in (864 mm) closed grousers and CLT  
 34 in (864 mm) open grousers and CELT

### Blade:

Variable blade pitch 55° +/- 5°  
 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 (1953 mm)  
 Cut width 74.4 in (1890 mm)  
 Max. ground clearance 23.3 in (592 mm)  
 Max. number of shanks 3  
 Tooth spacing:  
   w/ 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)                       | Wide Track (WT)                              | Low Ground Pressure (LGP)                    |
|---------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|
| Blade width                           | 130 in (3302 mm)                             | 156 in (3974 mm)                             | 156 in (3974 mm)                             |
| SAE blade capacity                    | 4.28 yd <sup>3</sup> (3.18 m <sup>3</sup> )  | 5.22 yd <sup>3</sup> (3.99 m <sup>3</sup> )  | 5.22 yd <sup>3</sup> (3.99 m <sup>3</sup> )  |
| <b>A.</b> Blade height                | 46.0 in (3302 mm)                            | 46.0 in (3974 mm)                            | 46.0 in (3974 mm)                            |
| Blade lift above ground               | 44.5 in (1130 mm)                            | 44.5 in (1130 mm)                            | 44.5 in (1130 mm)                            |
| <b>B.</b> Blade depth below ground    | 21.2 in (539 mm)                             | 23.2 in (590 mm)                             | 23.2 in (590 mm)                             |
| <b>C.</b> Blade angle both directions | 28°                                          | 28°                                          | 28°                                          |
| Blade tilt, each end (up to 8.3°)     | 17.7 in (450 mm)                             | 21.7 in (550 mm)                             | 21.7 in (550 mm)                             |
| Track gauge                           | 76 in (1.93 m)                               | 86 in (2.18 m)                               | 86 in (2.18 m)                               |
| Maximum shoe width                    | 24 in (610 mm)                               | 28 in (711 mm)                               | 34 in (864 mm)                               |
| <b>D.</b> Length of track on ground   | 120 in (3.05 m)                              | 120 in (3.05 m)                              | 120 in (3.05 m)                              |
| Area of track on ground               | 5,767 in <sup>2</sup> (3.72 m <sup>2</sup> ) | 6,721 in <sup>2</sup> (4.30 m <sup>2</sup> ) | 8,168 in <sup>2</sup> (5.26 m <sup>2</sup> ) |
| Ground pressure                       | 6.16 psi (0.43 bar)                          | 5.54 psi (0.38 bar)                          | 4.60 psi (0.32 bar)                          |
| <b>E.</b> Height to top of ROPS       | 9 ft 9 in (2972 mm)                          | 9 ft 9 in (2972 mm)                          | 9 ft 9 in (2972 mm)                          |
| Height to top of cab                  | 9 ft 9 in (2972 mm)                          | 9 ft 9 in (2972 mm)                          | 9 ft 9 in (2972 mm)                          |
| <b>F.</b> Ground clearance            | 13.0 in (330.5 mm)                           | 13.5 in (344 mm)                             | 13.5 in (344 mm)                             |
| Length:                               |                                              |                                              |                                              |
| Blade straight with drawbar           | 18 ft 7 in (5664 mm)                         | 18 ft 7 in (5664 mm)                         | 18 ft 7 in (5664 mm)                         |
| <b>G.</b> Blade straight with ripper  | 21 ft 9 in (6629 mm)                         | 21 ft 9 in (6629 mm)                         | 21 ft 9 in (6629 mm)                         |
| Width:                                |                                              |                                              |                                              |
| Blade straight                        | 10 ft 6 in (3200 mm)                         | 13 ft 0 in (3970 mm)                         | 13 ft 0 in (3970 mm)                         |
| <b>H.</b> Blade angled                | 9 ft 2 in (2794 mm)                          | 11 ft 7 in (3531 mm)                         | 11 ft 7 in (3531 mm)                         |
| <b>J.</b> Over track                  | 8 ft 2 in (2480 mm)                          | 9 ft 10 in (2990 mm)                         | 9 ft 10 in (2990 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

50° – 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

## OPTIONAL EQUIPMENT

### OPERATOR ENVIRONMENT

Seat belt – 3 in (76 mm)

Deluxe air suspension seat

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

Hydraulic pump with PTO

Rear tow hook

Drawbar

Drawbar with step

### BLADES

PAT – 130 in (3302 mm)

PAT – 156 in (3974 mm)

Foldable PAT – 156 in (3974 mm)

Semi-U – 131 in (3322 mm)

### GUARDS

CAB canopy brush guard

Center rock guard

### SCREENS

Cab rear screen

### OTHER

Environmental drains

Case Extended Life Track

Grid heater

Additional work lights

Blade guidance ready - Trimble

Blade guidance ready - Leica

Blade guidance ready - Topcon

Rearview mirror



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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