

PRELIMINARY

ENGINE

Model	Case 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	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 w/ pressurized under-piston nozzles
------	--

Pump operating angle ratings:

Side-to-side	45°
Fore and aft	35°
Oil filtration	Replaceable, spin-on full flow cartridge

Radiator:

Core size area	512 in ² (0.33 m ²)
Rows of tubes	2

Fan:

Type	Variable speed/ 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 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	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 ² (0.31 m ²)

ELECTRICAL

Alternator	120 amp
Batteries	2 x 12-volt, low-maintenance 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 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 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)

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:

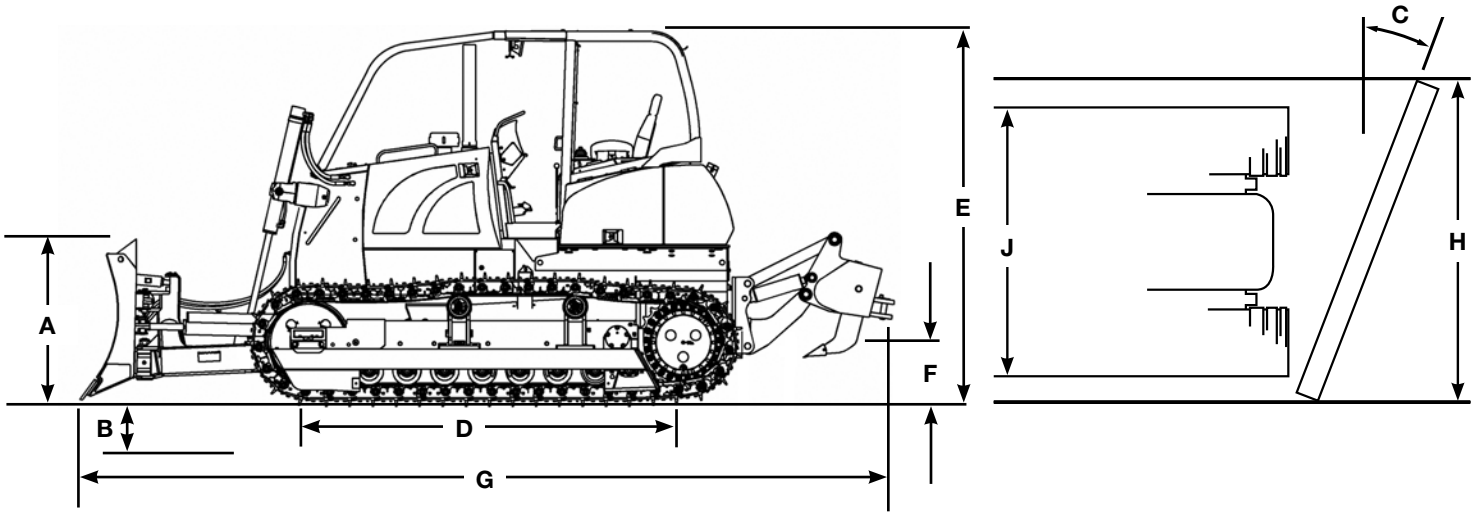
32 in (813 mm) closed grousers and CLT
 32 in (813 mm) open grousers and CELT
 34 in (864 mm) closed grousers and CLT
 34 in (864 mm) open grousers and CELT

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 ³ (3.18 m ³)	5.22 yd ³ (3.99 m ³)	5.22 yd ³ (3.99 m ³)
A. 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. Blade depth below ground	21.2 in (539 mm)	23.2 in (590 mm)	23.2 in (590 mm)
C. 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)
D. 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 ² (3.72 m ²)	6,721 in ² (4.30 m ²)	8,168 in ² (5.26 m ²)
Ground pressure	6.16 psi (0.43 bar)	5.54 psi (0.38 bar)	4.60 psi (0.32 bar)
E. 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)
F. 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)
G. 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)
H. Blade angled	9 ft 2 in (2794 mm)	11 ft 7 in (3531 mm)	11 ft 7 in (3531 mm)
J. 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.

IMPORTANT: Case Construction Equipment Inc. reserves the right to change these specifications without notice and without incurring any obligation relating to such change. Case Construction Equipment Inc. does not warrant the safety or reliability of attachments from other manufacturers.

Case is a registered trademark of CNH America LLC. 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.

Form No. CCE2013101650MPrelim
Replaces form no. CCE2013081650MPrelim

Printed in U.S.A.
1650M • Page 3 of 3



All Case construction equipment is biodiesel ready.



www.casece.com

© 2013 CNH America LLC
All Rights Reserved