

ENGINE

Model	Case F5C, Tier 4 Interim Emissions Certified
Type	Diesel 4-stroke, turbocharged
Cylinders	4
Bore/Stroke	3.90 x 4.33 in (99 x 110 mm)
Displacement	207 in ³ (3.4 L)
Fuel injection	Direct high pressure common rail – HPCR
Fuel	Diesel
Fuel filter	w/ water trap
Air intake	Cross-flow
Cooling	Liquid
Engine speeds*	RPM
Rated speed – full load	2200
Low idle	900 – 1000
High idle – no load	2330 – 2430
Horsepower @ 2200 RPM:	
Gross	97 hp (72 kW)
Net	95 hp (71 kW)
Maximum torque @ 1400 RPM:	
Gross	334 lb-ft (453 N-m)
Net	333 lb-ft (452 N-m)
Torque rise at rated speed	45%
Radiator:	
Core type	Square wave
Core size area	486 in ² (3145 cm ²)
Rows of tubes	4
Viscous fan:	
Style	9 blade viscous suction
Diameter	19.6 in (500 mm)
Ratio	1.4:1
Water pump style	Integral
Engine oil pump:	
Deep sump plate cooler w/ pressurized under-piston nozzles	
Pump operating angle ratings:	
Side to side	Rated 35°
Fore and aft	Rated 35°
Oil filtration	Replaceable, full flow cartridge

NOTE: *Engine speeds w/ standard transmission.
Meets federal emission regulations.

POWERTRAIN

Transmission – optional:	
4F-4R Power Shuttle Synchronesh transmission manual gear shift fully synchronized	
Transmission – standard:	
Powershift S-Type, 4F-3R fully synchronized	

POWERTRAIN (cont.)

Specifications below apply to both Power Shuttle and Powershift S-Type transmission unless otherwise indicated.

Gear ratios	Forward / Reverse
1st	5.603 / 4.643
2nd	3.431 / 2.884
3rd	1.584 / 1.313
4th	0.793 / 0.657*

Travel speeds	Forward mph (kph)	Reverse mph (kph)
1st	3.9 (6.3)	4.7 (7.6)
2nd	6.2 (10.0)	7.5 (12.0)
3rd	13.3 (21.4)	16.0 (24.9)
4th	24.1 (38.8)	28.9 (46.6)*

NOTE: Travel speeds at 2295 engine RPM
w/ 19.5 L x 24.0 tires.
*4R not available on Powershift S-Type.

Transmission – optional:
Powershift H-Type, 4F-3R hydraulic clutch
shifting w/ auto function

Gear ratios	Forward / Reverse
1st	5.533 / 4.549
2nd	3.359 / 2.762
3rd	1.533 / 1.260
4th	0.811 / —

Travel speeds	Forward mph (kph)	Reverse mph (kph)
1st	3.9 (6.2)	4.7 (7.6)
2nd	6.4 (10.3)	7.7 (12.4)
3rd	13.6 (21.9)	16.3 (26.3)
4th	23.0 (37.0)	—

NOTE: Travel speeds at 2295 engine RPM
w/ 21.0 L X 24.0 tires.

Torque converter ratio 2.6

Limited slip differential – 4WD

Front 4WD/rear axle:	
Differential ratio	2.3/2.5
Planetary hub ratio	6.0/6.4
Total reduction ratio	13.7/16.0

Service brakes:
Individually applied, power assisted,
hydraulically actuated, maintenance-free,
self-adjusting, outboard mounted, wet disc,
2 per side.

Disc area 384 in² (0.25 m²)

Parking brakes Trans Mounted
spring-applied
hydraulic release – SAHR

ELECTRICAL

Voltage	12 Volts, negative ground
Alternator	120 amp
Battery	850 cold-cranking amps
Opt. batteries (2)	850 cold-cranking amps
Power plugs (2)	30 amps total

OPERATOR ENVIRONMENT

ROPS/FOPS certified protective canopy; Key start; Hydrostatic steering; Vinyl air suspension seat w/ 180° swivel; Seat turn around; Electronic hand and foot throttles; Ergonomic loader control lever w/ push-button activation of differential lock and transmission de-clutch; Backhoe pilot controls; 2 Accessory power plugs – 30 amp; Anti-vandalism covers – canopy only; Cup holder; Coat hook w/ tether strap – cab only; Interior rearview mirror; 3 in (76 mm) retractable seat belt; Storage compartment w/ lid; Left-side storage tray; 900 lb (408 kg) counterweight; Extendahoe®; 4WD.

Vehicle Control Module w/ menu driven options and onboard diagnostics:

Foot throttle sensitivity; Cold weather idle settings; Maintenance settings.

Gauges:

Engine water temperature; Converter oil temperature; Fuel; Tachometer/hourmeter; Voltmeter.

Warning lights:

Air cleaner restriction; Alternator; A/C high pressure; Cold start; Engine oil pressure; Hydraulic oil filter bypass; Parking brake; Rear axle fluid temperature sensing system; Low fuel.

Audible alarms w/ diagnostics:

Coolant temperature; Engine oil pressure; Parking brake engagement; Shuttle engagement/seat position; Backup alarm.

Horn dual switched front and rear

OPERATING WEIGHT

Configuration – SAE Transport:

93 in (2.36 m) bucket, PST, 4WD, 21.0 L x 24.0 rear tires, Extendahoe®, 24 HD bucket, flip stabilizer pads, 2-Door ROPS cab, air suspension seat, dual battery, backhoe coupler, auxiliary backhoe hydraulics, comfort steer, no operator:

19,985 lb (9065 kg)

Add-on weights:

Cab – over canopy 0 lb (0 kg)

93 in (2.36 m) Long Lip Bucket:
1,188 lb (539 kg)

24 in (0.61 m) HD Universal:
427 lb (193.5 kg)

HYDRAULICS

Pump:
Bosch Rexroth Series 31 Variable
Displacement Axial Piston Pump

Main relief pressure:
Standard 3,450 +/- 50 psi
(238 +/- 3.5 bar)
Power Lift 3,780 +/- 50 psi
(261 +/- 3.5 bar)

Filtration:
7 micron, full flow replaceable cartridge on
return line, condition indicator light for filter

Oil cooler Heavy-duty

Loader flow @ rated engine RPM:
41 gpm @ 2,340 psi
(155.2 L/min @ 161 bar)

Loader control valve w/ pilot or manual backhoe
controls:

Two or three spool closed center sectional
control valve. Single lever manual control for
lift and tilt functions. The three spool valve
uses a proportional Electro-Hydraulic control
for the auxiliary function. The lift lever has a
positive hold "Float" position and a "return
to-dig" feature.

Loader auxiliary hydraulics w/ proportional
thumb switch w/ detent on loader
control handle:

0 to 31.5 gpm (0 to 119 L/min)

Backhoe flow @ rated engine RPM:
41 gpm @ 3,100 psi
(155.2 L/min @ 214 bar)

Manual backhoe control valve:
Six or seven monoblock open center control
valve. Features "Pro-Control" which includes
custom designed spools for each individual
function along w/ "swing cushioning" valve
for zero-wag swing control. Basic control
valve has an open center parallel circuit
for all functions.

Pilot backhoe control valve:
Six, seven, or eight spool sectional closed
center control valve. Features "Pro-Control"
which includes custom designed spools
for each individual function along
w/ "swing cushioning" valve for zero-wag
swing control. Basic control valve is closed
center, w/ circuits in parallel w/ a post-
compensated, flow sharing feature for
simultaneous operation of all circuits.

Unidirectional auxiliary hydraulics:

Unidirectional hydraulic valve is equipped w/
adjustable LS relief valve to control attachment
pressure and a 6 position flow control selector
for 6 detented, distinct flow settings.

Actuation:

Manual backhoe controls – cab floor pedal
Pilot controls – left-hand joystick

SERVICE CAPACITY

Fuel tank 42.0 gal (159.0 L)

Hydraulic system total 132.0 qt (124.9 L)

Transmission – total system:
4WD Standard 21.0 qt (19.4 L)
4WD Powershift S-Type 22.0 qt (20.7 L)
4WD Powershift H-Type 19.0 qt (18.0 L)

Front axle:
4WD Differential 9.1 qt (8.6 L)
4WD Planetaries 1.1 qt (1.0 L)

Rear axle:
Differential 19.7 qt (18.6 L)

Engine oil w/ filter 14.4 qt (13.6 L)

Cooling system:
w/ heater 19.0 qt (18.0 L)
w/o heater 18.3 qt (17.3 L)

Window washer reservoir 3.0 qt (2.8 L)

OTHER SPECIFICATIONS

Front tires – 4WD 12.5/80 x 18.0, 10-ply rating

Rear tires – 4WD 21.0 L x 24.0, 10-ply rating

Loader:
Single-lever control for lift and tilt; Positive
hold float; Return-to-dig; Automatic self-
leveling; In line, reverse linkage; Dual parallel
dump cylinders; Clutch disconnect button
on loader control and shift levers; Bucket
position indicator.

Loader bucket sizes:

Width	Weight	Struck	Heaped
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Long Lip Bucket w/ bolt on edge

93 in (2.36 m)	1,123 lb (509 kg)	1.1 yd ³ (0.84 m ³)	1.30 yd ³ (0.99 m ³)
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4 IN 1® Bucket w/ bolt on edge

93 in (2.36 m)	1,628 lb (738 kg)	1.0 yd ³ (0.76 m ³)	1.2 yd ³ (0.92 m ³)
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Turning diameter*:

4WD – engaged:
Brakes on 12 ft 0 in (3.65 m)
Brakes off 14 ft 11 in (4.54 m)

4WD – disengaged:
Brakes on 11 ft 3 in (3.43 m)
Brakes off 13 ft 6 in (4.11 m)

NOTE: *Turning diameter dimensions curb to curb
w/ 21.0 L x 24.0 tires and 93 in (2.36 m)
general purpose bucket.

OTHER SPECIFICATIONS (cont.)

Backhoe:
Over center design, Fabricated "S" boom";
Pro-Control System; Dipperstick integrated
serrated grip teeth; 17,940 lb-ft (24 370 N-m)
swing torque; Case attachment coupler;
Foot-swing w/ 3 lever controls; Wing
stabilizers w/ cleated dirt pad.

Backhoe bucket sizes:

Width	Weight	Heaped
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Universal Buckets

12 in (305 mm)	295 lb (134 kg)	3.40 ft ³ (0.10 m ³)
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18 in (457 mm)	356 lb (162 kg)	5.30 ft ³ (0.15 m ³)
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24 in (610 mm)	427 lb (194 kg)	7.70 ft ³ (0.22 m ³)
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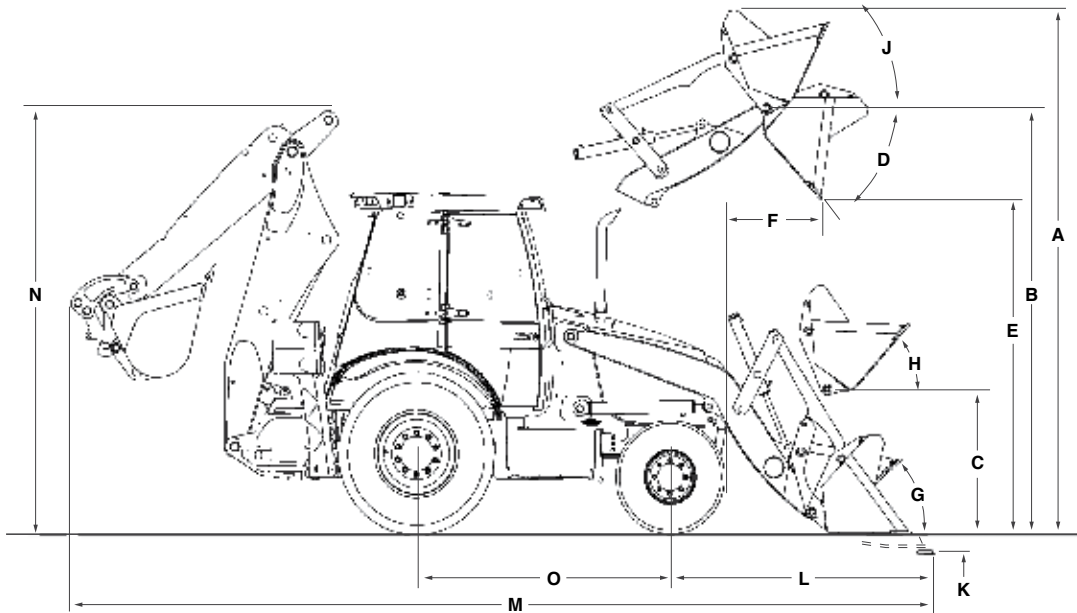
30 in (762 mm)	489 lb (222 kg)	10.20 ft ³ (0.29 m ³)
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36 in (914 mm)	552 lb (251 kg)	12.70 ft ³ (0.36 m ³)
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High Capacity Buckets

24 in (610 mm)	447 lb (203 kg)	8.50 ft ³ (0.24 m ³)
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30 in (762 mm)	502 lb (228 kg)	10.60 ft ³ (0.30 m ³)
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Line drawings are for illustrative purpose only and may not be exact representation of unit.

LOADER DIMENSIONS

	Long Lip Bucket	4 IN 1® Bucket
A. Overall operating height – fully raised	13 ft 11 in (4.24 m)	13 ft 10 in (4.22 m)
Height to:		
B. Bucket hinge pin fully raised	11 ft 6 in (3.50 m)	11 ft 6 in (3.50 m)
C. Bucket hinge pin at SAE carry	12.75 in (324 mm)	12.75 in (324 mm)
D. Dump angle at full height	45°	45°
E. Dump clearance at full height, 43° dump:		
Bucket	8 ft 11 in (2.73 m)	9 ft 1 in (2.77 m)
Clam open	—	9 ft 11 in (3.01 m)
F. Dump reach at full height, 45° dump – from bumper:		
Bucket	27.0 in (685 mm)	27.0 in (685 mm)
Clam open	—	13.9 in (353 mm)
Bucket rollback:		
G. @ Groundline	40°	41°
H. @ SAE carry	46°	46°
J. @ Full height	Adjustable	Adjustable
K. Digging depth below grade:		
Bucket flat	6.1 in (156 mm)	5.9 in (151 mm)
Clam open – dozing	—	3.5 in (88 mm)
L. Reach from front axle centerline – bucket on ground	6 ft 8 in (2.05 m)	6 ft 1 in (1.99 m)
Lift capacity to full height – calculated values	8,425 lb (3822 kg)	8,025 lb (3640 kg)
Breakout force:		
Lift cylinders	11,450 lb (5093 daN)	11,241 lb (5000 daN)
Dump cylinders	10,873 lb (4837 daN)	11,674 lb (5193 daN)
Bucket cutting edge width	94.2 in (2.39 m)	93.0 in (2.36 m)
Maximum grading angle	106°	106°
Maximum clam opening	—	38.3 in (972 mm)
Moldboard height	—	36.8 in (934 mm)
Raising time to full height	3.7 sec	3.7 sec
Bucket dumping time	2.0 sec	2.0 sec
Lowering time:		
Power down	2.5 sec	2.5 sec
Return-to-dig – manual controls/pilot controls	3.6 sec	3.0 sec
Clam:		
Open time	—	1.3 sec
Close time	—	1.1 sec

NOTE: Loader dimensions taken with 4WD, 21.0 L x 24.0 rear tires.

DIMENSIONS

	Standard Backhoe		Extendahoe®	
			Retracted	Extended
M. Overall transport length:				
Long Lip bucket	23 ft 4 in (7.11 m)		23 ft 4 in (7.11 m)	—
4 IN 1® bucket	23 ft 1 in (7.04 m)		23 ft 1 in (7.04 m)	—
Overall transport width	8 ft 6 in (2.59 m)		8 ft 6 in (2.59 m)	—
Height – 4WD with 21.0 L x 24.0 tires:				
To top of canopy	8 ft 11 in (2.70 m)		8 ft 11 in (2.70 m)	8 ft 11 in (2.70 m)
To top of cab	8 ft 11 in (2.73 m)		8 ft 11 in (2.73 m)	8 ft 11 in (2.73 m)
To top of exhaust stack	8 ft 9 in (2.67 m)		8 ft 9 in (2.67 m)	8 ft 9 in (2.67 m)
N. Transport	11 ft 1 in (3.37 m)		11 ft 7 in (3.53 m)	—
Ground clearance at backhoe frame	14.8 in (377 mm)		14.8 in (377 mm)	14.8 in (377 mm)
Angle of departure	18.6°		18.6°	18.6°
Wheel tread:				
12.5/80 x 18.0	75.6 in (1.92 m)		75.6 in (1.92 m)	75.6 in (1.92 m)
21.0 L x 24.0	69.6 in (1.77 m)		69.6 in (1.77 m)	69.6 in (1.77 m)
Width across tires:				
12.5/80 x 18.0	88.2 in (2.24 m)		88.2 in (2.24 m)	88.2 in (2.24 m)
21.0 L x 24.0	91.8 in (2.33 m)		91.8 in (2.33 m)	91.8 in (2.33 m)
O. Wheelbase:				
21.0 L x 24.0	84.5 in (2.15 m)		84.5 in (2.15 m)	84.5 in (2.15 m)

CYLINDERS

	Bore Diameter	Rod Diameter	Stroke	Closed Length
Loader:				
Lift (2)	3.50 in (88.9 mm)	1.88 in (47.6 mm)	29.13 in (740.0 mm)	41.54 in (1055.0 mm)
Bucket (2)	3.00 in (76.2 mm)	1.50 in (38.1 mm)	20.33 in (516.5 mm)	29.90 in (759.5 mm)
4 IN 1® clam (2)	3.00 in (76.2 mm)	1.75 in (44.5 mm)	9.08 in (230.6 mm)	19.62 in (498.3 mm)
Backhoe:				
Boom	5.00 in (127 mm)	2.50 in (63.5 mm)	38.25 in (971.6 mm)	52.82 in (1341.6 mm)
Dipperstick	4.75 in (120.7 mm)	2.50 in (63.5 mm)	25.14 in (628.5 mm)	39.65 in (1007.0 mm)
Bucket	3.50 in (88.9 mm)	2.50 in (63.5 mm)	35.35 in (897.9 mm)	48.17 in (1223.6 mm)
Extendahoe®	3.00 in (76.2 mm)	1.75 in (44.5 mm)	42.05 in (1068.0 mm)	56.22 in (1428.0 mm)
Swing (2)	4.00 in (101.6 mm)	2.00 in (50.8 mm)	11.50 in (292.0 mm)	24.44 in (620.8 mm)
Stabilizer (2)	5.25 in (133.4 mm)	2.50 in (63.5 mm)	20.40 in (518.1 mm)	33.57 in (852.7 mm)

AXLE RATINGS

	Front – 4WD	Rear
Maximum static	67,883 lb (30 791 kg)	70,848 lb (32 136 kg)
Dynamic operating	47,426 lb (21 512 kg)	49,494 lb (22 450 kg)
Static operating	18,969 lb (8604 kg)	19,798 lb (8980 kg)
SAE J43	11,773 lb (5340 kg)	15,197 lb (6893 kg)

BACKHOE LIFT CAPACITIES

	Standard Backhoe		Extendahoe®			
	Standard	Power Lift	Retracted		Extended	
			Standard	Power Lift	Standard	Power Lift
Boom Lift	Lift Capacity lb (kg)	Lift Capacity lb (kg)	Lift Capacity lb (kg)	Lift Capacity lb (kg)	Lift Capacity lb (kg)	Lift Capacity lb (kg)
+16 ft (4.87 m)	—	—	—	—	2,115 (959)	2,447 (1110)
+14 ft (4.27 m)	3,039 (1378)	3,484 (1580)	2,837 (1287)	3,282 (1489)	2,395 (1086)	2,769 (1256)
+12 ft (3.66 m)	3,413 (1548)	3,913 (1775)	3,201 (1452)	3,701 (1679)	2,536 (1151)	2,935 (1331)
+10 ft (3.05 m)	3,499 (1587)	4,015 (1821)	3,281 (1488)	3,797 (1722)	2,593 (1176)	3,001 (1361)
+8 ft (2.44 m)	3,485 (1581)	4,005 (1817)	3,263 (1480)	3,783 (1716)	2,564 (1163)	2,972 (1348)
+6 ft (1.83 m)	3,438 (1559)	3,957 (1795)	3,213 (1457)	3,732 (1693)	2,549 (1156)	2,961 (1343)
+4 ft (1.22 m)	3,374 (1530)	3,890 (1764)	3,146 (1427)	3,662 (1661)	2,521 (1144)	2,935 (1331)
+2 ft (0.61 m)	3,307 (1500)	3,820 (1733)	3,077 (1396)	3,590 (1628)	2,489 (1129)	2,904 (1317)
Ground Level	3,251 (1475)	3,761 (1706)	3,018 (1369)	3,528 (1600)	2,489 (1129)	2,904 (1317)
-2 ft (0.61 m)	3,201 (1452)	3,710 (1683)	2,965 (1345)	3,474 (1576)	2,466 (1118)	2,882 (1307)
-4 ft (1.22 m)	3,175 (1440)	3,686 (1672)	2,935 (1331)	3,446 (1563)	2,446 (1109)	2,866 (1300)
-6 ft (1.83 m)	3,182 (1443)	3,699 (1678)	2,938 (1333)	3,455 (1567)	2,443 (1108)	2,869 (1301)
-8 ft (2.44 m)	3,258 (1478)	3,792 (1720)	3,007 (1364)	3,541 (1606)	2,465 (1118)	2,899 (1315)
-10 ft (3.05 m)	3,441 (1561)	3,951 (1792)	3,175 (1440)	3,685 (1671)	2,530 (1148)	2,979 (1351)
-12 ft (3.66 m)	—	—	—	—	2,707 (1228)	3,187 (1446)
-14 ft (4.27 m)	—	—	—	—	3,239 (1469)	3,759 (1705)
Dipper Lift:						
+14 ft (4.27 m)	—	—	—	—	4,281 (1942)	4,281 (1942)
+12 ft (3.66 m)	5,822 (2641)	5,822 (2641)	5,618 (2548)	5,618 (2548)	4,046 (1835)	4,046 (1835)
+10 ft (3.05 m)	5,600 (2540)	5,600 (2540)	5,399 (2449)	5,399 (2449)	3,984 (1807)	3,984 (1807)
+8 ft (2.44 m)	5,562 (2523)	5,562 (2523)	5,360 (2431)	5,360 (2431)	3,913 (1775)	3,913 (1775)
+6 ft (1.83 m)	6,236 (2829)	6,236 (2829)	6,030 (2735)	6,030 (2735)	4,166 (1889)	4,166 (1889)
+4 ft (1.22 m)	7,424 (3368)	7,424 (3368)	7,203 (3267)	7,203 (3267)	4,102 (1861)	4,102 (1861)
+2 ft (0.61 m)	—	—	—	—	4,850 (2200)	4,850 (2200)

NOTE: Boom and Dipper Lift Capacities are rated per SAE J31 and are 87% of the maximum hydraulic lift force available with the specified options.

BACKHOE OPERATIONAL DATA

	Standard Backhoe	Extendahoe®	
		Retracted	Extended
Digging depth:			
Maximum	14 ft 6 in (4.43 m)	14 ft 6 in (4.43 m)	18 ft 0 in (5.48 m)
Maximum with hi-capacity bucket	15 ft 1 in (4.59 m)	15 ft 1 in (4.59 m)	18 ft 6 in (5.64 m)
2 ft (610 mm) flat bottom	14 ft 5 in (4.39 m)	14 ft 5 in (4.39 m)	17 ft 11 in (5.45 m)
8 ft (2.44 m) flat bottom	13 ft 5 in (4.09 m)	13 ft 5 in (4.09 m)	17 ft 1 in (5.22 m)
Overall reach from:			
Rear axle centerline	21 ft 11 in (6.68 m)	21 ft 11 in (6.68 m)	25 ft 4 in (7.71 m)
Swing pivot	18 ft 3 in (5.56 m)	18 ft 3 in (5.56 m)	21 ft 8 in (6.60 m)
Loading height	12 ft 0 in (3.66 m)	12 ft 0 in (3.66 m)	14 ft 4 in (4.38 m)
Loading reach	4 ft 8 in (1.42 m)	4 ft 8 in (1.42 m)	7 ft 3 in (2.22 m)
Swing arc	180°	180°	180°
Bucket rotation:			
Mechanical coupler	198.0°	198.0°	198.0°
Hydraulic coupler – Extendahoe® dipper	194.8°	194.8°	194.8°
Hydraulic coupler – standard dipper	198.0°	198.0°	198.0°
Stabilizer spread – operating:			
Flip pad	10 ft 9 in (3.28 m)	10 ft 9 in (3.28 m)	10 ft 9 in (3.28 m)
Cast pad	11 ft 1 in (3.38 m)	11 ft 1 in (3.38 m)	11 ft 1 in (3.38 m)
Digging force:			
Bucket cylinder – SAE rated 3,460 psi	13,576 lb (60 388 N)	13,576 lb (60 388 N)	13,576 lb (60 388 N)
Bucket cylinder – Power Lift	14,831 lb (65 972 N)	14,831 lb (65 972 N)	14,831 lb (65 972 N)
Dipper cylinder – SAE rated 3,460 psi	8,657 lb (38 508 N)	8,657 lb (38 508 N)	6,305 lb (28 045 N)
Dipper cylinder – Power Lift	9,458 lb (42 071 N)	9,458 lb (42 071 N)	6,888 lb (30 639 N)
Leveling angle:			
Flip pad	11.5°	11.5°	11.5°
Cast pad	12.4°	12.4°	12.4°

NOTE: Lift capacities apply straight to the rear of prime mover. Equipped with 24 in (610 mm) Universal heavy-duty trenching bucket and Case coupler except as noted.

STANDARD EQUIPMENT

OPERATOR ENVIRONMENT

See page 1

ENGINE

Case F5C Interim Tier 4,
with CEGR/DPF after treatment

IT4 or Tier 4 A Emissions compliant

Glow plugs cold start

Full flow engine oil filter

Air cleaner – replaceable dry type
with radial seal

Aspirated air cleaner

Fuel filter with water trap

Diesel Particulate Filter F – spark arresting

Fuel tank – usable capacity 42 gal (159 L)

High Pressure Common Rail computer
controlled injection with diagnostic features

Electronic throttles – foot and rotary hand

Antifreeze to -34° F (-37° C)

Radiator with overflow bottle

POWERTRAIN

Standard Powershuttle, 4F-4R Power Shuttle
Synchromesh transmission, manual gear
shift, fully synchronized

Front axle:

4WD heavy-duty mechanically driven front
axle with 14.0 x 17.5 tires, limited slip
differential and drive shaft guard

POWERTRAIN (continued)

Rear axle:

4WD heavy-duty outboard planetary drive
with 21.0 x 24.0 tires

Torque converter – 12 in (305 mm)

On-the-go electric 4WD control

Electric F/R shuttle control

Electric differential lock control, push-button

Park brake, spring-applied, hydraulic
release – SAHR

HYDRAULICS

Ground level remote hydraulic test ports

Variable displacement axial piston pump

Maximum loader capacity:
41.0 gpm @ 2,340 psi (155.2 L/min @ 161 bar)

Loader torque regulation:
27.4 gpm @ 3,450 psi (103.4 L/min @ 238 bar)

Maximum backhoe capacity:
41.0 gpm @ 3,100 psi (155.2 L/min @ 214 bar)

Backhoe torque regulation:
35.0 gpm @ 3,450 psi (132.0 L/min @ 238 bar)

Heavy-duty oil cooler

7 micron, spin on oil filter

LOADER

See page 2

BACKHOE

Power Lift

See page 2

OTHER

Front tire 12.5/80 x 18.0, 10-PR

Rear tire 21.0 L x 24.0, 10-PR

Forward tilt engine hood

Replaceable, molded front bumpers

Front/Rear tie downs

Reflective logos

Lights – cab and canopy:

2 rear tail/stop
2 front flashers/turn
2 rear flashers/turn

Cab only:

2 front driving lights – 55 W

Adjustable halogen work lights – 55 W:

2 front
2 side – left and right
4 rear

Canopy only:

2 front driving lights – 55 W

Adjustable halogen work lights – 55 W:

2 side – left and right
2 rear

OPTIONAL EQUIPMENT

OPERATOR ENVIRONMENT

Auto Ride Control – 4WD models

Standard Ride Control – 2WD models

Comfort Steering with momentary latching
switch, two speed steering pump and
3rd/4th gear cutout

ROPS/FOPS certified protective cab with rear
wipers and floor mat

Cab Convenience Package containing
pull-down sun visor, window washer – front
and rear, left-hand storage tray, deluxe
interior package, tilt steering column, sound
Reduction Package for cab models – levels
reduced to 72 dB (A), right-hand threshold
storage box

Pull-down sun visor for canopy models

Radio – AM/FM Stereo/WB, MP3 auxiliary input

ENGINE

Cold Weather Starting Aid
with dual 12 Volt batteries

Block heater

POWERTRAIN

Powershift S-Type transmission, 4F-3R
fully synchronized electronic transmission
controller and kick down in loader control
lever – 2WD or 4WD

Powershift H-Type transmission, 4F-3R
hydraulic clutch shifting with auto function

HYDRAULICS

Auxiliary backhoe unidirectional hydraulics

Auxiliary backhoe bidirectional hydraulics:
Hand lever operated for manual controls
Button operated for pilot controls

LOADER

Auxiliary hydraulics for loader mounted
equipment with thumb-operated
proportional control

Hydraulic front quick coupler

Loader linkage without loader bucket

Tool portfolio of additional attachments

Buckets – see page 2

BACKHOE

Gripper teeth extensions on dipper

Thumb-operated unidirectional auxiliary
hydraulics with low flow from 0 to 36 gal/min
(0 to 136 L/min)

Thumb-operated bidirectional auxiliary
hydraulic control

Hydraulic bucket quick coupler

Bucket retrofit kit

Flip over stabilizer pads

Cemetery/Street pads

Buckets – see page 2

OTHER

Electrical master disconnect switch and
remote jump-start

Special paint

Lift hooks – export

Front counterweights:
700 lb and 1,100 lb (318 kg and 500 kg)

Rotating beacon

Export protection package



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.

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All Case construction equipment is biodiesel ready.