

ENGINE

Model	Case F5C Diesel, Tier 4 Interim Emissions Certified
Type	4-stroke, turbocharged
Cylinders	4
Bore/Stroke	3.9 in x 4.33 in (99 mm 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 w/ viscous fan**	95 hp (71 kW)
Net	90 hp (67 kW)
Maximum torque @ 1400 RPM:	
Gross	334 lb-ft (453 N-m)
Net w/ viscous fan**	333 lb-ft (452 N-m)
Net	326 lb-ft (442 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 with 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 with standard transmission.
Meets federal emission regulations.
**Viscous fan included with Cab
Convenience package.

POWERTRAIN

Transmission – standard:	Powershift S-Type, 4F-3R fully synchronized
Transmission – optional:	4F-4R Power Shuttle Synchronesh transmission manual gear shift 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 (km/h)	Reverse mph (km/h)
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 with
19.5 L x 24 tires.
*4R not available on Powershift S-Type.

Transmission – optional:

Powershift H-Type, 4F-3R hydraulic clutch shifting with 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 (km/h)	Reverse mph (km/h)
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 with
21 L X 24 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 in ² (.25 m ²)

Parking brakes:

Trans Mounted spring applied hydraulic
release (SAHR)

ELECTRICAL

Voltage	12 Volts, negative ground
Alternator	120 amp

ELECTRICAL (CONT.)

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 & rear.

OPERATING WEIGHT

Configuration – SAE Transport:

93 in (2.36 m) bucket, PST, 4WD, 21 L x 24 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:
40 gpm @ 2,340 psi (151.4 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 with proportional thumb switch w/ detent on loader control handle:
0 to 31.5 gpm (0 to 119 L/min)

Backhoe flow @ rated engine RPM:
40 gpm @ 3,100 psi (151.4 L/min @ 161 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 with "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 with "swing cushioning" valve for zero-wag swing control. Basic control valve is closed center, with circuits in parallel with a post-compensated, flow sharing feature for simultaneous operation of all circuits.

Unidirectional Auxiliary Hydraulics:

Unidirectional hydraulic valve is equipped with an 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 L)
Hydraulic system total	132 qt (124.9 L)
Transmission – total system:	
4WD Std. transmission	21 qt (19.4 L)
4WD Powershift S-Type	22 qt (20.7 L)
4WD Powershift H-Type	19 qt (18 L)
4WD Front axle:	
Differential	9.1 qt (8.6 L)
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, 10 PR
Rear tires – 4WD	21 L x 24, 10 PR

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.

Turning diameter:

4WD – engaged:	
Brakes on	11 ft 12 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 L x 24 tires and 93 in (2.36 m) general purpose bucket.

Loader bucket sizes:

Width	Weight	Struck	Heaped
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)
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)

OTHER SPECIFICATIONS

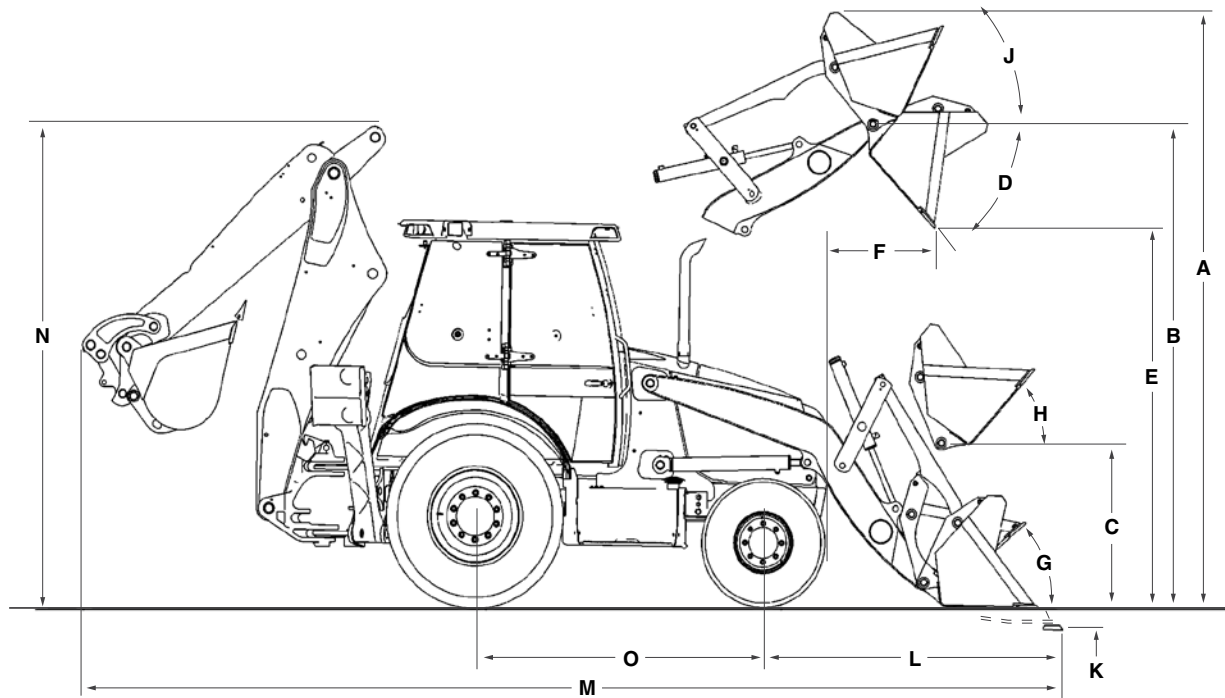
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Backhoe:
Over center design, Fabricated "S" boom"; Pro-Control System; Dipperstick integrated serrated grip teeth; 17, 940 lb-ft (24 370 N-m) swing torque; Case attachment coupler; Foot swing w/ 3 lever controls; Wing stabilizers w/ cleated dirt pad.

Backhoe bucket sizes:

Width	Weight	Heaped
Universal Buckets		
12 in (305 mm)	295 lb (134 kg)	3.40 ft ³ (0.10 m ³)
18 in (457 mm)	356 lb (162 kg)	5.30 ft ³ (0.15 m ³)
24 in (610 mm)	427 lb (194 kg)	7.70 ft ³ (0.22 m ³)
30 in (762 mm)	489 lb (222 kg)	10.20 ft ³ (0.29 m ³)
36 in (914 mm)	552 lb (251 kg)	12.70 ft ³ (0.36 m ³)
High Capacity Buckets		
24 in (610 mm)	447 lb (203 kg)	8.50 ft ³ (0.24 m ³)
30 in (762 mm)	502 lb (228 kg)	10.60 ft ³ (0.30 m ³)

NOTE: *Engine speeds with standard transmission.



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 @ SAE carry	12.75 in (324 mm)	12.75 in (324 mm)
D. Dump angle @ full height	45°	45°
E. Dump clearance @ full height, 43° dump:		
Bucket	8 ft 11 in (2.73 m)	9 ft 1 in (2.77 m)
Clam open	NA	9 ft 11 in (3.01 m)
F. Dump reach @ full height, 45° dump (from bumper):		
Bucket	27.0 in (685 mm)	27.0 in (685 mm)
Clam open	NA	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 lbf (5093 daN)	11,241 lbf (5000 daN)
Dump cylinders	10,873 lbf (4837 daN)	11,674 lbf (5193 daN)
Bucket cutting edge width	94.2 in (2.39 m)	93 in (2.36 m)
Maximum grading angle	106°	106°
Maximum clam opening	NA	38.3 in (972 mm)
Moldboard height	NA	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	NA	1.3 sec
Close time	NA	1.1 sec

NOTE: Loader dimensions taken with 4WD, 21 L x 24 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)	NA
4 IN 1® bucket	23 ft 1 in (7.04 m)	23 ft 1 in (7.04 m)	NA
Overall transport width	8 ft 6 in (2.59 m)	8 ft 6 in (2.59 m)	NA
Height – 4WD w/ 21 L x 24 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)	NA
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	75.6 in (1.92 m)		
21 L x 24	69.6 in (1.77 m)		
Width across tires:			
12.5/80 x 18	88.2 in (2.24 m)		
21 L x 24	91.8 in (2.33 m)		
O. Wheelbase:			
21 L x 24	84.5 in (2.15 m)		

CYLINDERS

	Bore Diameter	Rod Diameter	Stroke	Closed Length
Loader:				
Lift (2)	3.5 in (88.9 mm)	1.88 in (47.6 mm)	29.13 in (740 mm)	41.54 in (1055 mm)
Bucket (2)	3.0 in (76.2 mm)	1.5 in (38.1 mm)	20.33 in (516.5 mm)	29.90 in (759.5 mm)
4 IN 1® clam (2)	3.0 in (76.2 mm)	1.75 in (44.5 mm)	9.08 in (230.6 mm)	19.62 in (498.3 mm)
Backhoe:				
Boom	5.0 in (127 mm)	2.5 in (63.5 mm)	38.25 in (971.6 mm)	52.82 in (1341.6 mm)
Dipperstick	4.75 in (120.7 mm)	2.5 in (63.5 mm)	25.14 in (628.5 mm)	39.65 in (1007 mm)
Bucket	3.5 in (88.9 mm)	2.5 in (63.5 mm)	35.35 in (897.9 mm)	48.17 in (1223.6 mm)
Extendahoe®	3.0 in (76.2 mm)	1.75 in (44.5 mm)	42.05 in (1068 mm)	56.22 in (1428 mm)
Swing (2)	4.0 in (101.6 mm)	2.0 in (50.8 mm)	11.5 in (292 mm)	24.44 in (620.8 mm)
Stabilizer (2)	5.25 in (133.4 mm)	2.50 in (63.5 mm)	20.4 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)

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 LIFT CAPACITIES

Boom Lift	Standard Backhoe		Extendahoe®			
	Standard	Power Lift	Retracted		Extended	
	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)

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)	17 ft 12 in (5.48 m)
Maximum w/ 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°	198°	198°
Hyd. Coupler – Extendahoe dipper	194.8°	194.8°	194.8°
Hyd. Couple – Standard dipper	198°	198°	198°
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 lbf (60 388 N)	13,576 lbf (60 388 N)	13,576 lbf (60 388 N)
Bucket cylinder – Power Lift	14,831 lbf (65 972 N)	14,831 lbf (65 972 N)	14,831 lbf (65 972 N)
Dipper cylinder – SAE rated 3,460 psi	8,657 lbf (38 508 N)	8,657 lbf (38 508 N)	6,305 lbf (28 045 N)
Dipper cylinder – Power Lift	9,458 lbf (42 071 N)	9,458 lbf (42 071 N)	N/A
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 H.D. trenching bucket and Case coupler except as noted.

STANDARD EQUIPMENT

OPERATOR ENVIRONMENT

See page 2.

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 w/ water trap
Diesel Particulate Filter F – spark arresting
Fuel tank – useable capacity 42 gal (159 L)
Radiator with overflow bottle
Antifreeze to -34° F (-37° C)
Electronic throttles (foot and rotary hand)
High Pressure Common Rail computer
controlled injection with diagnostic features

LOADER

See page 2.

BACKHOE

Power Lift
See page 2.

POWERTRAIN

Standard Powershuttle, 4F-4R Power Shuttle
Synchromesh transmission, manual gear shift,
fully synchronized
Front axle:
4WD heavy-duty mechanically driven front
axle w/ 14 x 17.5 tires, limited slip differential
and drive shaft guard
Rear axle:
4WD heavy-duty outboard planetary drive
w/ 21 x 24 tires
12 in (305 mm) Torque Converter
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:
40 gpm @ 2,340 psi (151.4 L/min @ 161 bar)
Loader torque regulation:
27.4 gpm @ 3,450 psi (103.4 L/min @ 238 bar)
Maximum backhoe capacity:
40 gpm @ 3,100 psi (151.4 L/min @ 214 bar)

HYDRAULICS (CONT.)

Backhoe torque regulation:
35 gpm @ 3,450 psi (132 L/min @ 238 bar)
Heavy-duty oil cooler
7 micron, spin-on oil filter

OTHER

Front tire 12.5/80 x 18, 10 PR
Rear tire 21L x 24, 10 PR
Forward tilt engine hood
Replaceable, molded front bumpers
Front/rear tie downs
Reflective logos
Lights – cab and canopy:
Rear tail/stop (2)
Front flashers/turn (2)
Rear flashers/turn (2)
Cab only:
2 front driving lights (55 W)
Adjustable halogen work lights (55 W):
2 front, 2 side (left & right), 4 rear
Canopy only:
2 front driving lights (55 W)
Adjustable halogen work lights (55 W):
2 side (left & 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 w/ rear
wipers and floor mat
Cab Convenience Package containing:
Pull-down sunvisor
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
Viscous fan
Pull down sunvisor for canopy models
Radio – AM/FM Stereo/WB, MP3 aux. input

LOADER

Auxiliary hydraulics for loader mounted
equipment with thumb-operated
proportional control
Hydraulic front quick coupler
Loader linkage w/o 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)

ENGINE

Block heater
Cold weather starting aid:
w/ dual 12 Volt batteries

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

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

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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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