



C327

C334

DIMENSIONS

DIMENSIONS		C327	C334	
Overall operating height				
A.	with foundry/excavating bucket short lip	in (mm)	155.6 (3953)	157.2 (3993)
A.	with low profile/standard lip bucket	in (mm)	159.8 (4059)	161.4 (4099)
A.	with low profile extended/tong lip bucket	in (mm)	164.6 (4148)	166.2 (4221)
Height to				
B.	Bucket hinge pin	in (mm)	125 (3178)	126.5 (3215)
C.	Top of ROPS	in (mm)	78.7 (1998)	80.4 (2043)
D.	Bottom of level bucket, fully raised	in (mm)	117.1 (2976)	118.7 (3016)
Overall length				
E.	without attachment with coupler	in (mm)	104.8 (2662)	118.2 (3003)
F.	with foundry excavation bucket on ground	in (mm)	129.6 (3292)	142.6 (3621)
F.	with low profile bucket	in (mm)	133.4 (3388)	141.5 (3749)
F.	with low profile extended bucket	in (mm)	138.3 (3512)	151.7 (3853)
Dump				
G.	Dump angle	degrees	38.1	38.1
H. Dump height				
	with foundry/excavating bucket short lip	in (mm)	100.6 (2556) @ 38.1°	102.4 (2602) @ 38.3°
	with low profile/standard lip bucket	in (mm)	98.0 (2488) @ 38.1°	99.9 (2537) @ 38.1°
J.	Dump reach (max height)	in (mm)	22.3 (568) @ 38.1°	21.6 (548) @ 38.1°
Maximum attachment rollback				
K.	Bucket on ground	degrees	31	30.6
L.	Bucket at full height	degrees	99	100
Track and clearance				
M.	Track on ground	in (mm)	55.9 (1419)	64.5 (1639)
P.	Ground clearance (bottom of belly pan)	in (mm)	8 (203)	9.6 (243)
Q.	Angle of departure	degrees	32	32
Clearance circle				
R.	without bucket	in (mm)	52.3 (1346)	57.7 (1466)
S.	with foundry bucket in carry position	in (mm)	82.2 (2187) with 72" bucket	87 (2210) with 78" bucket
S.	with low profile bucket on ground	in (mm)	85.8 (2181) with 72" bucket	90.8 (2307) with 78" bucket
S.	with extended low profile on ground	in (mm)	90.4 (2297) with 72" bucket	95.2 (2419) with 78" bucket
T.	Clearance circle rear	in (mm)	59.1 (1501)	67.9 (1725)
V.	Track gauge	in (mm)	53.4 (1356)	58.3 (1480)
W.	Overall width	in (mm)	65.9 (1676)	76.5 (1943)

		C327	C334
ENGINE			
Manufacturer/model		FPT / F5H FL463A	FPT / F5BFL413E*B002
Type		Diesel 4-stroke, turbo, D.I.	Diesel 4-stroke, turbo, D.I.
Cylinder		4	4
Bore/stroke	in (mm)	3.9 x 4.3 (99 x 109)	3.9 x 4.3 (99 x 110)
Displacement	in ³ (L)	207 (3.4)	207.5 (3.4)
Fuel injection		HPCR Direct	HPCR Direct
Fuel		#2 diesel	#2 diesel
Fuel filter		Pre-spin on 30 microns Main-spin on 4 microns	Pre-filter 99.8% @ 30 microns Main filter 95% @ 4 microns
Air intake		Turbocharged with external EGR	Turbocharged Aftercooled with external EGR and SCR
Cooling		Liquid	Liquid
Engine speeds			
High idle - no load	rpm	2500 +/- 25	2500 +/- 25
Rated - full load	rpm	2500	2500
Low idle	rpm	1150 +/- 25	1150 +/- 25
Horsepower per SAE J1349			
	Gross hp (kW)	74 (55) @ 2500 rpm	90 (67) @ 2500 rpm
	Net hp (kW)	68 (51) @ 2500 rpm	84 (63) @ 2500 rpm
Peak torque	lb-ft (N•m)	232 (314) @ 1400 rpm	282 (383) @ 1400 rpm

		C327	C334
POWER TRAIN			
Drive pump electro hydraulic			
Pump to engine ratio		1:1	1:1
Displacement	in ³ (cc)	2.75 (45)	2.75 (45)
Flow	gpm (Lpm)	24.2 (91.5)	28.8 (109)
Charge pressure	psi (bar)	362 (24.5)	362 (25)
System relief	psi (bar)	5220 (360)	5220 (360)
Control		Mechanical or Electro hydraulic	Electro hydraulic
Drive motors			
Effective Max displacement	in ³ (cc)	67 (1098)	67 (1098)
Effective Displacement opt high speed	in ³ (cc)	43.6 (714)	43.6 (714)
Speed @ high idle engine	rpm	103	103
Speed @ optional high speed	rpm	156	156
Torque @ max displ. and relief pressure	lb-ft (N•m)	4654 (6310)	3027 (4104)
Travel speed			
Low range	mph (km/h)	5.5 (8.9)	5.5 (8.2)
High range		8.0 (12.9)	8.0 (12.9)
Final drive		Planetary gearbox with 2-speed motor	Planetary gearbox with 2-speed motor
Parking brake			
Type		Spring applied, hydraulic release disc	Spring applied, hydraulic release disc
Engagement		Depress on/off brake button on instrument panel, disconnect lapbelt, get off seat, or stop engine	Depress on/off brake button on instrument panel, disconnect lapbelt, get off seat, or stop engine

		C327	C334
UNDERCARRIAGE			
System		Zig Zag Pattern	Zig Zag Pattern
Idlers / rollers per side		2/3	2/4
Ground pressure			
PSI (with spec belt)		5.9	4.2

			C327	C334
HYDRAULIC SYSTEM				
Pumps				
Type			Gear	Gear
Displacement standard aux.	in ³ (cc)		2.23 (36.6)	2.23 (36.6)
Displacement high flow aux.	in ³ (cc)		.76 (12.5)	1.24 (20.4)
Standard pump flow	gpm (Lpm)		24.2 (91.5)	24.2 (91.5)
Optional high flow	gpm (Lpm)		32.4 (122.6)	37.6 (142.5)
Enhanced high flow	gpm (Lpm)		NA	35 (132.5)
Loader control valve				
Type			3 spool / open center / series	3 spool / open center / series
Standard relief pressure	psi (bar)		3046 (210)	3046 (210)
Enhanced high flow relief pressure	psi (bar)		NA	4000 (276)
Hydraulic filter			6 microns / spin on	6 microns / spin on

			C327	C334
CYLINDERS				
Lift cylinder				
Bore diameter	in (mm)		2.5 (63.5)	2.75 (69.85)
Rod diameter, in (mm)	in (mm)		1.75 (44.5)	2.0 (50.8)
Stroke in, in (mm)	in (mm)		31.69 (804.9)	33.4 (847.9)
Closed length, in (mm)	in (mm)		45.59 (1158.0)	47.1 (1196)
Bucket cylinders				
Bore diameter, in (mm)	in (mm)		2.75 (69.9)	3.9 (99)
Rod diameter, in (mm)	in (mm)		1.38 (34.9)	1.5 (38.1)
Stroke, in (mm)	in (mm)		16.14 (410)	16.14 (410)
Closed length, in (mm)	in (mm)		24.02 (610)	24 (610)
Rated operating load				
50% tip	lbs (kg)		2700 (1225)	3400 (1542)
35% tip	lbs (kg)		1890 (860)	2380 (1079)
Tipping load	lbs (kg)		5400 (2449)	6800 (3084)
Breakout forces				
Lift cylinder	lbs (kN)		6260 (27)	7760 (34.5)
Bucket cylinder	lbs (kN)		7270 (32.3)	8700 (38.7)
Cycle times				
Raise	sec		3.6	4.4
Lower	sec		1.8	2.6
Dump	sec		2.2	2.6
Roll back	sec		1.7	2.0

			C327	C334
WEIGHTS				
Operating weight	lbs (kg)		8270 (3750)	10,000 (4536)
Shipping weight	lbs (kg)		7970 (3615)	9656 (4380)

			C327	C334
SERVICE CAPACITIES				
Fuel tank, gal (L)			19.5 (73.8)	25.5 (96.5)
Engine oil with filter, qt (L)			8.9 (8.5)	8.9 (8.5)
System Capacity with filter, qt (L)			34 (32.2)	47 (44.5)
DEF tank, gal (L)			NA	2.8 (10.7)

For all dimensions and performance metrics, unless otherwise specified:
 C327 – Equipped with 175 lb operator, 72” Dirt & Foundry Bucket with 12.6 (320 mm) track belt
 C334 – Equipped with 175 lb operator, 78” Heavy-Duty Bucket with 17.7 (450 mm) track belt