

ENGINE

Model	Case Family IV 667TA/EDJ Tier III Certified
Cylinders	6
Bore/Stroke	4.09 x 5.20 in (104 x 132 mm)
Displacement	409 in ³ (6.7 L)
Fuel injection	Direct common rail
Fuel	#2 Diesel
Fuel filter	Primary spin-on with in-line strainer
Air intake	Cross-flow
Cooling	Liquid
Engine speeds (rp High idle - no loa Rated - full load	,
Low idle	900-1100
Horsepower per S	AE J1349
Net	144 (107 kW) @ 2200 rpm
Gross	156 (116 kW) @ 2200 rpm
Peak torque @ 140	00 rpm
Net	493 lb·ft (669 N·m)
Gross	509 lb·ft (690 N·m)
Engine lubrication	-
Pump	Deep sump plate cooler with pressurized under-piston nozzles
Pump operating	angle ratings
Side-to-side	45°
Fore and aft	45°

ENGINE COOLING

Radiator –		
Core size area	939 in ² (0.61 m ²)	
Rows of tubes	4	
Fan –		
Diameter	26.1 in (662 mm)	
Ratio	1.1:1	

ELECTRICAL SYSTEM

Alternator	65 amp
Voltage	24 volt system
Battery	
(2) 12-volt low-maintenance ing amps @ 0° F (-18 C)	e 700 cold-crank-

POWERTRAIN

Dual path hydros	tatic	
Pump – variable	e axial pisto	on
Motor – variable	e bent axis	piston
Maximum drawb	ar pull*	61,846 lb (275.1 kN)
Transmission		gle lever control – straight tracking
Oil filter	2	2 micron, spin-on replaceable
Travel speeds* -		
Forward	0-6	mph (0-9.7 km/h)
Reverse	0-6 (mph (0-9.7 km/h)
0	reduce draw	chain. Increase travel bar pull by 4% with
Parking brakes	hydraulic	Heavy-duty, spring-applied, pressure release
Steering brakes		Hydrostatic
Final drive	eduction to	2 helical gear planetary output
Ratio		61:1

TRANSMISSION COOLING

Туре	Oil to air
Core size	638 in ² (4116 cm ²)

HYDRAULIC SYSTEM

Standard equipment pump	
Pump flow @ 2200 rpm	
@ 2830 psi (195 kPA)	34.9 gpm
	(132 L/min)
	(132 L/1111)

CYLINDERS

Lift cylinder (2)	
Bore diameter	3.54 in (90 mm)
Rod diameter	1.97 in (50 mm)
Stroke	32.52 in (826 mm)
Angle cylinder (2)	
Bore diameter	3.94 in (100 mm)
Rod diameter	1.97 in (50 mm)
Stroke	20.04 in (509 mm)
Tilt cylinder (1)	
Bore diameter	4.92 in (125 mm)
Rod diameter	2.48 in (63 mm)
Stroke	5.31 in (135 mm)
Stroke	5.31 in (135 mm)

UNDERCARRIAGE

Track adjustment		Hydraulic
Frame Oscillating equalizer beam suspension and pivot shaft		
	suspens	son and pivot shart
Length of track on g	iround	120 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 s	ide –	
CLT track		45
CELT track		45
Track rollers per s	ide	8
Carrier rollers per	side	2
Track roller rail dia	a.	7.99 in (203 mm)

AREA OF TRACK ON GROUND

Shoe	Area – in ² (cm ²)
22 in (558 mm)	5,284 (34 093)
24 in (610 mm)	5,767 (37 204)
28 in (711 mm)	6,721 (43 027)
34 in (864 mm)	8,168 (52 695)

TRACK AND SHOE OPTIONS

Extra Long Track	
22 in (558 mm) closed grousers and CLT	
22 in (558 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 (558 mm) closed grousers and CLT	
22 in (558 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	
Low ground pressure	
34 in (864 mm) closed grousers and CLT	
34 in (864 mm) open grousers and CELT	

OPERATOR ENVIRONMENT

ROPS canopy
Adjustable armrests
Foot rests
Retractable seat belt, 2 in (51 mm)
Vinyl suspension seat w/back adjustment
Headliner
Floormat
Mirror
Entire structure tilts for access

INSTRUMENTATION

	(shank
Warning lights:	(
Air filter	Points
Alternator	Max. r
Diagnostic fault indicator	
Engine coolant temperature	Tooth
Engine oil pressure	with
Hydraulic filter	Hydra
Low fuel level	Dian
Park brake engaged	Strol
Service soon indicator	Rod
Transmission filter	
Transmission charge pressure	
Gauges:	
Battery voltage	
Digital hourmeter/tachometer/diagnostic/ser-	
vice reminder	
Fuel level	
Transmission oil temperature	
Transmission speed indicator	
Water temperature	
Audible warnings:	
Engine coolant temperature	
Engine oil pressure	
Low fuel level	
Transmission charge pressure	
Transmission charge pressure	

BLADE

Blade pitch (adjustable)	50°- 60°	
Cutting edge	Reversible and replaceable	
Width	7.9 in (200 mm)	
Thickness	0.8 in (20 mm)	

RIPPER

Max. penetration	19 in (483 mm)				
Width	67.4 in (1711 mm)				
Cut width	64.4 in (1635 mm)				
Ground clearance (shanks in top position)	16.7 in (424 mm)				
Points	Replaceable				
Max. number of shanks	5				
Tooth spacing -					
with 3 teeth	31 in (787 mm)				
Hydraulic cylinder (double-acting)					
Diameter	4 in (102 mm)				
Stroke	10 in (254 mm)				
Rod	2 in (51 mm)				

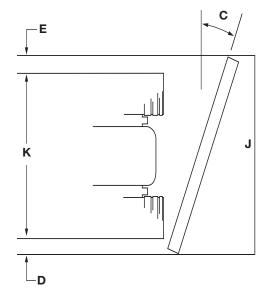
SERVICE CAPACITIES

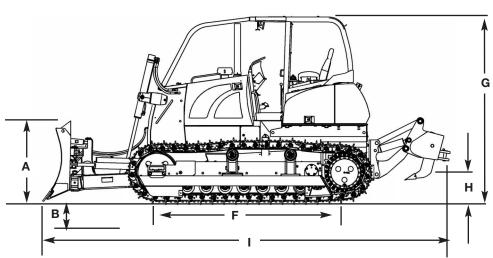
Fuel tank	65 gal (246 L)		
Engine oil w/filter	16.5 qt (15.6 L)		
Engine oil w/o filter	17.3 qt (16.4 L)		
Engine cooling system	34 qt (32 L)		
Cooling system –			
Cab w/heater and AC	34.3 qt (32.5 L)		
Hydraulic reservoir	26 gal (98.4 L)		
Final drive (per side)	15 qt (14.2 L)		
Track rollers (ea.)	0.29 qt (0.275 L)		
Front idlers (ea.)	0.225 qt (0.237 L)		
Carrier rollers (ea.)	0.353 qt (0.334 L)		

OPERATING WEIGHTS

Operating weight includes ROPS, full fuel tank, 170 lb (77 kg) operator, rear retrieval hitch, track guides, back up alarm, horn and lights

3 ¹ 1 1 1	,				
Extra Long Track	35,203 lb (15 965 kg)				
Wide Track	36,691 lb (16 640 kg)				
LGP	37,578 lb (17 042 kg)				
Add-on weights –					
Drawbar	146 lb (66 kg)				
Ripper (5 shank)	2,988 lb (1355 kg)				
Winch	5,513 lb (2500 kg)				
Cab	2,051 lb (930 kg)				
CELT chain	185 lb (84 kg)				





DIMENSIONS

		Extra Long Track (XLT)	Wide Track (WT)	Low Ground Pressure (LGP)
BL	ADES			
	Blade width	126 in (3.20 m)	157 in (3.98 m)	157 in (3.98 m)
	SAE blade capacity	4.12 yd³ (3.1 m³)	4.12 yd ³ (3.1 m ³)	4.2 yd ³ (3.2 m ³)
Α.	Blade height	46.5 in (1181 mm)	39.4 in (1000 mm)	39.4 in (1000 mm)
В.	Blade depth below ground	19.3 in (490 mm)	23.2 in (589 mm)	23.2 in (589 mm)
с.	Blade angle both directions	25°	28°	28°
	Blade tilt, each end (up to 8.3°)	17.7 in (449 mm)	21.7 in (551 mm)	21.7 in (551 mm)
	Blade lift above ground	37.4 in (949 mm)	35.4 in (899 mm)	35.4 in (899 mm)
D.	Cast reach	15.5 in (393.7 mm)	23.3 in (591 mm)	20.3 in (515 mm)
E.	Cut reach	-2.8 in (-71 mm)	3.4 in (86 mm)	0.4 in (10 mm)
TR	ACKS			
	Track gauge	74 in (1.87 m)	84 in (2.13 m)	84 in (2.13 m)
	Max shoe width	24 in (610 mm)	28 in (711 mm)	34 in (864 mm)
F.	Track on ground	120 in (3.04 m)	120 in (3.04 m)	120 in (3.04 m)
	Area of track on ground	5767 in² (3.72 m²)	6721 in² (4.33 m²)	8168 in² (5.26 m²)
	Ground pressure	6.2 psi (42.8 kPa)	5.62 psi (38.7 kPa)	4.63 psi (31.9 kPa)
DIN	/ENSIONS			
G.	Height to top of ROPS	9 ft 10 in (2.99 m)	9 ft 10 in (2.99 m)	9 ft 10 in (2.99 m)
	Height to top of cab	9 ft 10 in (2.99 m)	9 ft 10 in (2.99 m)	9 ft 10 in (2.99 m)
н.	Ground clearance	13.7 in (347 mm)	13.7 in (347 mm)	13.7 in (347 mm)
	Length –			
I.	Blade straight with drawbar	18 ft 7 in (5.66 m)	18 ft 7 in (5.66 m)	18 ft 7 in (5.66 m)
	Blade straight with ripper	21 ft 9 in (6.62 m)	21 ft 9 in (6.62 m)	21 ft 9 in (6.62 m)
	Width –			
	Blade straight	10 ft 6 in (3.20 m)	13 ft 1 in (4.00 m)	13 ft 1 in (4.00 m)
J.	Blade angled	9 ft 2 in (2.79 m)	11 ft 7 in (3.53 m)	11 ft 7 in (3.53 m)
к.	Over track	98 in (2.48 m)	112 in (2.84 m)	118 in (2.99 m)

NOTE: Ground clearance and overall height dimensions are with the grousers fully penetrated. Add 52.5 mm (2.07 in) if unit is on solid surface.

STANDARD EQUIPMENT

OPERATOR'S COMPARTMENT

ROPS/FOPS canopy Vinyl suspension seat w/back adjustment Retractable seat belt, 2 in (51 mm) Adjustable armrests Foot rests Tool storage area Headliner Floor mat Entire structure tilts for access

ENGINE

Case Family IV 667TA/EDJ Automatic fan belt tensioner Integral engine oil cooling Fuel filter Dual element radial seal air cleaner 65 amp alternator (2) 700 CCA 12-volt batteries Anti-sandblast radiator Engine side panels

OPTIONAL EQUIPMENT

OPERATOR'S COMPARTMENT

Cab (w/heater, defroster, A/C, front windshield washer and lights) ROPS heater 3 in (76 mm) seat belt Deluxe air suspension seat

HYDRAULICS

4 spool hydraulic valve for field-installed ripper

REAR MOUNTED EQUIPMENT

Ripper, 5 slot with 5 shanks

POWERTRAIN

Dual path infinitely variable, single-lever controlled hydrostatic drive with electronic straight tracking & counter-rotation, 4-position forward/reverse ratio control

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

Backup alarm Horn Anti-vandalism package Mirror Pre-cleaner Lights - 2 front, 1 rear Rear transmission guard Front pull hook

BLADES

126 in (3.20 m) XLT w/24 in (610 mm) shoes 157 in (3.98 m) WT w/28 in (711 mm) shoes 157 in (3.98 m) LGP w/34 in (864 mm) shoes

GUARDS

ROPS canopy brush guard CAB canopy brush guard Center rockguard

SCREENS

Rear ROPS and cab Side ROPS Radiator brush

OTHER

Counterweight, front Drawbar, short Drawbar, long Rear retrieval hitch Environmental drains Turbine precleaner Rear wiper for cab Tool box for cab PTO equipment pump for winch drive Special paint Case Extended Life Track Grid heater Additional lights (2 front, 1 rear)

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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Biodiesel Ready All Case construction equipment is biodiesel ready.