

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) | | | | |

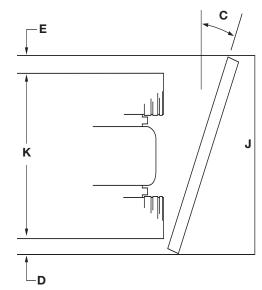
SERVICE CAPACITIES

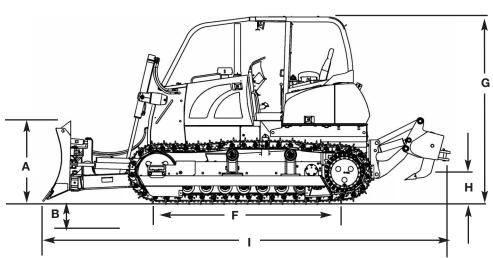
| Fuel tank | 65 gal (246 L) | | |
|------------------------|--------------------|--|--|
| Engine oil w/filter | 16.5 qt (15.6 L) | | |
| Engine oil w/o filter | 17.3 qt (16.4 L) | | |
| Engine cooling system | 34 qt (32 L) | | |
| Cooling system – | | | |
| Cab w/heater and AC | 34.3 qt (32.5 L) | | |
| 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.

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Biodiesel Ready All Case construction equipment is biodiesel ready.