

CASE 2050M CRAWLER DOZER





SPECIFICATIONS

CASE 2050M CRAWLER DOZER COMPLETE WITH:

OPERATING SPECIFICATION:

Net Power: 160kW (214HP) @ 2200rpm
Gross Power: 173kW (232HP) @ 2200rpm
Maximum Torque: 1082Nm @ 1500rpm
Travel Speed: Forward: 0–9.3km/h, Reverse:
0–9.3km/h
Maximum Drawbar Pull: 360kN
Blade Lift Speed: 483mm/sec
Variable Blade Pitch: 55°–60°
Excellent mobility and slope capability
Heavy-duty hydrostatic drive system

BODY:

Blade Cutting Edge: Reversible and replaceable
Compact low profile design for visibility and
balance

ENGINE:

FPT F4HE96848 Engine
6-cylinder diesel engine
6.7L displacement
Certified Tier 3 emissions compliant
Direct common rail fuel injection
Liquid cooled engine
Cross-flow air intake system
Screw-on fuel filter with screen
Low Idle: 800rpm
Pump operating angles:

- Side-to-side: 35°
- Fore and aft: 45°

TRAVEL SYSTEM:

Dual path hydrostatic transmission
Variable axle piston pump
Variable bent axis piston motor
Single lever electronic steering/tracking
control
Automatic straight tracking capability
Heavy-duty spring applied hydraulic release
parking brakes
Hydrostatic steering brakes

UNDERCARRIAGE AND GAURDS:

Oscillating equalizer beam suspension
Pivot shaft undercarriage design
Hydraulic track adjustment system
Track Rollers: 8 per side
Carrier Rollers: 2 per side
Track Shoes: 45 per side
Track Roller Rail Diameter: 187.6mm
Sealed and lubricated track systems available
Heavy-duty track frame design

ELECTRICAL SYSTEM:

12 Volt electrical system
120 Amp alternator
Low maintenance battery:

- 1000 cold cranking amps @ -18°C

Reliable electrical monitoring systems
Heavy-duty machine electrical components



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OPERATOR ENVIRONMENT:

Ergonomic operator controls
Single lever travel control system
Comfortable operator station
Enhanced machine visibility
Electronic straight tracking assistance
Operator-focused control layout

SERVICE CAPACITIES:

Fuel Tank: 405L
Hydraulic Reservoir: 210L
Engine Oil with Filter: 16.4L
Engine Oil without Filter: 15.6L
Engine Cooling System: 30.8L
Final Drive Oil: 25L per side
Track Rollers: 0.27L each
Front Idlers: 0.22L each
Carrier Rollers: 0.33L each

HYDRAULIC SYSTEM:

Pump Flow @ 2000rpm: 153L/min
HSU Blade Lift Cylinder:

- Bore Diameter: 82.6mm
- Rod Diameter: 50.8mm
- Stroke: 1000mm

HSU Blade Tilt Cylinder:

- Bore Diameter: 114.3mm
- Rod Diameter: 63.5mm
- Stroke: 126mm

PAT Blade Lift Cylinder:

- Bore Diameter: 114mm
- Rod Diameter: 63.5mm
- Stroke: 428.8mm

Grease injection track adjustment system
Heavy-duty hydraulic blade controls

RIPPER:

Maximum Penetration: 438mm
Width: 1953mm
Cut Width: 1889.8mm
Maximum Ground Clearance: 518mm
Maximum Number of Shanks: 3
Tooth Spacing with 3 Teeth: 930mm
Double-acting hydraulic cylinder
Cylinder Diameter: 133.4mm
Stroke: 597mm