

835H

WHEEL LOADER

Engine

Perkins 1204F Tier 4 Final

Gross Power

131 hp (98 kW)

Operating Weight

26,010 lb (11,798 kg)

Bucket Capacity

2.5 yd³ (1.9 m³)



TOUGH WORLD. TOUGH EQUIPMENT.

835H SPECIFICATIONS >>>

ENGINE	
Emissions regulation	Tier 4 Final / Stage IV
Make	Perkins
Model	1204F - E44TAN
Max gross power	131 hp (98 kW) @ 2,200 rpm
Max net power	125 hp (93 kW) @ 2,200 rpm
Peak torque	391 lb-ft (530 N-m) @ 1,400 rpm
Displacement	268 in ³ (4.4 L)
Number of cylinders	4
Aspiration	Turbocharged & air-to-air intercooled

TRANSMISSION STANDARD	
Transmission type	Countershaft, power shift
Torque converter	Single-stage, three-element
Maximum travel speed, fwd	24.1 mph (38.6 km/h)
Maximum travel speed, rev	14.9 mph (25.1 km/h)
Number of speeds, fwd	4
Number of speeds, rev	3

AXLES	
Differential front type	Limited slip
Differential rear type	Conventional
Axle oscillation	±11°

STEERING	
Steering configuration	Articulated
Steering pressure	2,611 psi (18 MPa)

BRAKES	
Service brake type	Wet discs, two independent circuits
Service brake actuation	Hydraulic
Parking brake type	Manual electronic control
Parking brake actuation	Hydraulic

HYDRAULIC SYSTEM	
Main pump type	Piston
System pressure	2,756 psi (19 MPa)
Raise	5.5 s
Dump time	1.2 s
Float down time	3.0 s
Total cycle time	9.7 s

LOADER ARM PERFORMANCE WITH ATTACHMENT	
Tipping load - straight	20,838 lb (9,452 kg)
Tipping load - full turn	16,245 lb (7,369 kg)
Bucket breakout force	20,232 lbf (90 kN)
Maximum hinge pin height	12 ft 2 in (3,720 mm)
Dump clearance at full height discharge	8 ft 10 in (2,700 mm)
Dump reach at full height discharge	3 ft 9 in (1,150 mm)
Maximum digging depth, bucket level	4 in (100 mm)
Bucket rollback at ground level	45°
Bucket rollback at carry	48°
Bucket rollback at maximum height	60°
Maximum dump angle at full height	45°

BUCKET PERFORMANCE	
Bucket capacity	2.5 yd ³ (1.9 m ³)

DIMENSIONS	
Ground clearance	13 in (325 mm)
Wheelbase	9 ft 5 in (2,870 mm)
Cab height	10 ft 6 in (3,200 mm)
Wheel tread	6 ft 1 in (1,855 mm)
Width over tires	8 ft 0 in (2,450 mm)
Length with bucket down	23 ft 10 in (7,265 mm)
Turn angle, either side	38°
Rear angle of departure	28°
Turning radius, bucket carry	18 ft 7 in (5,650 mm)
Turning radius, outside of tire	17 ft 9 in (5,410 mm)
Width over bucket	8 ft 4 in (2,530 mm)

TIRES	
Tire size	17.5R25 L3 tire

OPERATING WEIGHTS	
Operating weight	26,010 lb (11,798 kg)

SERVICE CAPACITY	
Fuel tank	50.2 gal (190 L)
Engine oil	3.2 gal (12 L)
Cooling system	5.8 gal (22 L)
Hydraulic system	31.7 gal (120 L)
Transmission	10.5 gal (40 L)
Axles, each	9.0 gal (34 L)
DEF tank	5.0 gal (19 L)

