

Engine	Perkins 1204F-E44TTAN
Max Gross Power	112 kW (152 hp) @ 2,200 rpm
Max Net Power	106.4 kW (144.6 hp) @ 2,200 rpm
Operating Weight	12,480 kg
Standard Bucket Size	2.1 m ³
Standard Breakout Force	102.5 kN
Standard Dump Clearance	2,830 mm

840H

WHEEL LOADER



TOUGH WORLD. TOUGH EQUIPMENT.

835H SPECIFICATIONS >>>

ENGINE

Emission Regulation	Tier 4 Final / Stage IV
Make	Perkins
Model	1204F -E44TTAN
Max Gross Power	112 kW (152 hp) @ 2,200 rpm
Max Net Power	106.4 kW (144.6 hp) @ 2,200 rpm
Peak Torque	650 N · m @ 1,400 rpm
Displacement	4.4 L
Number of Cylinders	4
Aspiration	Turbocharged & Air-to-air intercooled

TRANSMISSION

Transmission Type	Countershaft, power shift
Torque Converter	Single stage, three elements
Maximum Travel Speed, fwd	38.2 km/h
Maximum Travel Speed, rev	23.5 km/h
Number of Speeds, fwd	4
Number of Speeds, rev	3

AXLES

Differential Front Type	Limited slip
Differential Rear Type	Limited slip
Axle Oscillation	±12°

STEERING

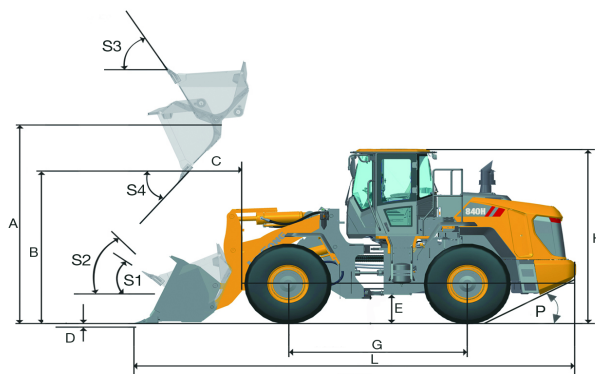
Steering Configuration	Articulated
Steering Relief Pressure	18 Mpa

BRAKES

Service Brake Type	Wet discs brake
Service Brake Actuation	Hydraulic
Parking Brake Type	Manual electronic control
Parking Brake Actuation	Hydraulic

HYDRAULIC SYSTEM

Main Pump Type	Piston
Main Relief Pressure	23 MPa
Raise	5.5 sec
Dump Time	1.6 sec
Float Down Time	3 sec
Fastest Total Cycle Time	10.1 sec



LOADER ARM PERFORMANCE

Tipping Load - Straight	10,450 kg
Tipping Load - Full Turn	8,605 kg
Bucket Breakout Force	102.5 kN
A Maximum Hinge Pin Height	3,755 mm
B Dump Clearance at Full Height Discharge	2,830 mm
C Dump Reach at Full Height Discharge	1,056 mm
D Maximum Digging Depth, Bucket Level	80 mm
S ₁ Bucket Rollback at Ground Level	45°
S ₂ Bucket Rollback at Carry	48°
S ₃ Bucket Rollback at Maximum Height	60°
S ₄ Maximum Dump Angle at Full Height	45°

BUCKET PERFORMANCE

Reference Bucket	2.1-4.0 m³
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DIMENSIONS

E Ground Clearance	366 mm
G Wheelbase	3,000 mm
H Cab Height	3,310 mm
J Wheel Tread	1,950 mm
K Width Over Tires	2,470 mm
L Length with Bucket Down	7,565 mm
M Turn Angle, Either Side	38°
P Rear Angle of Departure	28°
R ₁ Turning Radius, Bucket Carry	6,520 mm
R ₂ Turning Radius, Outside of Tire	5,545 mm

TIRES

Tire Size	20.5 - 25
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OPERATING WEIGHTS

Operating Weight	12,480 kg
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SERVICE CAPACITY

Fuel Tank	190 L
Engine Oil	12 L
Cooling System	25 L
Hydraulic Reservoir	180 L
Transmission and Torque Converter	40 L
Front Axle	34 L
Rear Axle	34 L
DEF Tank	19 L

