



Engine	Yuchai YC6J175L-T20
Rated Power	129 kW (173 hp / 175 ps) @ 2,200 rpm
Operating Weight	14,100 kg
Standard Bucket Size	2.3 m ³
Standard Breakout Force	129 kN
Standard Dump Clearance	2,986 mm

842T WHEEL LOADER

ENGINE	
Emission Regulation	Tier 2 / Stage II
Manufacturer	Yuchai
Model	YC6J175L-T20
Rated Power	129 kW (173 hp / 175 ps) @ 2,200 rpm
Peak Torque	757 N·m @ 1,550 rpm
Displacement	6.5 L
Number of Cylinders	6
Aspiration	Turbocharged & Air-to-air intercooled

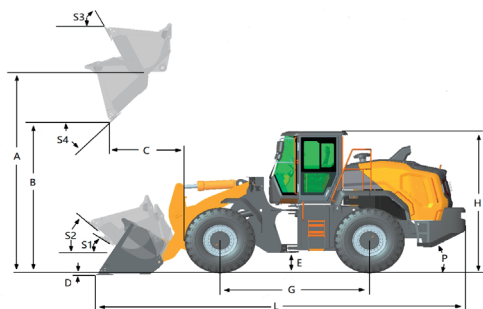
TRANSMISSION	
Transmission Type	Planetary, power shift
Torque Converter	Double stage, four elements
Maximum Travel Speed, fwd	40.5 km/h
Maximum Travel Speed, rev	18.4 km/h
Number of Speed, fwd	2
Number of Speed, rev	1

AXLES	
Differential Front Type	Conventional
Differential Rear Type	Conventional
Axle Oscillation	±12°

STEERING	
Steering Hydraulic System	Load sensing hydraulic steering
Steering Relief Pressure	17.2 MPa

BRAKES	
Service Brake Type	Caliper disc brake
Service Brake Actuation	Air over hydraulic
Parking Brake Type	Drum
Parking Brake Actuation	Mechanical

HYDRAULIC SYSTEM	
Main Pump Type	Gear
Main Relief Pressure	19 MPa
Raise	4.9 s
Dump Time	1.1 s
Float Down Time	3.1 s
Hydraulic Cycle Time	9.1 s



LOADER ARM PERFORMANCE WITH STANDARD BUCKET 2.3 m³	
Tipping Load - Straight (ISO 14397-1:2007)	10,300 kg
Tipping Load - Full Turn (ISO 14397-1:2007)	8,800 kg
Bucket Breakout Force	129 kN
A Maximum Hinge Pin Height	3,998 mm
B Dump Clearance at Full Height Discharge	2,986 mm
C Dump Reach at Full Height Discharge	955 mm
D Maximum Digging Depth, Bucket Level	38 mm
S ₁ Rollback at Ground Level	42 °
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	2.3-4.2 m³

DIMENSIONS	
E Ground Clearance	388 mm
G Wheelbase	3,000 mm
H Cab Height	3,340 mm
J Wheel Tread	1,950 mm
K Width over Tires	2,466 mm
L Length with Bucket Down	7,691 mm
M Turn Angle, Either Side	40 °
P Rear Angle of Departure	28 °
R ₁ Turning Radius, Bucket Carry	6,094 mm
R ₂ Turning Radius, Outside of Tire	5,195 mm
W Width over Bucket	5,478 mm

TIRES	
Tire Size	20.5-25 PR16

OPERATING WEIGHTS	
Operating Weight	14,100 kg

SERVICE CAPACITY	
Fuel Tank	190 L
Engine Oil	17 L
Cooling System	35 L
Hydraulic System	145 L
Transmission and Torque Converter	42 L
Axles, Front/Rear	29 L / 32 L

