



842T WHEEL LOADER

ENGINE

Emission Regulation	EPA Tier 2 / EU Stage II
Manufacturer	Yuchai
Model	YC6J175L
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

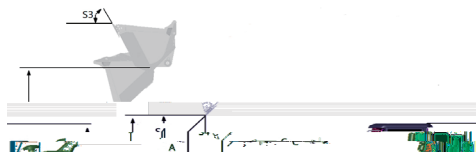
Steering Hydraulic System	Large displacement steering
Steering Relief Pressure	17.2 MPa

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 ³

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 m ³
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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	5,478 mm
W Width over Bucket	2,756 mm

TIRES

Tire Size	20.5-25 PR16
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OPERATING WEIGHTS

Operating Weight	14,100 kg
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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

