LiuGong

Shaping the Future Together

CLG842III

Tool Carrier

CE ISO9001
ISO14001

Meets EURO Stage IIIA & EPA Tier 3

Rated Power	193 hp (144 kW)@2200 rpm
Operating Weight	34923 lbs (15841 kg)
Bucket Capacity	3.0 yd^3 (2.3m^3)

LIUGONG CONSTRUCTION MACHINERY N.A., LLC
20823 Park Row
Katy, Texas 77449 USA
T: +1 281-579-8882
F: +1 281-579-8388
www.liugongna.com
Info@liugongna.com

Courtesy of Machine.Market

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Specifications

Basic Data

Bucket Capacity	3.0 yd^3 (2.3 m^3)
Operating Weight	34923 lbs (15841 kg)
Max. Breakout Force	26977 lbf (120 kN)
Static Tipping Load (Straight)	24901 lbf (11295 kg)
Static Tipping Load (Full Turn)	21378 lbf (9697 kg)

Engine

Model	Cummins QSB6.7:193 Tier 3
Type	6-cylinder, 4-cycle, turbocharged and water cooled, electronic controlled diesel engine
Rated Power	193 hp(144 kW)@2200 rpm
Rated Net Power	181hp(135 kW)@2200 rpm
Peak Net Power	186 hp(139 kW)@1800 rpm
Peak Torque	687 lb-ft(931 N.m)@1400 rpm
Displacement	409 in^3(6.7 L)
Tier Rating	EURO Stage IIIA & EPA Tier 3

Drivetrain

Torque Converter	Single-stage, three-element
Cooling	Cool pressure cycling method
Transmission	Countershaft, automatic shift transmission, 4F/3R with electronic control

Travel Speeds (mph (km/h))

	Gear 1	Gear2	Gear3	Gear4
Forward	4.9 (7.9)	8.9 (14.4)	18.3 (29.5)	28.9 (46.5)
Reverse	4.9 (7.9)	8.9 (14.4)	18.3 (29.5)	

Axles

Main Reducer	Single-stage reduction
Final Reducer	Heavy-duty planetary reduction
Differential	Limited slip on front and rear axles
Oscillation Angle, each side	13 Deg.

Brake System

Service Brakes	Full hydraulic wet multiple disc brake, all 4 wheels
Parking Brake	Auto and manual electronic controlled
Emergency Brake:	Using parking brake, the brake will automatically/manually apply. Equipped with low-pressure warning and emergency braking warning system.

Electrical System

System Voltage	24 V
Starter Motor	24 V

Tires

20.5R25, L-3

Steering System

Type	Articulated frame, full hydraulic power steering
No. of Steering Cylinders	2
Steering Pump	Vane pump
Relief Pressure	2500 psi (17 MPa)
Steering Angle, each Side	40 Deg.

Hydraulic System

Main Pump	Vane pump
Pump Flow	72 gal/min(272L/min)
Relief Pressure	2900 psi (20 MPa)
Pilot System Relief Pressure	560 psi (3.88 MPa)

Hydraulic Cycle Time, Rated Load in Bucket (in Second)

Raise (loaded)	Dump	Lower (empty, float down)	Total
5.8	2.8	3.8	12.4

Capacities

Fuel Tank	63 gal (240 L)
Hydraulic Tank	63 gal (240 L)
Crankcase	5.8 gal (22 L)
Transmission	11.9 gal (45 L)
Different & Final Drivers-Front	9.2 gal (35 L)
Different & Final Drivers-Rear	9 gal (34 L)

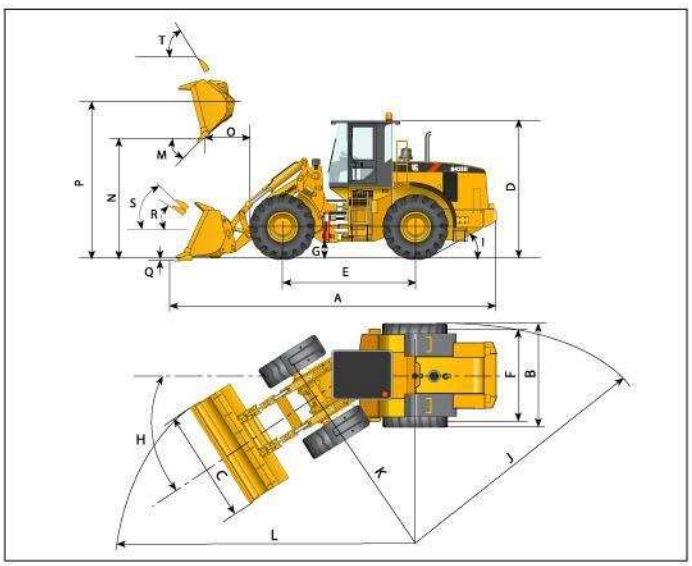
Equipment

● Standard ▲ Optional

- ● Cummins QSB 6.7
- ● Alarm, back up
- ● Starting and charging system (24volt)
- ● Cab (Rops&Fops), sound suppressed
- ● Cigar lighter and ashtray
- ● Seat belt, 3" width
- ● Single joystick
- ● Adjustable boom lift kick-out and bucket return to dig
- ● Joystick pilot valve and auxiliary pilot valve
- ● Reversible fan
- ● Tires, Radial 20.5R25
- ● Additional counter weight
- ● Main valve, 3 spool and auxiliary pipe
- ● Quick bucket 3.0yd^3 (2.3m^3)
- ● Flashing beacon
- ● AM/FM Radio
- ▲ Emergency steering
- ▲ Fenders, full rear
- ▲ Quick jib
- ● ZF 4WG200 transmission automatic shift
- ● Batteries, maintenance free
- ● Climate control system
- ● Lunchbox and cup holder
- ● Steering column, tiltable, telescopic
- ● Ride control
- ● Quick coupler
- ● Boom braces
- ● Tire chocks
- ● Tool Carrier
- ● Quick pallet fork, fork length 5ft (1520mm)
- ▲ Quick pallet fork, fork length 6ft5in (1970mm)
- ▲ Automatic lubrication system
- ▲ Portable icebox
- ▲ Converter (12 volt 8 amp)
- ▲ Seat, air suspension
- ▲ Rear view camera

Dimensions (mm)

A. Length with bucket down	25ft9in	7846mm
B. Width over tires	8ft2in	2479mm
C. Width over bucket	8ft9in	2660mm(with teeth 2727)
D. Height to top of cab	11ft2in	3410mm
E. Wheelbase	9ft10in	3000mm
F. Wheel tread, c to c	6ft5in	1950mm
G. Ground clearance	16in	410mm
H. Turn angle, either side	40 Deg.	40 Deg.
I. Rear angle of departure	30 Deg.	30 Deg.
J. Turning radius, outside of tire	17ft7in	5360mm
K. Turning radius, center of tire	16ft9in	5095mm
L. Turning radius, bucket carry	20ft1in	6123mm
M. Max. dump angle at full height	45 Deg.	45 Deg.
N. Dump clearance at full height discharge	9ft4in	2844mm
O. Dump reach at full height discharge	3ft9in	1142mm
P. Max. hinge pin height	13ft2in	4015mm
Q. Max. digging depth, bucket level	2in	56mm
R. Bucket rollback at ground level	46 Deg.	46 Deg.
S. Bucket rollback at carry	52Deg.	52 Deg.
T. Bucket rollback at max. height	56Deg.	56 Deg.



Specifications and design are subject to change without prior notice.
Machines shown may include optional equipment.

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