950E
EXCAVATOR

Engine
Cummins QSG12 Tier 4 Final

Gross Power
400 hp (298 kW)

Operating Weight
108,467 lb (49,200 kg)

Bucket Capacity
2.88 yd³ (2.2 m³)

Maximum Digging Depth
25 ft 9 in (7,860 mm)
ENGINE
Emissions rating EPA Tier 4 Final / Stage IV
Make Cummins
Model QSG12
Gross power 400 hp (298 kW) @ 2,100 rpm
Net power 378 hp (282 kW) @ 2,100 rpm
Peak torque 1,500 lb-ft @ 1,400 rpm
2,034 N-m @ 1,400 rpm
Number of cylinders 6
Displacement 720 in³ (11.8 L)

DRIVE AND BRAKES
Max. travel speed High: 3.4 mph (5.5 km/h)
Low: 2.1 mph (3.3 km/h)
Max. drawbar pull 71,939 lbf (320 kN)

UNDERCARRIAGE
Shoe width, triple grouser 31.5 in (800 mm)
Track shoes each side 51
Bottom rollers each side 9
Top rollers each side 2

HYDRAULIC SYSTEM
Main pumps total flow 2 × 100 gal/min (380 L/min)
Relief pressure, implement 4,685 psi (32.3 MPa)
Relief pressure, power boost 5,120 psi (35.3 MPa)

950E WITH 800 MM (31.5 IN) SHOES, 3.38 M (11 FT 1 IN) ARM
Conditions:
Boom length: 23 ft 2 in (7.06 m)
Arm length: 11 ft 1 in (3.38 m)
Counterweight: 19,842 lb (9,000 kg)
Shoes: 800 mm (31.5 in) triple grouser
Bucket: SAE 2.2 m³ (2.88 yd³) 2,092 kg (4,612 lb)

REFERENCE ARM
Arm length 11 ft 1 in (3.38 m)
Arm digging force, (ISO) - Power Boost 64,745 lbf (288 kN)

WORKING RANGES
Maximum digging depth 25 ft 9 in (7,860 mm)
Maximum digging reach at ground level 38 ft 9 in (11,810 mm)
Maximum digging depth 2.4 m (8 ft) level bottom 25 ft 4 in (7,715 mm)
Maximum digging height 35 ft 5 in (10,785 mm)
Maximum dumping height 24 ft 8 in (7,520 mm)
Maximum vertical wall digging depth 21 ft 1 in (6,435 mm)

BUCKET PERFORMANCE
Bucket capacity 2.88 yd³ (2.2 m³)
Bucket digging force, (ISO) - Power Boost 50,582 lbf (225 kN)

SERVICE CAPACITIES
Fuel tank 172 gal (650 L)
Engine oil 9.0 gal (34 L)
Final drive (each) 4.0 gal (15 L)
Swing drive 2 x 1.4 gal (5.3 L)
Cooling system 8.7 gal (33 L)
Hydraulic reservoir 77 gal (290 L)
DEF tank 15.0 gal (56.8 L)

SWING SYSTEM
Swing speed 8.5 rpm
Swing torque 165,300 N-m (121,919 lb-ft)

DIMENSIONS
A 39 ft 7 in (12,062 mm)
B 12 ft 1 in (3,690 mm)
C 9 ft 0 in (2,740 mm)
D 11 ft 7 in (3,540 mm)
E 14 ft 0 in (4,257 mm)
F 17 ft 3 in (5,256 mm)
G 10 ft 5 in (3,170 mm)
H 11 ft 11 in (3,640 mm)
I 4 ft 4 in (1,324 mm)
J 10 ft 10 in (3,307 mm)
K 1 ft 9 in (532 mm)
L 31.5 in (800 mm)

1. * Indicates the load is limited by hydraulic capacity rather then the tipping capacity.
2. The above loads are in compliance with the ISO 10567 hydraulic rating standard. They do not exceed 87% of the hydraulic lifting capacity of 75% tipping load.
3. Rating at bucket lift hook.

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