

SPECIFICATIONS

Operating weight	36,200 kg (79,807 lb)
Operating weight includes coolant, lubricants, full fuel tank, cab, standard shoes, boom, arm, bucket and operator 75 kg (165 lb).	
Bucket capacity	1.6-1.9 m³ (2.09-2.49 yd³)

ENGINE

Description

Cummins EPA Tier 4 final / EU Stage IV, 6-cylinder straight Variable-Geometry Turbocharger (VGT), high pressure common rail, electronically controlled direct injection. Air cleaner: Cummins direct flow air filter. Cooling system: Air-to-air intercooler.

Emission rating	EPA Tier 4 final / EU Stage IV
Engine manufacturer	Cummins
Engine model	QSL9
Aspiration	Variable-Geometry Turbocharger (VGT)
Charged air cooling	Aftercooler
Cooling fan drive	Viscous clutch
Displacement	8.9 L (2.35 gal) 8,900 cm ³ (543 in ³)
Rated speed	2,000 rpm
Engine output - net (SAE J1349 / ISO 9249)	209 kW (280 hp)
Engine output - gross (SAE J1995 / ISO 14396)	221 kW (296 hp)
Maximum torque	1,451 N·m (1,070 lbf·ft) @1,400 rpm
Bore × Stroke	114 × 145 mm (4.5" × 5.7")

UNDERCARRIAGE

Track shoe each side	48
Link pitch	216 mm (8.5")
Shoe width, triple grouser	600/700/800/900 mm (24"/28"/32"/35")
Bottom rollers each side	9
Top rollers each side	2

SWING SYSTEM

Description

Planetary gear reduction driven by high torque axial piston motor, with oil disk brake. Swing parking brake resets within five seconds after swing pilot controls return to neutral.

Swing speed	10 rpm
Swing torque	111,000 N·m (81,132 lbf·ft)

HYDRAULIC SYSTEM

Main pump

Type	Two variable displacement piston pumps
Maximum flow	2 × 300 L/min (2 × 79.3 gal/min)

Pilot pump

Type	Gear pump
Maximum flow	19 L/min (5 gal/min)

Relief valve setting

Implement	34.3/37.3 MPa (4,975 / 5,410 psi)
Travel circuit	34.3 MPa (4,975 psi)
Slew circuit	26.2 MPa (3,800 psi)
Pilot circuit	3.9 MPa (566 psi)

Hydraulic cylinders

Boom Cylinder – Bore × Stroke	Φ140 × 1,505 mm (Φ5.5" × 4' 11")
Stick Cylinder – Bore × Stroke	Φ170 × 1,785 mm (Φ6.7" × 5' 10")
Bucket Cylinder – Bore × Stroke	Φ145 × 1,220 mm (Φ5.7" × 4')

ELECTRIC SYSTEM

System Voltage	24 V
Batteries	2 x 12 V
Alternator	24 V - 70 A
Start motor	24 V - 7.8 kW (24 V - 10.5 hp)

SERVICE CAPACITIES

Fuel tank	620 L (163.8 gal)
Engine oil	30 L (7.9 gal)
Final drive (each)	9.5 L (2.5 gal)
Swing drive	10.5 L (2.8 gal)
Cooling system	37 L (9.8 gal)
Hydraulic reservoir	240 L (63.4 gal)
Hydraulic system total	450 L (118.9 gal)
DEF tank	35 L (9.2 gal)

SOUND PERFORMANCE

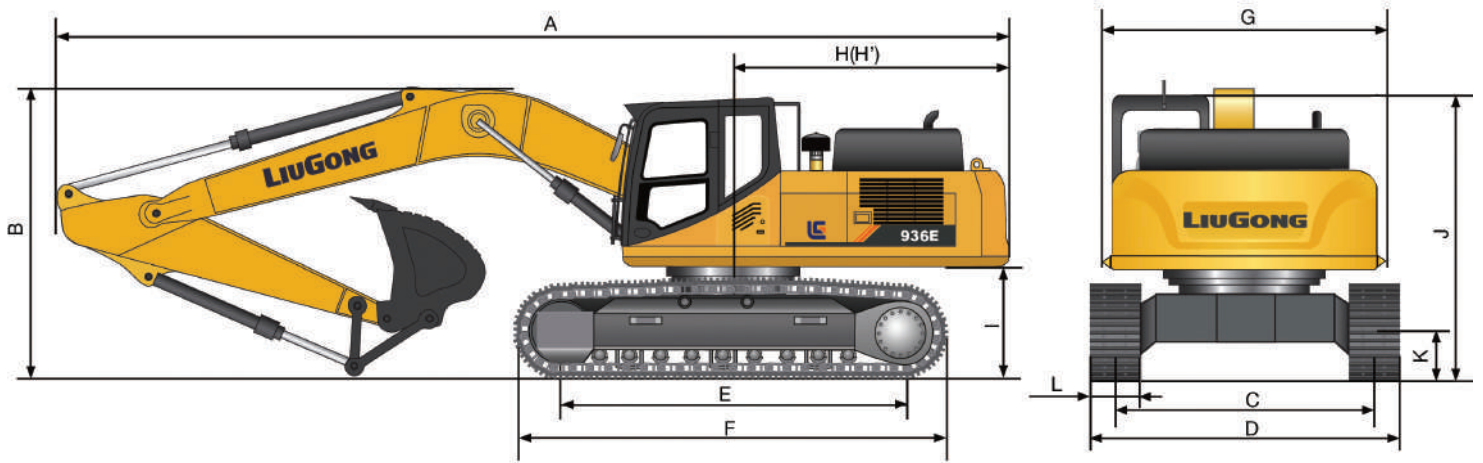
Interior Sound Power Level (ISO 6396)	75 dB(A)
Exterior Sound Power Level (ISO 6395)	105 dB(A)

DRIVE AND BRAKES

Description

2-speed axial piston motors with oil disk brakes. Steering controlled by two hand levers with pedals.

Max. travel speed	High: 5.5 km/h (3.4 mph) Low: 3.4 km/h (2.1 mph)
Gradeability	35°/70%
Max. drawbar pull	320 kN (71,939 lbf)



DIMENSIONS

Boom	6,400 mm (21')	
Arm Options	3,200 mm (10' 6")	2,600 mm (8' 6")
A Shipping Length	11,167 mm (36' 8")	11,350 mm (37' 3")
B Shipping Height – Top of Boom	3,530 mm (11' 7")	3,800 mm (12' 6")
C Track Gauge	2,590 mm (8' 6")	
D Undercarriage Width – with 600 mm Shoes	3,190 mm (10' 6")	
700 mm Shoes	3,290 mm (10' 10")	
800 mm Shoes	3,390 mm (11' 1")	
900 mm Shoes	3,490 mm (11' 5")	
E Length to Center of Rollers	4,050 mm (13' 3")	
F Track Length	4,944 mm (16' 3")	
G Overall Width of Upper Structure	3,163 mm (10' 5") (including protective side beam)	
H Tail Swing Radius	3,500 mm (11' 6")	
I Counterweight Ground Clearance	1,172 mm (3' 10")	
J Overall Height of Cab	3,318 mm (10' 11") (with protective equipment)	
K Min. Ground Clearance	532 mm (1' 9")	
L Track Shoe Width	600 mm (24")	

BOOM DIMENSIONS

Boom	6,400 mm (21')
Length	6,692 mm (21' 11")
Height	1,980 mm (6' 6")
Width	813 mm (2' 8") with boom hinge pin 1,025 mm (3' 4")
Weight	3,250 kg (7,165 lb)

Cylinder, piping and pin included.
Boom cylinder pin excluded.

ARM DIMENSIONS

Arm	3,200 mm (10' 6")	2,600 mm (8' 6")
Length	4,376 mm (14' 4")	3,873 mm (12' 8")
Height	1,055 mm (3' 6")	1,155 mm (3' 9")
Width	652 mm (2' 2") (with hinge pin)	655 mm (2' 2") (with hinge pin)
Weight	1,880 kg (4,145 lb)	1,730 kg (3,814 lb)

Cylinder, linkage and pin included.

BUCKET SELECTION GUIDE

Bucket type	Capacity	Cutting width	Weight	Teeth pcs	6.4 m (21') HD Boom	
					3.2 m (10' 6") Arm	2.6 m (9' 6") Arm
General purpose	1.6 m ³ (2.1 yd ³)	1,520 mm (5')	1,915 kg (4,222 lb)	5	B	C
	1.9 m ³ (2.5 yd ³)	1,660 mm (5' 5")	2,045 kg (4,508 lb)	5	NA	B
Heavy Duty	1.6 m ³ (2.1 yd ³)	1,520 mm (5')	1,915 kg (4,222 lb)	5	C	D
	1.9 m ³ (2.5 yd ³)	1,660 mm (5' 5")	2,045 kg (4,508 lb)	5	NA	C

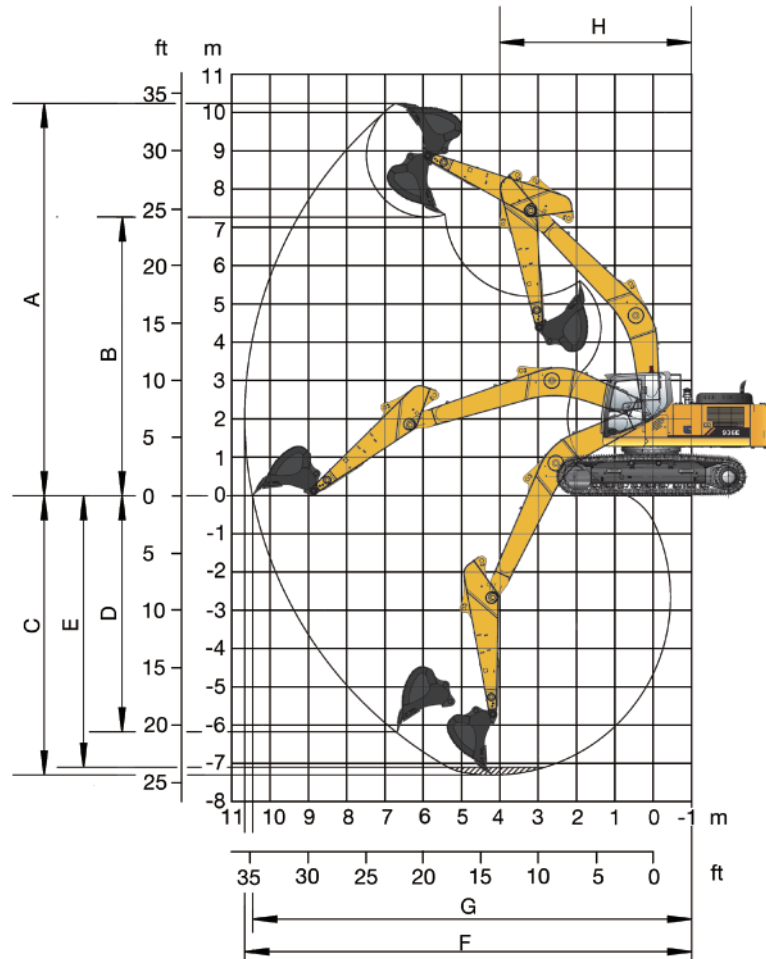
The recommendations are given as a guide only, based on typical operation conditions. Bucket capacity based on ISO 7451, heaped material with a 1:1 angle of repose.

Maximum material density:

- A 1,200–1,300 kg/m³ (2,023–2,191 lb/yd³): Coal, Caliche, Shale
- B 1,400–1,600 kg/m³ (2,360–2,697 lb/yd³): Wet earth and clay, limestone, sandstone
- C 1,700–1,800 kg/m³ (2,865–3,034 lb/yd³): Granite, wet sand, well blasted rock
- D 1,900 kg/m³ (3,203 lb/yd³): Wet mud, Iron ore
- NA. Not applicable

MACHINE WEIGHTS AND GROUND PRESSURE

	Operating weight	Ground pressure	Overall width	Operating weight	Ground pressure	Overall width
Shoe width	6.4 m (21') boom, 3.2 m (10' 6") arm, 1.6 m ³ (2.1 yd ³) bucket, 6,500 kg (14,330 lb) counterweight (other systems are standard configuration)			6.4 m (21') boom, 2.6m (8' 6") arm, 1.9 m ³ (2.5 yd ³) bucket, 6,500 kg (14,330 lb) counterweight (other systems are standard configuration)		
600 mm (24")	36,200 kg (79,807 lb)	67.5 kPa (9.8 psi)	3,190 mm (10' 6")	36,200 kg (79,807 lb)	67.5 kPa (9.8 psi)	3,190 mm (10' 6")
700 mm (28")	36,400 kg (80,248 lb)	58.2 kPa (8.4 psi)	3,290 mm (10' 10")	36,400 kg (80,248 lb)	58.2 kPa (8.4 psi)	3,290 mm (10' 10")
800 mm (32")	36,603 kg (80,696 lb)	51.2 kPa (7.4 psi)	3,390 mm (11' 1")	36,603 kg (80,696 lb)	51.2 kPa (7.4 psi)	3,390 mm (11' 1")
900 mm (35")	36,785 kg (81,097 lb)	45.7 kPa (6.6 psi)	3,490 mm (11' 5")	36,785 kg (81,097 lb)	45.7 kPa (6.6 psi)	3,490 mm (11' 5")



WORKING RANGE

Boom Length	6,400 mm (21')	
Arm Length	3,200 mm (10' 6")	2,600 mm (8' 6")
A. Max. cutting height	10,240 mm (33' 7")	9,830 mm (32' 3")
B. Max. dumping height	7,160 mm (23' 6")	6,900 mm (22' 8")
C. Max. digging depth	7,340 mm (24' 1")	6,730 mm (22' 1")
D. Max. vertical wall digging depth	6,460 mm (21' 2")	4,430 mm (14' 6")
E. Max. digging depth 2.44 m (8') level	7,180 mm (23' 7")	6,530 mm (21' 5")
F. Max. digging reach	11,100 mm (36' 5")	10,560 mm (34' 8")
G. Max. digging reach on ground	10,900 mm (35' 9")	10,350 mm (33' 11")
H. Min. front swing radius	4,465 mm (14' 8")	4,700 mm (15' 5")
Bucket Digging Force (ISO)	Normal	232 kN (52,156 lbf)
	Power Boost	252 kN (56,652 lbf)
Stick Digging Force (ISO)	Normal	170 kN (38,218 lbf)
	Power Boost	185 kN (41,590 lbf)
Bucket Capacity	1.6 m ³ (2.1 yd ³)	1.9 m ³ (2.5 yd ³)
Bucket Tip Radius	1,687 mm (5' 6")	1,687 mm (5' 6")

Lifting capacity at the arm end without bucket.
For lifting capacity including bucket, weight of the bucket or the bucket with quick coupler must be deducted from the lifting capacities.

Lifting capacities are based on the machine standing on a firm, uniform supporting surface.



Rating over - front (Cf) Rating over - side (Cs)

1. Do not attempt to lift or hold any load that is greater than these rated values at their specified load radius and height. Weight of all accessories must be deducted from the above lifting capacities.
2. The rated loads are in compliance with ISO 10567 Hydraulic Excavator Lift Capacity Rating Standard. They do not exceed 87% of hydraulic lifting capacity or 75% tipping load.
3. Ratings at bucket lift hook.

4. Lifting capacities are based on machine standing on level, firm and uniform ground.
5. *Indicates the load is limited by hydraulic capacity rather than tipping capacity.
6. Operator should be fully acquainted with the Operator's and Maintenance Instructions before operating this machine and rules for the safe operation of equipment should be adhered to at all times.

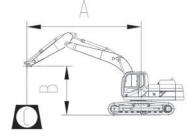
LIFTING CAPACITY (METRIC)

936E with 600 mm shoes, 3,200 mm arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side

Conditions

Boom length: 6,400 mm
Arm length: 3,200 mm
Bucket: None
Counterweight: 6,500 kg
Shoes: 600 mm triple grouser
Unit: kg



A (Unit: m)

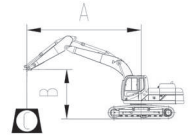
B (m)	A (Unit: m)												A (m)
	3		4.5		6		7.5		9		MAX REACH		
6							7,900*	6,654			7,822*	5,874	8.2
4.5					9,491*	8,983	8,368*	6,472			7,889*	5,153	8.8
3			14,550*	12,598	10,846*	8,481	9,043*	6,224	7,870	4,784	7,870	4,784	9.1
1.5			16,691*	11,757	12,045*	8,038	9,689*	5,987	7,752	4,677	7,752	4,677	9.1
0			17,386*	11,404	12,725*	7,760	9,881	5,820	7,678	4,610	7,678	4,610	9.1
- 1.5	23,538*	21,866	16,950*	11,356	12,716*	7,659	9,810	5,757			8,414	5,014	8.5
- 3	20,982*	20,982*	15,528*	11,501	11,861*	7,720	9,086*	5,837			9,086*	5,837	7.6
- 4.5	16,690*	16,690*	12,745*	11,843	9,560*	7,985					8,900*	7,516	6.4

936E with 600 mm shoes, 2,600 mm arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side

Conditions

Boom length: 6,400 mm
Arm length: 2,600 mm
Bucket: None
Counterweight: 6,500 kg
Shoes: 600 mm triple grouser
Unit: kg



A (Unit: m)

B (m)	A (Unit: m)										A (m)
	4.5		6		7.5		9		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
6			9,319*	9,319*	8,627*	6,724	8,577*	6,128	8,577*	6,128	7.9
4.5	13,273*	13,273*	10,410*	9,031	9,029*	6,558	8,553*	5,400	8,553*	5,400	8.5
3			11,712*	8,546	9,643*	6,327	8,279	5,031	8,279	5,031	8.8
1.5			12,739*	8,161	10,186*	6,119	8,139	4,918	8,139	4,918	8.9
0	17,677*	11,726	13,154*	7,955	10,155	5,990	8,383	5,037	8,383	5,037	8.6
- 1.5	16,749*	11,784	12,835*	7,919	10,096*	5,975	9,084*	5,453	9,084*	5,453	8.1
- 3	14,900*	11,994	11,580*	8,044			9,076*	6,378	9,076*	6,378	7.3
- 4.5	11,474*	11,474*					8,535*	8,535*	8,535*	8,535*	5.9

Lifting capacity at the arm end without bucket.
For lifting capacity including bucket, weight of the bucket or the bucket with quick coupler must be deducted from the lifting capacities.

Lifting capacities are based on the machine standing on a firm, uniform supporting surface.



Rating over - front (Cf)



Rating over - side (Cs)

1. Do not attempt to lift or hold any load that is greater than these rated values at their specified load radius and height. Weight of all accessories must be deducted from the above lifting capacities.
2. The rated loads are in compliance with ISO 10567 Hydraulic Excavator Lift Capacity Rating Standard. They do not exceed 87% of hydraulic lifting capacity or 75% tipping load.
3. Ratings at bucket lift hook.
4. Lifting capacities are based on machine standing on level, firm and uniform ground.
5. *Indicates the load is limited by hydraulic capacity rather than tipping capacity.
6. Operator should be fully acquainted with the Operator's and Maintenance Instructions before operating this machine and rules for the safe operation of equipment should be adhered to at all times.

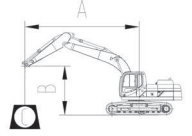
LIFTING CAPACITY (METRIC)

936E with 800 mm shoes, 3,200 mm arm

Conditions

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side

Boom length: 6,400 mm
Arm length: 3,200 mm
Bucket: None
Counterweight: 6,500 kg
Shoes: 800 mm triple grouser
Unit: kg



A (Unit: m)

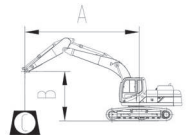
B (m)	A (Unit: m)												A (m)
	3		4.5		6		7.5		9		MAX REACH		
6							7,949*	7,053			7,828*	6,120	8.2
4.5					9,658*	9,483	8,469*	6,853			7,912*	5,382	8.8
3			14,925*	13,302	11,056*	8,964	9,178*	6,593	8,128*	5,086	8,078*	5,004	9.1
1.5			17,052*	12,461	12,273*	8,514	9,845*	6,348	8,209	4,970	7,717	4,895	9.1
0			17,697*	12,120	12,952*	8,234	10,255*	6,177	8,124	4,893	7,888	4,826	9.1
- 1.5	23,817*	23,817*	17,231*	12,079	12,942*	8,133	10,206*	6,109			8,628	5,240	8.5
- 3	21,312*	21,312*	15,813*	12,225	12,110*	8,191	9,363*	6,178			9,186*	6,082	7.6
- 4.5	17,116*	17,116*	13,100*	12,559	9,940*	8,440					9,102*	7,783	6.4

936E with 800 mm shoes, 2,600 mm arm

Conditions

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side

Boom length: 6,400 mm
Arm length: 2,600 mm
Bucket: None
Counterweight: 6,500 kg
Shoes: 800 mm triple grouser
Unit: kg



A (Unit: m)

B (m)	A (Unit: m)										A (m)
	4.5		6		7.5		9		MAX REACH		
6			9,319*	9,319*	8,627*	6,956	8,575*	6,398	8,575*	6,398	7.9
4.5	13,273*	13,273*	10,410*	9,337	9,029*	6,789	8,560*	5,630	8,560*	5,630	8.5
3			11,712*	8,852	9,643*	6,559	8,603	5,248	8,603	5,248	8.8
1.5			12,739*	8,466	10,186*	6,351	8,499	5,154	8,499	5,154	8.8
0	17,677*	12,174	13,154*	8,260	10,421*	6,222	8,712	5,254	8,712	5,254	8.6
- 1.5	16,749*	12,233	12,835*	8,225	10,096*	6,207	9,103*	5,672	9,103*	5,672	8.1
- 3	14,900*	12,443	11,580*	8,349			9,192*	6,670	9,192*	6,670	7.2
- 4.5	11,474*	11,474*					8,748*	8,748*	8,748*	8,748*	5.8

Lifting capacity at the arm end without bucket.
 For lifting capacity including bucket, weight of the bucket or the bucket with quick coupler must be deducted from the lifting capacities.
 Lifting capacities are based on the machine standing on a firm, uniform supporting surface.



Rating over - front (Cf) Rating over - side (Cs)

1. Do not attempt to lift or hold any load that is greater than these rated values at their specified load radius and height. Weight of all accessories must be deducted from the above lifting capacities.
2. The rated loads are in compliance with ISO 10567 Hydraulic Excavator Lift Capacity Rating Standard. They do not exceed 87% of hydraulic lifting capacity or 75% tipping load.
3. Ratings at bucket lift hook.
4. Lifting capacities are based on machine standing on level, firm and uniform ground.
5. *Indicates the load is limited by hydraulic capacity rather than tipping capacity.
6. Operator should be fully acquainted with the Operator's and Maintenance Instructions before operating this machine and rules for the safe operation of equipment should be adhered to at all times.

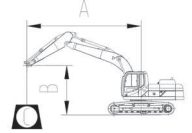
LIFTING CAPACITY (IMPERIAL)

936E with 24" shoes, 10' 6" arm

A: Load radius
 B: Load point height
 C: Lifting capacity rating
 Cf: Rating loads over front
 Cs: Rating loads over side

Conditions

Boom length: 21'
 Arm length: 10' 6"
 Bucket: None
 Counterweight: 14,330 lb
 Shoes: 24" triple grouser
 Unit: lb



A (Unit: ft)

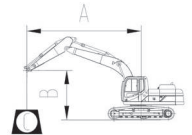
B (ft)	A (Unit: ft)										A (m)	
	10	15		20		25		30		MAX REACH		
20						17,416*	14,669			17,245*	12,950	27
15				20,924*	19,804	18,448*	14,268			17,392*	11,360	29
10		32,077*	27,774	23,911*	18,697	19,936*	13,722	17,350	10,547	17,350	10,547	30
5		36,797*	25,920	26,555*	17,720	21,361*	13,199	17,090	10,311	17,090	10,311	30
0		38,330*	25,141	28,054*	17,107	21,784	12,831	16,927	10,163	16,927	10,163	30
- 5	51,892*	48,206	37,368*	25,035	28,034*	16,885	21,627	12,692		18,550	11,054	28
- 10	46,257*	46,257*	34,233*	25,355	26,149*	17,019	20,031*	12,868		20,031*	12,868	25
- 15	36,795*	36,795*	28,098*	26,109	21,076*	17,603				19,621*	16,570	21

936E with 24" shoes, 8'6" arm

A: Load radius
 B: Load point height
 C: Lifting capacity rating
 Cf: Rating loads over front
 Cs: Rating loads over side

Conditions

Boom length: 21'
 Arm length: 8' 6"
 Bucket: None
 Counterweight: 14,330 lb
 Shoes: 24" triple grouser
 Unit: lb



A (Unit: ft)

B (ft)	A (Unit: ft)										A (m)
	15		20		25		30		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
20			20,545*	20,545*	19,019*	14,824	18,909*	13,510	18,909*	13,510	26
15	29,262*	29,262*	22,950*	19,910	19,906*	14,458	18,856*	11,905	18,856*	11,905	28
10			25,821*	18,841	21,259*	13,949	18,252	11,091	18,252	11,091	29
5			28,085*	17,992	22,456*	13,490	17,943	10,842	17,943	10,842	29.1
0	38,971*	25,851	29,000*	17,538	22,388	13,206	18,481	11,105	18,481	11,105	28.3
- 5	36,925*	25,979	28,296*	17,458	22,258*	13,173	20,027*	12,022	20,027*	12,022	26.6
- 10	32,849*	26,442	25,529*	17,734			20,009*	14,061	20,009*	14,061	23.8
- 15	25,296*	25,296*					18,816*	18,816*	18,816*	18,816*	19.3

Lifting capacity at the arm end without bucket.
For lifting capacity including bucket, weight of the bucket or the bucket with quick coupler must be deducted from the lifting capacities.
Lifting capacities are based on the machine standing on a firm, uniform supporting surface.



Rating over - front (Cf)



Rating over - side (Cs)

1. Do not attempt to lift or hold any load that is greater than these rated values at their specified load radius and height. Weight of all accessories must be deducted from the above lifting capacities.
2. The rated loads are in compliance with ISO 10567 Hydraulic Excavator Lift Capacity Rating Standard. They do not exceed 87% of hydraulic lifting capacity or 75% tipping load.
3. Ratings at bucket lift hook.

4. Lifting capacities are based on machine standing on level, firm and uniform ground.
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6. Operator should be fully acquainted with the Operator's and Maintenance Instructions before operating this machine and rules for the safe operation of equipment should be adhered to at all times.

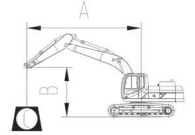
LIFTING CAPACITY (IMPERIAL)

936E with 32" shoes, 10' 6" arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side

Conditions

Boom length: 21'
Arm length: 10' 6"
Bucket: None
Counterweight: 14,330 lb
Shoes: 32" triple grouser
Unit: lb



A (Unit: ft)

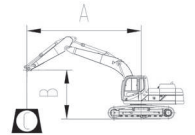
B (ft)	A (Unit: ft)										MAX REACH	A (m)	
	10	15	20	25	30	35	40	45	50	55			
20						17,525*	15,549				17,258*	13,492	27
15			21,292*	20,906	18,671*	15,108					17,443*	11,865	29
10		32,904*	29,326	24,374*	19,762	20,234*	14,535	17,919*	11,212	17,809*	11,032	30	
5		37,593*	27,471	27,057*	18,770	21,704*	13,995	18,097	10,957	17,013	10,791	30	
0		39,015*	26,720	28,554*	18,152	22,608*	13,618	17,910	10,787	17,390	10,639	30	
- 5	52,507*	52,507*	37,988*	26,629	28,532*	17,930	22,500*	13,468		19,021	11,552	28	
- 10	46,985*	46,985*	34,862*	26,951	26,698*	18,058	20,642*	13,620		20,252*	13,408	25	
- 15	37,734*	37,734*	28,881*	27,687	21,914*	18,607				20,066*	17,158	21	

936E with 32" shoes, 8'6" arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side

Conditions

Boom length: 21'
Arm length: 8' 6"
Bucket: None
Counterweight: 14,330 lb
Shoes: 32" triple grouser
Unit: lb



A (Unit: ft)

B (ft)	A (Unit: ft)										MAX REACH	A (m)
	15		20		25		30		35			
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs		
20			20,544*	20,544*	19,019*	15,335	18,904*	14,105	18,904*	14,105	25.9	
15	29,261*	29,261*	22,950*	20,584	19,905*	14,967	18,871*	12,412	18,871*	12,412	27.9	
10			25,820*	19,515	21,259*	14,460	18,966	11,569	18,966	11,569	28.9	
5			28,084*	18,664	22,456*	14,001	18,737	11,362	18,737	11,362	28.9	
0	38,971*	26,839	28,999*	18,210	22,974*	13,717	19,206	11,583	19,206	11,583	28.2	
- 5	36,925*	26,969	28,296*	18,133	22,257*	13,684	20,068*	12,504	20,068*	12,504	26.6	
- 10	32,849*	27,432	25,529*	18,406			20,264*	14,704	20,264*	14,704	23.6	
- 15	25,295*	25,295*					19,286*	19,286*	19,286*	19,286*	19	

STANDARD EQUIPMENT

ENGINE SYSTEM

- Cummins diesel engine, turbocharged, inline 6-cylinder, 4 stroke, water cooled
- Auto-idle speed control
- Air filter with pre-cleaner
- Engine oil filter
- Pre-filter with water separator
- Radiator, oil cooler and intercooler
- IPC (Intelligent Power Control) System
- Engine overheating prevention system

DRIVETRAIN

- Hydraulic motor, one-piece two-gear piston and reducer
- 2-speed travel system with automatic shift

SWING SYSTEM

- High-torque piston swing motor with integral spring set and automatic hydraulic release swing brake

HYDRAULIC SYSTEM

- Main pump: two variable displacement piston pumps, ready for PTO
- Pilot pump: gear
- Cylinders: boom, stick, bucket
- Power boost function
- Boom and arm regeneration circuits
- Pilot oil filter
- Load holding valve
- Pilot control shut-off lever

- Hose burst safety valves, prevention of boom or arm supply dropped when the lines split (2 mounted on boom cylinders, 1 on arm cylinder)
- 6-working mode selection system: Power, Economy, Fine, Lifting, Breaker, Attachment

DIGGING EQUIPMENT

- 6,400 mm (21') boom
- 3,200 mm (10' 6") arm
- 1.6 m³ (2.09 yd³) (SAE, heaped) bucket

OPERATOR STATION

- Pressurized and sealed cab with all-around visibility, large roof window with slide sliding sun visor, front window wiper and removable lower window
- Roll-Over Protective System (ROPS)
- Skylight rooftop
- Air conditioner, heater, defroster
- Swing parking brake
- AM/FM radio with MP3 audio jack
- Glass-breaking hammer
- Ashtray, cigarette lighter
- Cup holder
- Floor mat
- Storage box
- Front glass lower guard
- Fire extinguisher
- Rear view mirrors
- One key for all locks

INSTRUMENTATION

- Color LCD monitor with alarms, filter/fluid change, fuel rate, water temperature, work mode, fault code, working hour, etc.
- Fuel gauge
- Hydraulic oil level gauge

ELECTRICAL

- Alternator 70 A
- Dual batteries 12 V
- Working lights, 1 frame mounted, 2 boom mounted
- Starting, 24 V

UNDERCARRIAGE

- 600 mm (24") track-shoes with triple grousers
- 2 piece track-guards (each side)
- Towing eye on base frame

GUARDS

- Belly guards
- Cover plate under travel frame
- Track shields

OTHER STANDARD EQUIPMENT

- 6,500 kg (14,330 lb) counterweight
- Maintenance tool kit
- Maintenance parts package

OPTIONAL EQUIPMENT

ENGINE SYSTEM

- Electrical fuel refilling pump

HYDRAULIC SYSTEM

- Control pattern change valve
- Hydraulic lines:
 - Breaker & shear
 - Slope & rotator
 - Grapple
 - Oil drain line
 - Quick coupler
- Hydraulic quick coupler
- Overloading valve
- Cushion valve

OPERATOR STATION

- Power outlet 24 V to 12 V converter
- 4 LED cab top lights
- Working lights on cab (2 on top-front cab)
- Rear view camera 5.7" monitor
- Air suspension seat
- Control joysticks with 2 switch & 1 proportional
- Safety net for front window
- Rain visor
- Travel alarm
- Rotating beacon
- Operation protection guard (included cab front and top guard, bar)
- Operation protection screen (on cab front, net)
- Operation protection screen (front-lower)

UPPER STRUCTURE

- Upper frame protection (wire)
- Belly guard and 8 mm thickness platform bottom plate
- Bucket cylinder guard

UNDERCARRIAGE

- 700 mm (28"), 800 mm (32"), 900 mm (35") track-shoes with triple grousers
- 3 piece track-guards (each side)

DIGGING EQUIPMENT

- 2.6 m (8'6") arm
- 1.9 m³ (2.49 yd³) (SAE, heaped) bucket



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