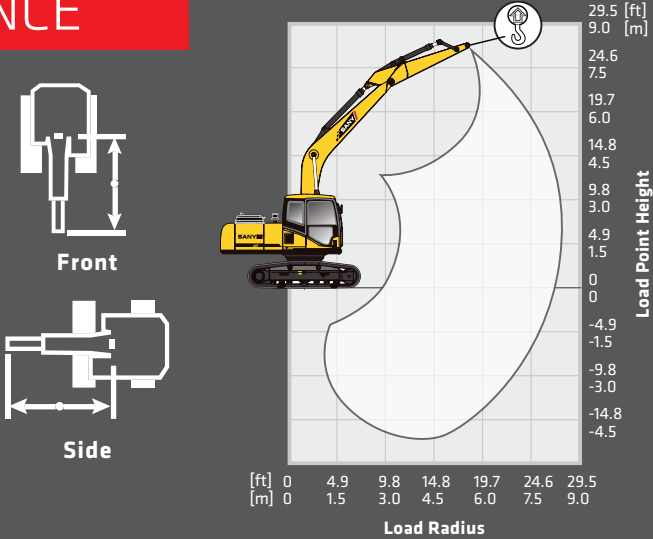


||| SY215C

LIFTING PERFORMANCE

Standard 18’ 8” (5 700 mm) Boom
Standard 9’ 7” (2 925 mm) Arm
Standard 31” (800 mm) Track Shoes
No Bucket

Ratings are based on ISO 10567:2007. Lift capacity does not exceed 75% of tipping load with the machine on firm, level ground or 87% of hydraulic lifting capacity.



LOAD RADIUS	9.8 ft 3.0 m		14.8 ft 4.5 m		19.7 ft 6.0 m		24.6 ft 7.5 m		MAX REACH	
LOAD POINT HEIGHT										
24.6 ft 7.5 m					9,407 lb* 4 267 kg*	9,407 lb* 4 267 kg*			10,463 lb* 4 746 kg*	10,463 lb* 4 746 kg*
19.7 ft 6.0 m					10,179 lb* 4 617 kg*	10,179 lb* 4 617 kg*			10,617 lb* 4 816 kg*	9,590 lb 4 350 kg
14.8 ft 4.5 m					11,374 lb* 5 159 kg*	11,374 lb* 5 159 kg*	10,882 lb* 4 936 kg*	9,054 lb 4 107 kg	10,933 lb* 4 959 kg*	8,276 lb 3 754 kg
9.8 ft 3.0 m			16,718 lb* 7 583 kg*	16,718 lb* 7 583 kg*	13,245 lb* 6 008 kg*	12,081 lb 5 480 kg	11,707 lb* 5 310 kg*	8,827 lb 4 004 kg	11,365 lb* 5 155 kg*	7,401 lb 3 357 kg
4.9 ft 1.5 m			20,477 lb* 9 288 kg*	16,987 lb 7 705 kg	15,196 lb* 6 893 kg*	11,552 lb 5 240 kg	12,705 lb* 5 763 kg*	8,569 lb 3 887 kg	11,102 lb 5 036 kg	7,394 lb 3 354 kg
0 ft 0 m	15,126 lb* 6 861 kg*	15,126 lb* 6 861 kg*	22,677 lb* 10 286 kg*	16,378 lb 7 429 kg	16,654 lb* 7 554 kg*	11,175 lb 5 069 kg	12,714 lb 5 767 kg	8,375 lb 3 799 kg	11,378 lb 5 161 kg	7,538 lb 3 419 kg
-4.9 ft -1.5 m	24,132 lb* 10 946 kg*	24,132 lb* 10 946 kg*	23,219 lb* 10 532 kg*	16,195 lb 7 346 kg	17,174 lb* 7 790 kg*	11,010 lb 4 994 kg	12,648 lb 5 737 kg	8,314 lb 3 771 kg	10,655 lb 4 833 kg	8,144 lb 3 694 kg
-9.8 ft -3.0 m	31,713 lb* 14 385 kg*	30,785 lb 13 964 kg	22,174 lb* 10 058 kg*	16,316 lb 7 401 kg	16,543 lb* 7 504 kg*	11,074 lb 5 023 kg			14,268 lb* 6 472 kg*	9,597 lb 4 345 kg
-14.8 ft -4.5 m	26,358 lb* 11 956 kg*	26,358 lb* 11 956 kg*	18,682 lb* 8 474 kg*	16,788 lb 7 615 kg					15,278 lb* 6 930 kg*	13,373 lb 6 066 kg

* Indicates load limited by hydraulic lifting capacity
In the interest of continual equipment development, SANY America Inc. reserves the right to change these specifications at any time without prior notification.

||| SY215C

PRODUCT SPECIFICATIONS

SANY



||| STANDARD FEATURES

- ➔ 800 mm Steel Tracks
- ➔ Reinforced Undercarriage
- ➔ 1 and 2-way Primary Auxiliary and 2-way Secondary Rotate Circuit
- ➔ Powerful Cummins Engine

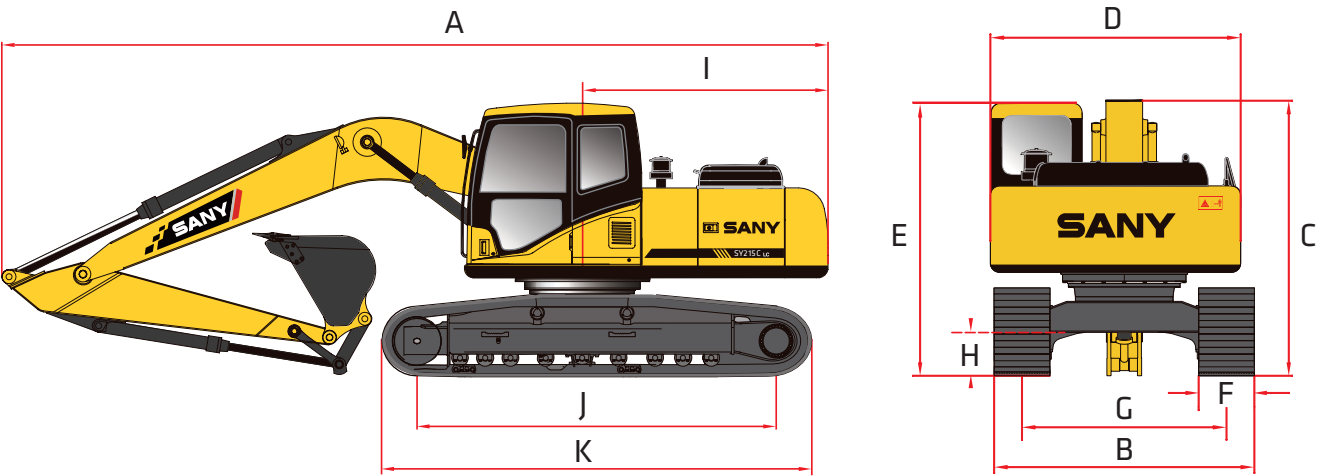
Gross Power
163.6 hp

Dig Depth
21' 8"

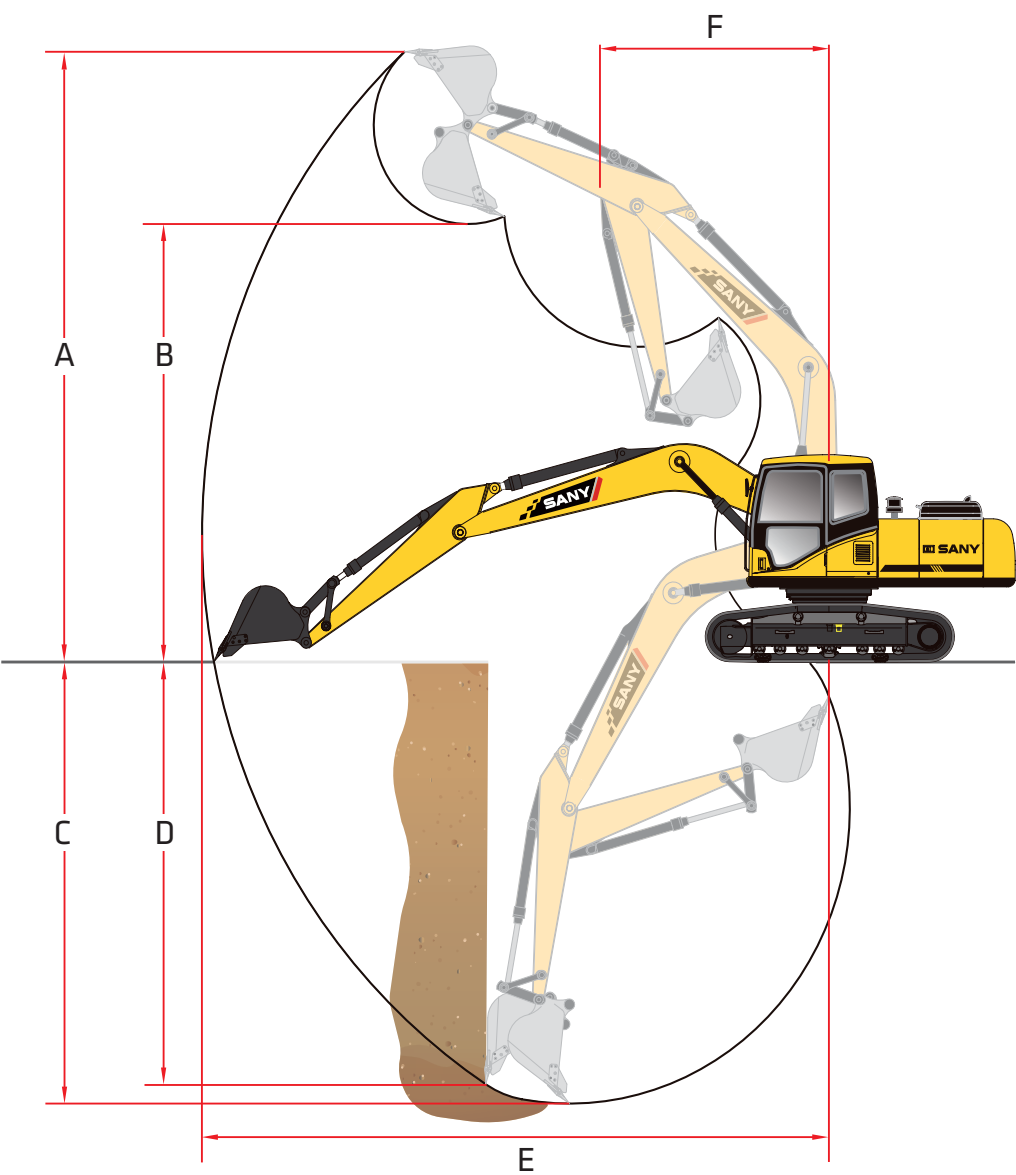
Operating Weight
51,919 lb

Bucket Breakout
28,551 lbf

DIMENSIONS



WORKING RANGE



Powerful force with precision delivers maximum productivity

TECHNICAL SPECIFICATIONS

Operating Weight	51,919 lb	23 550 kg
Ground Pressure	5.3 psi	36.3 kPa
Engine	Cummins QSB6.7	
Displacement	408.9 in ³	6.7 L
Gross Power	163.6 HP	122 kW
Hydraulics	Positive Flow Control with Pilot Control	
Main Hydraulic Pump	Axial Piston – Variable Displacement	
Operating Flow (maximum)	117.3 gal/min	444.0 L/min
Operating Pressure (maximum)	4,975 psi	34.3 MPa
Power Boost Pressure (maximum)	5,410 psi	37.3
Auxiliary Flow (maximum)	105.7 gal/min	400 L/min
Auxiliary Pressure (maximum)	2900.76 psi	20 MPa
Travel Motor	Axial Piston with Park Brake	
Travel Pressure (maximum)	4,975 psi	34.3 MPa
Travel Speeds (maximum)	1.9 / 3.3 mph	3.1 / 5.3 km/hr
Travel Effort (maximum)	40,466 lbf	180.0 kN
Grade Capability (maximum)	35°	
Swing Motor	Axial Piston with Swing Brake	
Swing Pressure (maximum)	3,989 psi	27.5 MPa
Swing Speed (maximum)	10.9 RPM	
Undercarriage (standard)	Steel Track	
Track Shoe width (standard)	31"	800 mm
Track Rollers (per side)	9	
Carrier Rollers (per side)	2	

DIMENSIONS

Boom Length	18' 8"	5 700 mm
Stick (Arm) Length	9' 7"	2 925 mm
A Transport Length	31' 11"	9 728 mm
B Transport Width	10' 5"	3 180 mm
C Transport Height	11' 1"	3 370 mm
D Upper Structure Width	8' 11"	2 710 mm
E Cab Height	10' 0"	3 050 mm
F Track Width (standard shoe)	31"	800 mm
G Track Gauge	7' 10"	2 380 mm
H Ground Clearance (minimum)	19"	480 mm
I Tail Swing Radius	9' 6"	2 890 mm
J Track Length on Ground	11' 11"	3 640 mm
K Track Length	14' 7"	4 450 mm

SERVICE REFILL CAPACITIES

Fuel Tank Capacity	89.5 gal	340.0 L
DEF Tank Capacity	5.0 gal	19.0 L
Hydraulic Tank Capacity	60.5 gal	230.0 L
Engine Oil Capacity	7.1 gal	27.0 L
Cooling System Capacity	7.3 gal	27.6 L

WORKING RANGE

Boom Length	18' 8"	5 700 mm
Stick (Arm) Length	9' 7"	2 925 mm
A Maximum Digging Height	30' 1"	9 180 mm
B Maximum Dumping Height	21' 11"	6 670 mm
C Maximum Digging Depth	21' 8"	6 600 mm
D Maximum Vertical Wall Digging Depth	19' 7"	5 980 mm
E Maximum Reach at Ground Level	33' 10"	10 307 mm
F Minimum Swing Radius	12' 3"	3 730 mm

DIGGING PERFORMANCE

Boom Length	18' 8"	5 700 mm
Stick (Arm) Length	9' 7"	2 925 mm
Bucket Breakout Force (ISO)	28,551 lbf	1 27.0 kN
Stick (Arm) Digging Force (ISO)	23,155 lbf	103.0 kN