

LARGE EXCAVATOR

SY355C LC

STANDARD
FEATURES

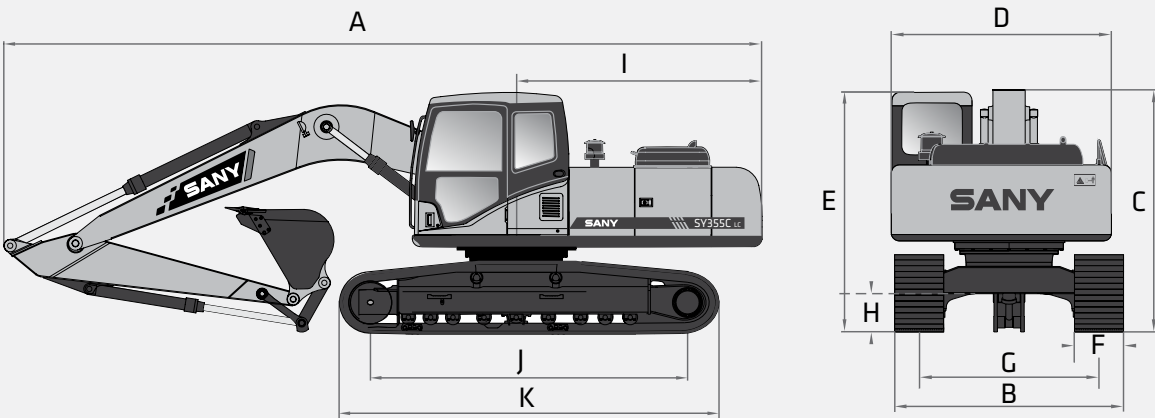
- ➔ Heavy-duty, long undercarriage
- ➔ 1-way and 2-way primary auxiliary and 2-way secondary auxiliary circuits
- ➔ Quick coupler plumbed to end of stick
- ➔ Heated air ride seat with adjustable independent control positions
- ➔ Bright LED work light package and rear view camera
- ➔ Powerful Cummins Engine

280 hp
Gross Power

24' 7"
Dig Depth

78,264 lbs
Operating Weight

45,861 lbs
Bucket Breakout



TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS		
Operating Weight	78,264 lbs	35,500 kg
Ground Pressure	8.8psi	60.7 kPa
Engine	Cummins QSL9 T4F	
Displacement	598.0 in ³	9.8 L
Gross Power	280.3 HP	209 kW
Hydraulics	Positive Flow System w/Pilot Control	
Main Hydraulic Pump	Axial Piston – Variable Displacement	
Operating Flow (maximum)	147 gal/min	556.0 L/min
Operating Pressure (maximum)	4,975 psi	34.3 MPa
Secondary Auxiliary Flow (maximum)*	145 gal/min	549 L/min
Secondary Auxiliary Pressure (maximum)	4,975 psi	34.3 MPa
Travel Motor	2 Axial Piston with Park Brake	
Travel Pressure (maximum)	4,975 psi	34.3 MPa
Travel Speeds (maximum)	2.1 / 3.2 mph	3.4/ 5.2 km/hr
Travel Effort (maximum)	55,078 lbf	245 kN
Grade Capability (maximum)	35°	
Swing Motor	Axial Piston with Swing Brake	
Swing Pressure (maximum)	3,989 psi	27.5 MPa
Swing Speed (maximum)	9.0 RPM	
Undercarriage (standard)	Steel Track	
Track Shoe Width (standard)	31"	800 mm
Track Rollers (per side)	9	
Carrier Rollers (per side)	2	

DIMENSIONS

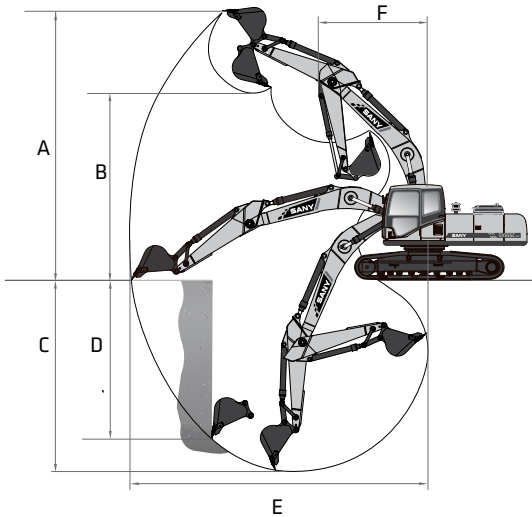
DIMENSIONS		
Boom Length	20' 2"	6 147 mm
Stick (Arm) Length	12' 4"	3 759 mm
A Transport Length	35' 0"	10 668 mm
B Transport Width	11' 1"	3 429 mm
C Transport Height	12' 0"	3 658 mm
D Upper Structure Width	10' 4"	3 150 mm
E Cab Height	10' 9"	3 277 mm
F Track Width (standard shoe)	31"	800 mm
G Track Gauge	8' 6"	2 590 mm
H Ground Clearance	2' 0"	610 mm
I Tail Swing Radius	10' 11"	3 327 mm
J Track Length on Ground	13' 7"	4 140 mm
K Track Length	16' 7"	5 055 mm
SERVICE REFILL CAPACITIES		
Fuel Tank Capacity	xxx.x gal	xxx.x L
DEF Tank Capacity	xx.x gal	xx.x L
Hydraulic Tank Capacity	xx.x gal	xxx.x L
Engine Oil Capacity	xx gal	xx.x L
Cooling System Capacity	xx.x gal	xx.x L

*Based on theoretical calculation at max flow with no load. Subject to alterations. In the interest of continual equipment development

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PRODUCT SPECIFICATIONS LARGE EXCAVATOR ||| SY355C LC

WORKING RANGE



WORKING RANGE

Boom Length	20' 2"	6 147 mm
Stick (Arm) Length	12' 4"	3 759 mm
A Maximum Digging Height	34' 6"	10 516 mm
B Maximum Dumping Height	24' 6"	7 493 mm
C Maximum Digging Depth	24' 7"	7 163 mm
D Maximum Vertical Wall Digging Depth	23' 6"	7 163 mm
E Maximum Reach at Ground Level	36' 7"	11 151 mm
F Minimum Swing Radius	14' 4"	4 369 mm

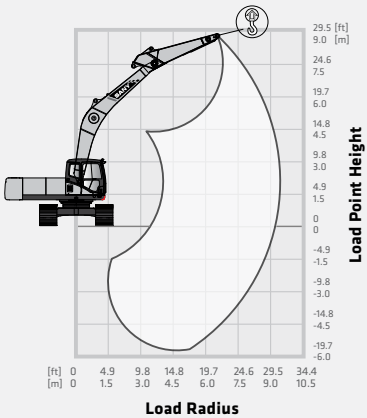
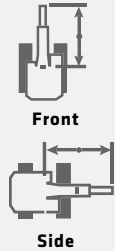
DIGGING PERFORMANCE

Boom Length	20' 2"	6 147 mm
Stick (Arm) Length	12' 4"	3 759 mm
Bucket Breakout Force (ISO)	45,861 lbf	204.0 kN
Stick (Arm) Digging Force (ISO)	34,396 lbf	153.0 kN

LIFTING PERFORMANCE

Standard 20' 2" (6 147 mm) Boom
Standard 12' 4" (3 759 mm) Stick
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		29.5 ft 9.0 m		MAX REACH	
LOAD POINT HEIGHT	 		 		 		 		 		 	
24.6 ft 7.5 m												
19.7 ft 6.0 m												
14.8 ft 4.5 m					16,491 lb* 7 480 kg*	16,491 lb 7 480 kg	14,771 lb* 6 700 kg*				5,909 lb 2 680 kg	xx,xxx lb
9.8 ft 3.0 m			29,123 lb* 13 210 kg*	19,003 lb 8 620 kg	18,960 lb* 8 600 kg*	13,514 lb 6 130 kg	16,358 lb* 7 420 kg*	5,445 lb 2 470 kg			5,049 lb 2 290 kg	xx,xxx lb
4.9 ft 1.5 m			30,226 lb* 13 710 kg*	18,210 lb 8 260 kg	21,208 lb* 9 620 kg*	12,875 lb 5 840 kg	16,049 lb* 7 280 kg*	7,363 lb 3 340 kg			4,563 lb 2 070 kg	xx,xxx lb
0 ft 0 m			30,689 lb* 13 920 kg*	18,232 lb 8 270 kg	23,508 lb* 10 661 kg*	13,448 lb 6 100 kg	14,198 lb* 6 440 kg*	9,855 lb 4 470 kg			6,989 lb 3 170 kg	xx,xxx lb
-4.9 ft -1.5 m	24,338 lb* 11 040 kg*	24,338 lb* 11 040 kg*	24,338 lb* 11 040 kg*	19,290 lb 8 750 kg	19,290 lb* 8 750 kg*	10,978 lb 4 980 kg	14,263 lb* 6 470 kg*	7,077 lb 3 210 kg			8,201 lb 3 720 kg	xx,xxx lb
-9.8 ft -3.0 m	38,294 lb* 17 370 kg*	38,294 lb* 17 370 kg*	38,294 lb* 17 370 kg*	18,452 lb 8 370 kg	21,340 lb* 9 680 kg*	12,456 lb 5 650 kg	16,740 lb* 7 590 kg*	9,348 lb 4 240 kg			9,921 lb 4 500 kg	xx,xxx lb
-14.8 ft -4.5 m	30,667 lb* 13 910 kg*	30,667 lb* 13 910 kg*	23,038 lb* 10 450 kg*	18,806 lb 8 530 kg	17,063 lb* 7 740 kg*	12,698 lb 5 760 kg	18,651 lb* 8 460 kg*	8,841 lb 4 010 kg			12,566 lb 5 700 kg	xx,xxx lb

* Indicates load limited by hydraulic lifting capacity.

