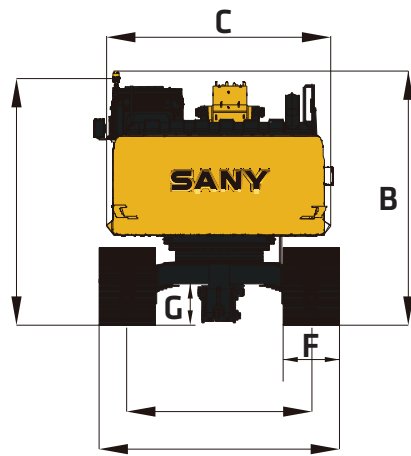
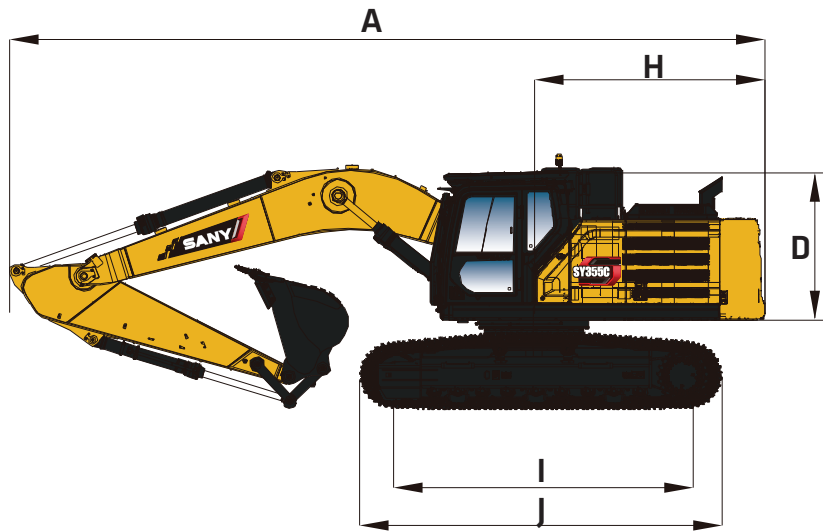




DIMENSIONS		LONG STICK
Boom Length		20' 2"
Stick Length		12' 4"
A	Transport Length	35'
B	Transport Height	12'
C	Upper Structure Width	10' 4"
D	Cab Height	10' 9"
F	Track Width	31"
Track Gauge		8' 6"
G	Ground Clearance	2'
H	Tail Swing Radius	10' 11"
I	Track Length on Ground	13' 7"
J	Track Length	16' 7"

SERVICE REFILL CAPACITIES	
Fuel Tank Capacity	143 gal
DEF Tank Capacity	20 gal
Hydraulic Tank Capacity	79.3 gal
Engine Oil Capacity	7.9 gal
Cooling System Capacity	4.2 gal

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*Warranty applies to 2026 Excavator and Wheel Loader models

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SY355LC

LARGE
EXCAVATOR

78,264 LBS OPERATING WEIGHT
280.3 HP GROSS HORSEPOWER
24' 7" MAX DIGGING DEPTH



TECHNICAL SPECIFICATIONS

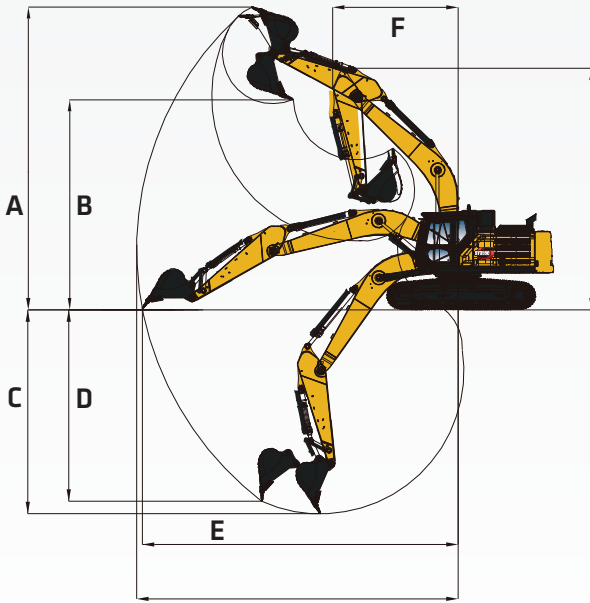
MACHINE DATA	STANDARD STICK
Operating Weight*	78,264 lbs
Bolt-on Counterweight	16,093 lbs
Ground Pressure	8.8 psi
Engine Model	Cummins L9 Stage V/ T4F
Displacement	598.0 in³
Gross Power	280.3 HP
Hydraulics	Positive Flow System
Main Hydraulic Pump	Axial Piston Variable Displacement
Operating Flow (Max)	147 gal/min
Operating Pressure (Max)	4,975 psi
Auxiliary Flow	132 gpm
Auxiliary Pressure	4,931 psi
Travel Motor	2*Axial Piston Motor w/Parking Brake
Travel Pressure (Max)	4,975 psi
Travel Speeds (Max)	2.1 / 3.2 mph
Travel Effort (Max)	55,078 lbf
Gradability	35°
Swing Motor	Axial Piston Motor w/Swing Brake
Swing Pressure (Max)	3,989 psi
Swing Speed (Max)	9.0 RPM
Undercarriage	Steel Track
Track Shoe Width	31"
Track Rollers	9
Carrier Rollers	2

WORKING SPECIFICATIONS

WORKING RANGE		STANDARD STICK
	Boom Length	20' 2"
	Stick Length	12' 4"
A	Maximum Digging Height	34' 6"
B	Maximum Dumping Height	24' 6"
C	Maximum Digging Depth	24' 7"
D	Maximum Vertical Wall Digging Depth	23' 6"
E	Maximum Reach at Ground Level	36' 7"
F	Minimum Swing Radius	14' 4"

DIGGING PERFORMANCE		STANDARD STICK
	Boom Length	20' 2"
	Stick Length	12' 4"
	Bucket Breakout Force (ISO)	45,861 lbf
	Stick Digging Force (ISO)	34,396 lbf

*Operating weight is for the SY355LC with no attachments, and standard stick.
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LARGE
EXCAVATOR

SY355LC

STANDARD FEATURES

ENGINE
Cummins QSL9 Stage V
Auto-idle
Dual-element dry air filter
Batteries 24V (2 – 12V)
Coolant Expansion tank
Electronic engine control
Enclosed fan guard
Engine coolant to –37 deg. C (–34 deg. F)
Fuel filter with water separator
Full-flow oil filter
Turbocharger with charge air cooler
High flow electric clutch actuated fan
500-hour engine-oil-change interval
70% (35 deg.) off-level capability
Engine air precleaner
Severe-duty fuel filter
HYDRAULIC SYSTEM
Spring-applied, hydraulically released automatic swing brake
Auxiliary hydraulic-flow adjustments through monitor
Control pattern change valve
Auxiliary hydraulics with 1 and 2-way combination piping for high flow
Auxiliary hydraulics with 2- way rotation piping and controls with dedicated pump
Auxiliary pilot and electric controls
Auto power boost for higher dig performance
Quick coupler plumbing and control
UNDERCARRIAGE
Planetary drive with axial piston motors
Propel motor shields
Spring-applied, hydraulically released automatic propel brake
Track guides, front idler and 2 additional per side
2-speed travel selection
Upper carrier rollers (2) , bottom rollers (9)
Sealed and lubricated track chain
Triple semi-grouser shoes, 800 mm (31")
Undercarriage frame opening guard
BOOM & STICK
Boom 6.15 m (20' 2")
Stick, 3.75 m (12' 4")
UPPERSTRUCTURE
Right-hand, left-hand, and counterweight mirrors
Vandal lockwith ignition key: Cab door /Service door/ Toolbox/Cab Filter
Debris screen in side panel
Remote-mounted engine oil and fuel filters
Daily fluid level inspection visible from ground
Heavy duty triangle channel frame guard
ATTACHMENTS
Dirt seals on all bucket pins

ATTACHMENTS CONTINUED
Oil-impregnated bushings
Reinforced resin thrust plates
Quick coupler
Buckets: Heavy duty / Heavy-duty high capacity / Side cutterand teeth
Convenient grease points
Centralized lubrication system
OPERATOR'S STATION
ROPS certified cab (ISO 12117-2)
Adjustable independent-control positions (levers-to-seat, seat-to-pedals)
AM/FM radio with USB charging and Bluetooth® connectivity
High performance auto climate control/air conditioner/heater/pressurizer
Built-in Operator'Manual storage compartment and manual
12V/24V outlets
Deluxe heated air suspension cloth seat with adjustable armrests
Heavy duty rubber floor mat
Front windshield wiper with intermittent speeds and auto shut off when front window is open
Illuminated gauge: diesel exhaust fluid, engine coolant, and fuel levels
Horn, electric
Hour meter, electric
Hydraulic shutoff lever, all controls
Interior light
Large cup holder
Digital power mode selection: 3 power modes- low, standard, and high
Digital tool selection: bucket, shear, hammer, etc. saving up to 10 tools each in display
Fully adjustable auxiliary flow circuits and pressure from display
Multifunction LCD monitor with: diagnostic capability / multiple-language / maintenance tracking / Clock
System monitoring with alarm features: auto-idle indicator, engine air cleaner restriction indicator light, engine check, engine coolant temperature indicator light with audible alarm, engine oil pressure indicator light with audible alarm, low-alternator-charge indicator light, low-fuel indicator light, low DEF indication with audible alarm, fault code alert indicator, fuel-rate display, wiper-mode indicator, work-lights-on indicator, and work-mode indicator
Motion alarm with cancel switch (conforms to SAE J994)
Overload alarm and adjustable lift pressure threshold adjustment
Proportional auxiliary switches on joystick
Seat belt, Retractable
Transparent overhead hatch
Protection screens for cab front, rear, and side
ELECTRICAL
60-amp alternator
Ground level electrical disconnect (lockout tag out)
Blade-type multi-fused circuits
Positive-terminal battery covers
Rearview camera & Right sideview camera
One touch machine start
LIGHTS
Work lights: 8 High power LED - 2 mounted on boom, 2 mounted on top of cab, 1 mounted under step on right side of machine, 1 side of machine, and 1 facing rear.

LIFTING PERFORMANCE

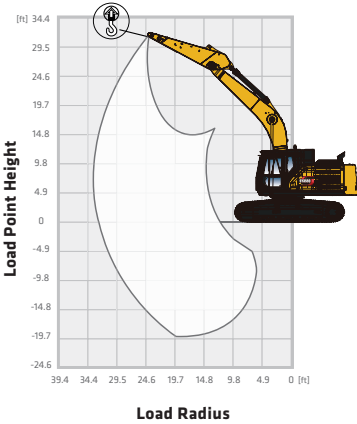
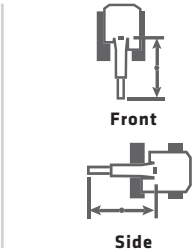
Standard 20’ 2” Boom

Standard 12’ 4” Stick

Standard 21” 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.



Standard Stick

B (HEIGHT)	4.9 FT		9.8 FT		14.8 FT		19.7 FT		24.6 FT		MAX	
LOAD POINT HEIGHT											CAPACITY	REACH
24.6 ft												6.28 ft
19.7 ft												7.36 ft
14.8 ft												
9.8 ft												
4.9 ft												
0.0 ft												
-4.9 ft												
-9.8 ft												
-14.8 ft												

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