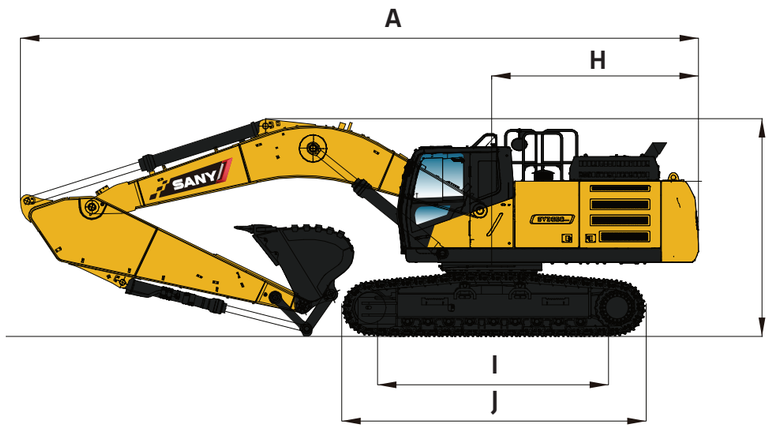

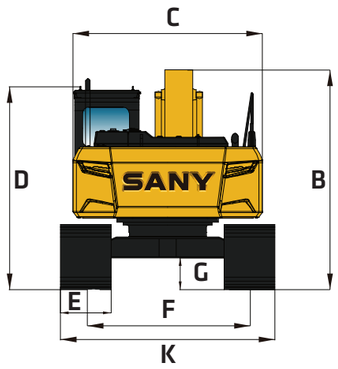

DIMENSIONS		STANDARD STICK	LONG STICK
	Boom Length	21’ 4”	21’ 4”
	Stick (Arm) Length	10’ 6”	12’ 10”
A	Transport Length	36’ 6”	36’ 6”
B	Transport Height	11’ 5”	12’
C	Upper Structure Width	9’ 9”	
D	Cab Height	11’ 0”	
E	Track Width	31” (800 mm)	
F	Track Gauge	7’ 10”	
G	Ground Clearance	1’ 9”	
H	Tail Swing Radius	11’ 4”	
I	Track Length on Ground	13’ 7”	
J	Track Length	16’ 7”	
K	Transport Width	9’ 9”	

SERVICE REFILL CAPACITIES	
Fuel Tank Capacity	160 gal
DEF Tank Capacity	22.7 gal
Hydraulic Tank Capacity	117.3 gal
Engine Oil Capacity	9.3 gal
Cooling System Capacity	3 gal

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INDUSTRY’S STRONGEST STANDARD WARRANTY | 5-YEAR* 5,000 HOURS

*Warranty applies to 2026 Excavator and Wheel Loader models

SANY America Inc. 318 SANY Way
Peachtree City, Georgia 30269
470.552.SANY sanyamerica.com

SY385C

MEDIUM HYDRAULIC **EXCAVATOR**

74,075 LBS OPERATING WEIGHT
314 HP GROSS HORSEPOWER
26’ 4” MAX DIGGING DEPTH

TECHNICAL SPECIFICATIONS

MACHINE DATA	STANDARD STICK	LONG STICK
Operating Weight*	85,318 lbs	90,389 lbs
Bolt-on Counterweight	14,991 lbs	17,196 lbs
Ground Pressure	9.9 psi	10.5psi
Engine Model	Cummins QSL9	
Displacement	542.0 in³	
Net Power	-	
Gross Power	314 HP	
Hydraulics	Positive Flow w/Pilot Control	
Main Hydraulic Pump	Axial Piston – Variable Displacement	
Operating Flow (Max)	190 gpm	
Operating Pressure (Max)	4,975 psi	
Auxiliary Flow	132 gpm	
Auxiliary Pressure	4,975 psi	
Travel Motor	Axial Piston with Park Brake	
Travel Pressure (Max)	4,975 psi	
Travel Speeds (Max)	1.9 / 3.1 mph	
Travel Effort (Max)	71,938 lbf	
Gradability	35°	
Swing Motor	Planetary Drive w/Axial Piston Motors	
Swing Pressure (Max)	4,134 psi	
Swing Speed (Max)	8.8 RPM	
Undercarriage	Steel Track	
Track Shoe Width	31"	
Track Rollers	2	
Carrier Rollers	9	

WORKING SPECIFICATIONS

WORKING RANGE		STANDARD STICK	LONG STICK
	Boom Length	21’ 4”	21’ 4’’
	Stick (Arm) Length	10’ 6”	12’ 10’’
A	Maximum Digging Height	35’ 2”	36’ 1”
B	Maximum Dumping Height	24’ 3”	25’ 3”
C	Maximum Digging Depth	24’	26’ 4”
D	Maximum Vertical Wall Digging Depth	24’	26’ 3”
E	Maximum Reach at Ground Level	35’ 6”	36’ 9”
F	Minimum Swing Radius	13’ 8”	13’ 8”
DIGGING PERFORMANCE		**STANDARD STICK**	**LONG STICK**
	Boom Length	21’ 4”	21’ 4’’
	Stick (Arm) Length	10’ 6”	12’ 10’’
	Bucket Breakout Force (ISO)	52,875 lbf	52,875 lbf
	Stick (Arm) Digging Force (ISO)	38,250 lbf	38,250 lbf

*Operating weight is for the SY385C with no attachments, and standard stick.

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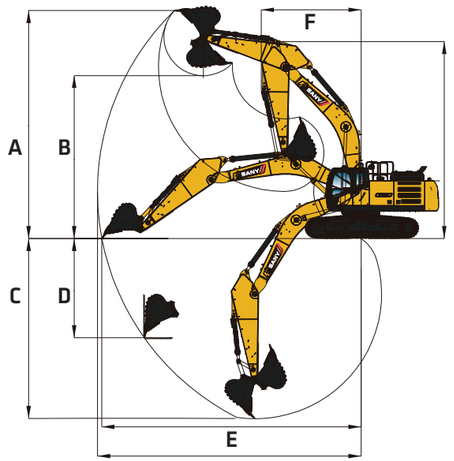

MEDIUM HYDRAULIC EXCAVATOR SY385C

STANDARD FEATURES

ENGINE
- 8.9l Cummins QSL9
- 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
- Auxiliary pilot and electric controls
- 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)
- Sealed and lubricated track chain
- Triple semi-grouser shoes, 800 mm (32")
- Undercarriage frame opening guard

BOOM & STICK
- Boom 6.5 m (21' 3")
- Stick, 3.2 m (10' 5")
- Stick, 3.9 m (13' 1")

UPPERSTRUCTURE
- Right-hand, left-hand
- Counterweight mirrors
- Vandal lock with ignition key: Cab door /Service door/ Toolbox/Cab Filter
- Debris screen in side panel
- Remote-mounted engine oil and fuel filters
- Heavy duty triangle channel frame guard

ATTACHMENTS
- Convenient grease points
- Centralized lubrication system

ATTACHMENTS CONTINUED
- Dirt seals on all bucket pins
- Oil-impregnated bushings
- Reinforced resin thrust plates
- Quick coupler
- Buckets: Heavy duty / Heavy-duty high capacity / Side cutter and teeth

OPERATOR'S STATION
- Adjustable independent-control positions (levers-to-seat, seat-to-pedals)
- AM/FM radio with USB charging and Bluetooth® connectivity
- Auto climate control/air conditioner/heater/pressurizer
- Built-in Operator's Manual storage compartment and manual
- 12V and 24V outlets 60 watt 5 amp
- Deluxe heated air suspension cloth seat with adjustable armrests
- Heavy duty rubber floor mat
- Front windshield wiper with intermittent speeds
- Touchcreen Monitor 10.4". Displays Fuel, DEF, Engine temp, Oil temp.
- Horn, electric
- Hour meter, electric. In touch screen.
- Hydraulic shutoff lever, all controls
- Interior light
- Digital Power mode selection: 3 power modes- Low, Standard, and High
- Digital tool selection: Bucket, Shear, Hammer, etc.
- Multifunction color 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)
- Auxiliary hydraulic control switches in right console lever
- Seat belt, retractable
- Transparent overhead hatch
- Heated or cooled food/beverage storage
- Air-suspension heated seat
- Hydraulic oil filter restriction indicator light
- 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
- Blindside Camera

LIGHTS
- Work lights: High power LED - 2 mounted on boom, 2 mounted on top of Cab, 1 mounted under step on right side of machine

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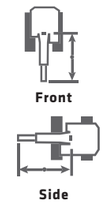
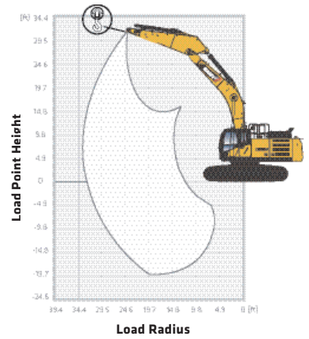
LIFTING PERFORMANCE

Standard 21' 4" Boom
Standard 10' 6" Stick
Standard 31" 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.





10' 6" Stick

B (HEIGHT)	10 FT		15 FT		20 FT		25 FT		30 FT	
LOAD POINT HEIGHT										
25 ft							*16,413 lbs	*16,413 lbs	*16,552 lbs	*16,552 lbs
20 ft					*17,279 lbs	*17,279 lbs	*16,918 lbs	*16,918 lbs	*17,026 lbs	16,142 lbs
15 ft			*24,855 lbs	*24,855 lbs	*20,532 lbs	*20,532 lbs	*18,488 lbs	*18,488 lbs	*17,544 lbs	14,513 lbs
10 ft			*32,750 lbs	*32,750 lbs	*24,313 lbs	*24,313 lbs	*20,461 lbs	18,484 lbs	*18,111 lbs	13,675 lbs
5 ft			*37,950 lbs	34,987 lbs	*27,460 lbs	23,922 lbs	*22,251 lbs	17,906 lbs	*18,733 lbs	13,413 lbs
0 ft			*39,461 lbs	34,266 lbs	*29,198 lbs	23,283 lbs	*23,371 lbs	17,498 lbs	*19,421 lbs	13,693 lbs
-5 ft	*35,232 lbs	*35,232 lbs	*38,649 lbs	34,183 lbs	*29,361 lbs	23,047 lbs	*23,462 lbs	17,331 lbs	*20,172 lbs	14,652 lbs
-10 ft	*48,843 lbs	*48,843 lbs	*36,039 lbs	34,498 lbs	*27,862 lbs	23,166 lbs	*21,982 lbs	17,463 lbs	*20,973 lbs	16,735 lbs
-15 ft	*41,434 lbs	*41,434 lbs	*31,114 lbs	*31,114 lbs	*23,925 lbs	23,166 lbs			*21,718 lbs	21,446 lbs

12' 10" Stick

B (HEIGHT)	10 FT		15 FT		20 FT		25 FT		30 FT	
LOAD POINT HEIGHT										
25 ft							*14,993 lbs	12,339 lbs		
20 ft							*15,926 lbs	12,323 lbs	16,210 lbs	8,666 lbs
15 ft					*19,245 lbs	17,040 lbs	*17,727 lbs	11,775 lbs	16,570 lbs	8,503 lbs
10 ft			*30,250 lbs	25,260 lbs	*23,325 lbs	16,177 lbs	*19,930 lbs	11,314 lbs	16,300 lbs	8,260 lbs
5 ft			*36,612 lbs	23,708 lbs	*26,835 lbs	15,372 lbs	21,492 lbs	10,860 lbs	16,016 lbs	8,005 lbs
0 ft			*39,515 lbs	22,866 lbs	*29,150 lbs	14,797 lbs	21,080 lbs	10,498 lbs	15,782 lbs	7,795 lbs
-5 ft	*33,865 lbs	*33,865 lbs	*39,725 lbs	22,545 lbs	29,890 lbs	14,484 lbs	20,829 lbs	10,280 lbs	15,668 lbs	7,678 lbs
-10 ft	*49,370 lbs	*49,370 lbs	*37,919 lbs	22,555 lbs	*29,085 lbs	14,411 lbs	*20,770 lbs	10,227 lbs		
-15 ft	*46,533 lbs	*46,533 lbs	*33,955 lbs	22,840 lbs	*26,260 lbs	14,575 lbs			16,212 lbs	8,181 lbs

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