

SY135C



SMALL HYDRAULIC EXCAVATOR **32,783 LBS** OPERATING WEIGHT
105 HP GROSS HORSEPOWER
17' 11" MAX DIGGING DEPTH

TECHNICAL SPECIFICATIONS

MACHINE DATA	STANDARD STICK
Operating Weight*	32,783 lbs
Bolt-on Counterweight	-
Ground Pressure	5.7 psi
Engine Model	ISUZU 4JJ1X
Displacement	3.0 L
Net Power	99 HP
Gross Power	105 HP
Hydraulics	
Main Hydraulic Pump	2 x Variable-Piston-Pump
Operating Flow (Max)	2 x 33 gpm
Operating Pressure (Max)	4,975 psi
Auxiliary Flow	67 / 11 gal/m
Auxiliary Pressure	4,975 / 3,553 psi
Travel Motor	2 Speed Axial Piston Motor with Planetary
Travel Pressure (Max)	4,975 psi
Travel Speeds (Max)	3.3 / 1.9 m/h
Travel Effort (Max)	25,403 lbf
Gradability	35°
Swing Motor	Axial Piston with Planetary Reducer
Swing Pressure (Max)	4,496 psi
Swing Speed (Max)	12 rpm
Undercarriage	
Track Shoe Width	1' 11"
Track Rollers	7
Carrier Rollers	1

DIMENSIONS	STANDARD STICK
Boom Length	15' 1"
Stick (Arm) Length	8' 2"
A Transport Length	26' 7"
B Transport Height	9' 9"
C Upper Structure Width	8' 2"
D Cab Height	9' 9"
E Blade Height	1' 7"
F Track Width	8' 6"
Track Gauge	6' 6"
G Ground Clearance	1' 5"
H Tail Swing Radius	7' 6"
I Track Length on Ground	9' 7"
J Track Length	12'

SERVICE REFILL CAPACITIES	
Fuel Tank Capacity	63.4 gal
DEF Tank Capacity	5.0 gal
Hydraulic Tank Capacity	46.2 gal
Engine Oil Capacity	4.4 gal
Cooling System Capacity	7.1 gal

In the interest of continual equipment development, SANY America Inc. reserves the right to change these specifications at any time without prior notification.
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*Warranty applies to 2026 Excavator and Wheel Loader models

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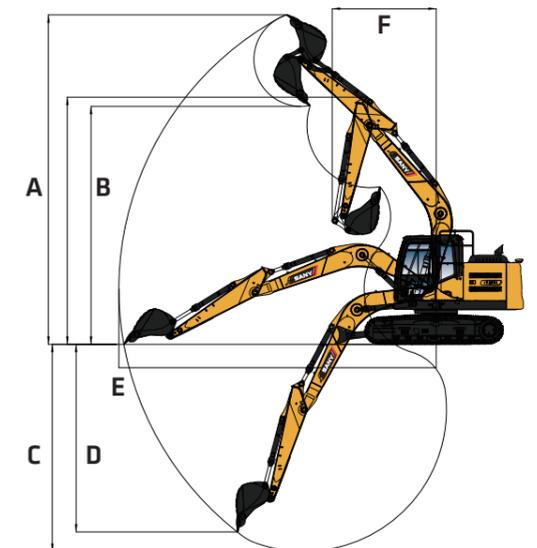
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WORKING SPECIFICATIONS

WORKING RANGE	STANDARD STICK
Boom Length	15' 1"
Stick (Arm) Length	8' 2"
A Maximum Digging Height	28' 6"
B Maximum Dumping Height	20' 7"
C Maximum Digging Depth	17' 11"
D Maximum Vertical Wall Digging Depth	16' 3"
E Maximum Reach at Ground Level	27' 4"
F Minimum Swing Radius	8' 11"

DIGGING PERFORMANCE	STANDARD STICK
Boom Length	15' 1"
Stick (Arm) Length	8' 2"
Bucket Breakout Force (ISO)	20,907 lbf
Stick (Arm) Digging Force (ISO)	14,837 lbf

*Operating weight is for the SY135C with no attachments, and standard stick.
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SMALL HYDRAULIC EXCAVATOR SY135C

STANDARD FEATURES

ENGINE

- Isuzu AR-4J1X
- Tier 4F / EU Stage V Ready
- Auto-idle
- Push button start
- Dual-element dry air filter
- Coolant Expansion tank
- Electronic engine control
- Fan guard
- Engine coolant to -37 deg. C (-34 deg. F)
- Full-flow oil filter
- Automatic and manual engine regeneration
- High flow cooling fan
- 500-hour engine-oil-change interval
- Fuel filter and water separator

HYDRAULIC SYSTEM

- Spring-applied, hydraulically released automatic swing brake
- Load sensing hydraulic system
- Control pattern change valve
- Continuous flow function
- Secondary auxiliary hydraulic circuit with 1 and 2-way combination piping
- Auxiliary hydraulic-flow adjustments through monitor
- Adjustable auxiliary pressure relief
- Quick coupler ready

UNDERCARRIAGE

- Planetary drive with axial piston motors
- Propel motor shields
- Spring-applied, hydraulically released automatic propel brake
- Track guides, front idler and middle 4 per side
- 2-speed travel selection through display and on dozer lever
- 7 lower track rollers each side
- 1 upper carrier roller each side
- Dozer blade with cylinder guarding
- Tie downs on track frame and dozer blade
- 600mm (24") wide tripple grouser steel tracks
- Undercarriage frame opening guard

UPPERSTRUCTURE

- Right-hand, left-hand, and counterweight mirrors
- Lockable cab, hood, and service doors
- Debris screen in side panel
- Remote-mounted engine oil and fuel filters
- Daily fluid level inspection visible from ground
- Rear reflectors

ATTACHMENTS

- Convenient grease points
- Dirt seals on all bucket pins
- Thumb bracket

ATTACHMENTS

- Oil-impregnated bushings
- Reinforced thrust plates
- Quick coupler plumbing to end of the stick

OPERATOR'S STATION

- Hydraulic pilot controls for boom, stick, swing, and travel operations
- Proportional auxiliary switches on joystick
- Travel levers with foot pedals
- Bluetooth handsfree radio integrated into display
- Rear view camera
- Cell phone tray
- Weight adjustable suspension cloth seat with adjustable armrests
- 3" seat mounted lap belt
- Emergency stop switch
- Sliding front window
- Removable lower front window
- Window breaker
- ECO mode switch
- 8 tool selection modes
- Fully adjustable auxiliary flow circuit and pressure from display
- Operator passcode
- Multifunction LCD touchscreen display with diagnostic capability / multiple-language
- System monitoring features: auto-idle indicator, 2-speed indicator, work-mode indicator, preheat icon, time and date, battery charge icon, throttle position, engine oil pressure alarm, DPF regeneration inhibit indicator, fuel level gauge, maintenance needed icon, failure code, standard/eco work mode icon, engine coolant temperature, coolant temp alarm, severe failure alarm, work tool mode icon, operating hours
- High performance heating, ventilation, and air conditioning system
- Operation and maintenance manual storage
- Heavy duty removeable rubber floor mat
- Front windshield wiper with high and low speed
- Horn, electric
- Hour meter, electric
- Hydraulic shutoff lever, all controls
- Interior light
- Cup holder
- Travel alarm with cancel switch
- Transparent overhead hatch with retractable sun shade

ELECTRICAL

- 12V electrical system
- Maintenance free battery
- Ground level battery disconnect
- Terminal battery covers
- 80-amp alternator

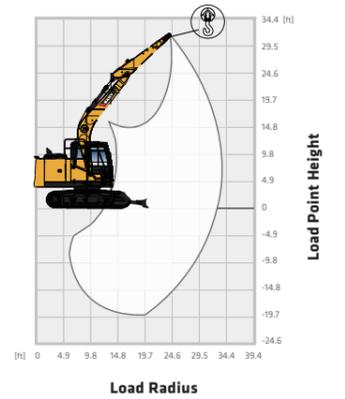
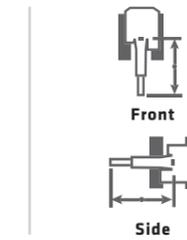
LIGHTS

- Work lights: 2 mounted on top of cab, 1 on boom, 1 on platform, magnetic beacon

LIFTING PERFORMANCE

- Standard 15' 1" Boom
- Standard 8' 2" Stick
- Standard 1' 11" 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.



Blade Up

LOAD RADIUS	6.5'		9.8'		13.1'		16.4'		19.7'		22.9'		AT MAX REACH	
LOAD POINT HEIGHT														
22.9 ft					7,055 lbs	7,055 lbs							5,622 lbs	5,622 lbs
19.7 ft							6,945 lbs	6,945 lbs					4,960 lbs	4,960 lbs
16.4 ft							7,716 lbs	7,716 lbs	5,291 lbs	5,291 lbs			4,630 lbs	4,630 lbs
13.1 ft					8,708 lbs	8,708 lbs	8,157 lbs	7,086 lbs	7,826 lbs	5,365 lbs			4,519 lbs	4,519 lbs
9.8 ft			12,787 lbs	12,787 lbs	10,251 lbs	10,251 lbs	8,929 lbs	6,884 lbs	8,157 lbs	5,264 lbs			4,519 lbs	4,519 lbs
6.5 ft			16,535 lbs	13,767 lbs	12,015 lbs	9,111 lbs	9,921 lbs	6,681 lbs	8,708 lbs	5,163 lbs	5,071 lbs	4,150 lbs	4,630 lbs	4,630 lbs
3.3 ft			14,991 lbs	13,059 lbs	13,558 lbs	8,706 lbs	10,803 lbs	6,479 lbs	9,149 lbs	5,062 lbs	5,401 lbs	4,049 lbs	4,850 lbs	4,850 lbs
0 ft			14,881 lbs	12,755 lbs	14,330 lbs	8,503 lbs	10,803 lbs	6,479 lbs	9,480 lbs	4,960 lbs			5,181 lbs	5,181 lbs
-3.3 ft	10,031 lbs	10,031 lbs	18,629 lbs	12,654 lbs	14,440 lbs	8,301 lbs	11,464 lbs	6,175 lbs	9,370 lbs	4,859 lbs			5,732 lbs	5,732 lbs
-6.5 ft	15,212 lbs	15,212 lbs	17,968 lbs	12,755 lbs	13,889 lbs	8,301 lbs	11,023 lbs	6,175 lbs	8,708 lbs	4,859 lbs			6,724 lbs	6,724 lbs
-9.8 ft	21,164 lbs	21,164 lbs	15,873 lbs	12,856 lbs	12,346 lbs	8,402 lbs	9,590 lbs	6,276 lbs					8,267 lbs	8,267 lbs
-13.1 ft			12,125 lbs	12,125 lbs	9,149 lbs	9,149 lbs							7,826 lbs	7,826 lbs

Blade Down

LOAD RADIUS	6.5'		9.8'		13.1'		16.4'		19.7'		22.9'		AT MAX REACH	
LOAD POINT HEIGHT														
22.9 ft					7,055 lbs	7,055 lbs							5,622 lbs	5,622 lbs
19.7 ft							6,945 lbs	6,945 lbs					4,960 lbs	4,960 lbs
16.4 ft							7,716 lbs	7,716 lbs	5,291 lbs	5,291 lbs			4,630 lbs	4,630 lbs
13.1 ft					8,708 lbs	8,708 lbs	8,157 lbs	7,086 lbs	7,826 lbs	5,365 lbs			4,519 lbs	4,519 lbs
9.8 ft			12,787 lbs	12,787 lbs	10,251 lbs	10,251 lbs	8,929 lbs	6,884 lbs	8,157 lbs	5,264 lbs			4,519 lbs	4,519 lbs
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-9.8 ft	21,164 lbs	21,164 lbs	15,873 lbs	12,856 lbs	12,346 lbs	8,402 lbs	9,590 lbs	6,276 lbs					8,267 lbs	8,267 lbs
-13.1 ft			12,125 lbs	12,125 lbs	9,149 lbs	9,149 lbs							7,826 lbs	7,826 lbs

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