

# SY500H Hydraulic Excavator



## KEY FEATURES

- First-class components guarantee reliable operation in heavy-duty mining conditions
- Powerful engine and large bucket capacity provide fast operation and high efficiency
- Removable counterweight reduces travel restrictions and lowers transportation expenses
- Large engine compartment makes maintenance and service easier
- More than 20 options available to suit specific project conditions
- Long-life oil and filters extend maintenance cycles and reduce service costs
- Optimized cabin for excellent visibility and maximum operator comfort & safety

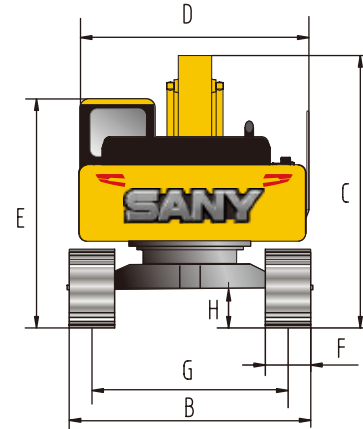
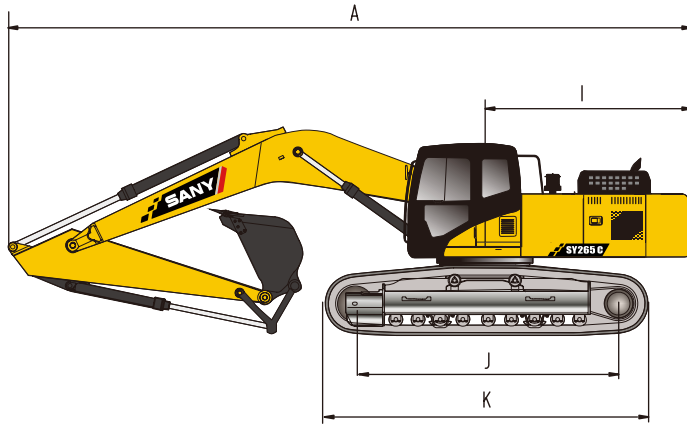
**Rated Power**  
400 hp / 298 kW

**Dig Depth**  
27' 1" / 8255 mm

**Operating Weight**  
115,743 lbf-ft / 52,500 kg

**Bucket Breakout**  
61,822 lbf / 275 kN

# SY500H Dimensions & Specifications

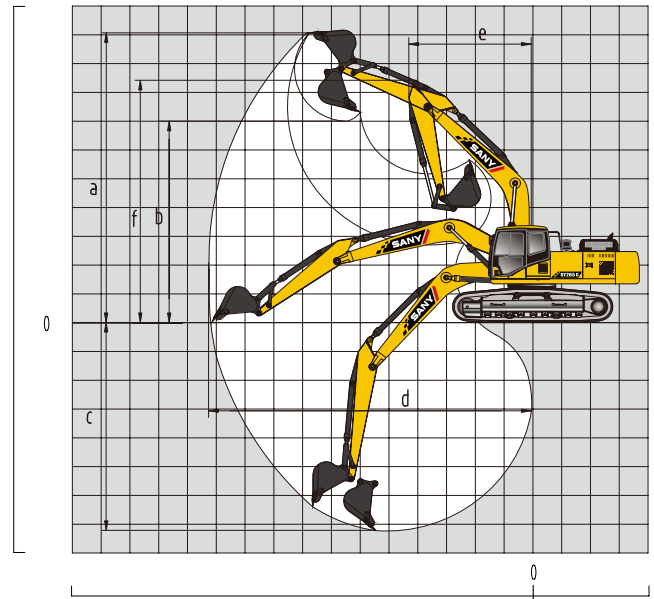


## OVERALL DIMENSIONS

	Standard	Metric
A Transport Length	39' 10"	12157 mm
B Transport Width	11' 11"	3640 mm
C Transport Height	12' 4"	3768 mm
D Upper Width	10' 9"	3292 mm
E Cab Height	11' 2"	3423 mm
F Track Shoe Width (standard)	2' 11"	900 mm
G Track Gauge	8' 11"	2740 mm
H Minimum Ground Clearance	1' 10"	560 mm
I Tail Swing Radius	12' 7"	3850 mm
J Length Center Idler to Center Sprocket	14' 5"	4412 mm
K Track Length	17' 10"	5459 mm
Boom Length	22' 11"	7000 mm
Arm Length (standard)	12' 9"	3900 mm

## MACHINE PARAMETERS

Operating Weight	115,743 lb (52500 kg)
Engine Type	Cummins QSB12 T4 final
Engine Max Power (Gross)	400 hp (298 kW) @ 2100rpm
Engine Max Torque	1501 lbf-ft (2034 Nm) @ 1400 rpm
Engine Displacement	720 in <sup>3</sup> (11.8 liter)
Main Pump Flow	2x 95 gpm 360 lpm)
Swing Speed	8.0 rpm
Travel Speed	1.9/3.4 mph (3.1/5.4 km/h)
Tractive Effort	75,086 lbf-ft (334 kN)
Max Arm Digging Force (ISO)	46,535 lbf-ft (207 kN)
Number of Upper Rollers	2
Number of Lower Rollers	9
Fuel Tank Capacity	180 gal (680 liter)
DEF Tank Capacity	14.7 gal (56 liter)
Hydraulic Tank Capacity	127 gal (480 liter)
Cooling System Capacity	13.0 gal (50 liter)
Engine Oil Capacity	9.0 gal (33 liter)
Ground Pressure (31.5"/800mm shoes)	8.6 psi (59 kPa)



## WORKING RANGE

	Standard	Metric
a Maximum Digging Height	36' 5"	11112 mm
b Maximum Dumping Height	25' 8"	7843 mm
c Maximum Digging Depth	27' 1"	8255 mm
d Maximum Vertical Wall Digging Depth	41' 1"	12537 mm
e Maximum Digging Reach	17' 2"	5237 mm
f Minimum Swing Radius	29' 8"	9057 mm
g Maximum Height at Minimum Swing Radius	22' 0"	6725 mm

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