



SY500H

Hydraulic Excavator



KEY FEATURES

- Equipped with a powerful and efficient Cummins QSG 12 Tier 4f engine with an intelligent hydraulic system to match engine response
- Standard Removable Counterweight system
- X-beam design uses a high strength box-section structure for maximum durability and excellent torsion resistant performance
- Standard with auxiliary hydraulic lines plumbed down to the arm for ready-to-use hydraulic power
- The widened, heated suspension seat was carefully selected based on many hours of operator feedback

Total Weight

52,500 Kg - 115,743 lb

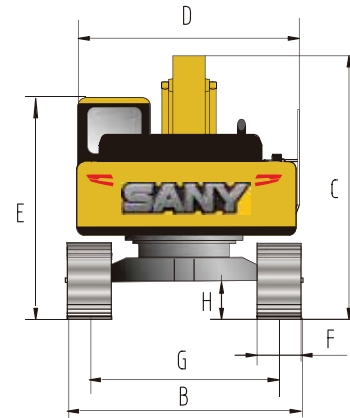
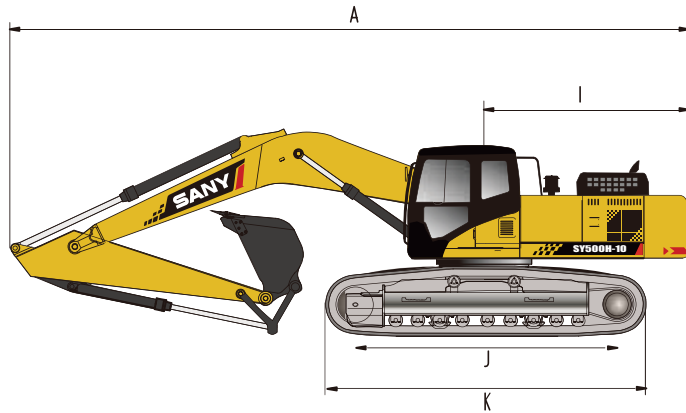
Rated Power

298 kW/2,100 rpm -
400 hp/2,100 rpm

Bucket Digging Force

275 kN - 61,822 lb

SY500H Dimensions & Specifications

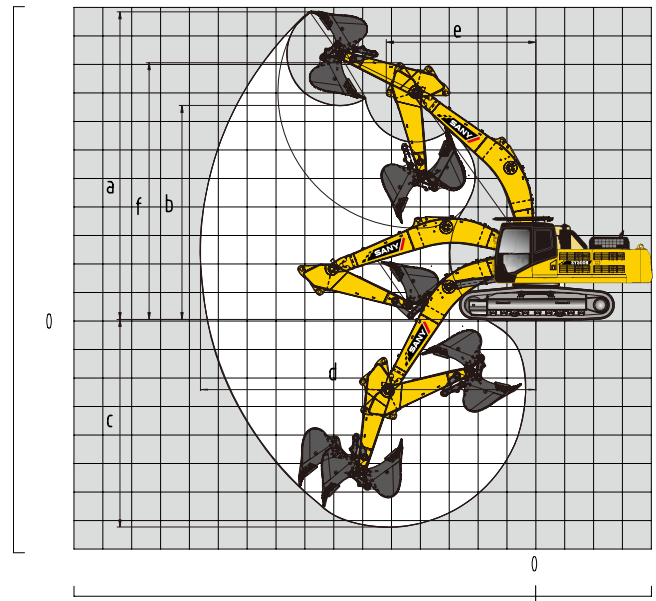


OVERALL DIMENSIONS

| | Standard | Metric |
|--|----------|-----------|
| A Transport Length | 39' 10" | 12,157 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 (52,500 kg) |
| Engine Type | Cummins QSG12 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 ³ (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" | 11,112 mm |
| b Maximum Dumping Height | 25' 8" | 7843 mm |
| c Maximum Digging Depth | 27' 1" | 8255 mm |
| d Maximum Digging Reach | 41' 1" | 12,537 mm |
| e Maximum Swing Radius | 17' 2" | 5237 mm |
| f Minimum Height at Minimum Swing Radius | 29' 8" | 9057 mm |
| g Maximum Vertical Wall Digging Depth | 22' 0" | 6725 mm |

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