

# SY365H

## PRODUCT SPECIFICATIONS

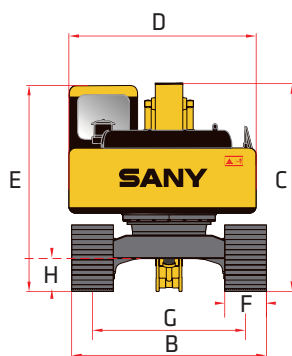
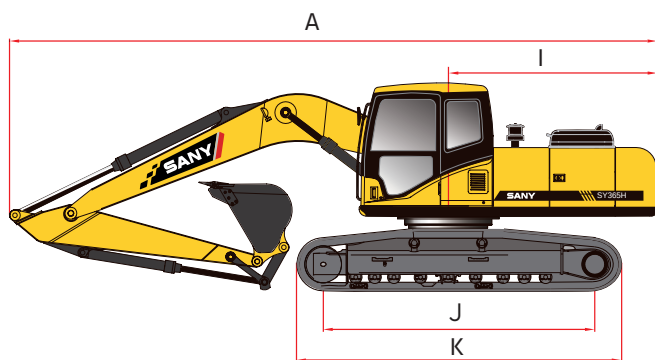


## STANDARD FEATURES

- Powerful, robust and reliable powertrain and hydraulic components for long life in the most demanding applications
  - Optimized negative flow control hydraulics improve operating efficiency by up to 5% and fuel efficiency by up to 10%
  - A high-performance cooling system equipped with electronic control fan clutch provides clean, quiet operation
  - Selectable working modes match machine performance to the application, maximizing productivity and minimizing operating costs
- ➔ **Gross Power**  
231.0 kW / 314 HP
  - ➔ **Dig Depth**  
7337 mm / 24'
  - ➔ **Operating Weight**  
39000 kg / 85,980 lb
  - ➔ **Bucket Breakout**  
235.0 kN / 52,875 lbf

# SY365H || PRODUCT SPECIFICATIONS

## DIMENSIONS



## DIMENSIONS

|                               |          |        |
|-------------------------------|----------|--------|
| Boom Length                   | 6500 mm  | 21' 4" |
| Stick (Arm) Length            | 3200 mm  | 10' 6" |
| A Transport Length            | 11137 mm | 36' 6" |
| B Transport Width             |          |        |
| 600mm shoes (NLC)             | 2990 mm  | 9' 9"  |
| 600mm shoes (LC)              | 3190 mm  | 11' 1" |
| C Transport Height            | 3755 mm  | 12' 3" |
| D Upper Structure Width       | 2986 mm  | 9' 9"  |
| E Cab Height                  | 3490 mm  | 11' 5" |
| F Track Width (standard shoe) | 600 mm   | 1' 11" |
| G Track Gauge                 |          |        |
| NLC                           | 2390 mm  | 7' 10" |
| LC                            | 2590 mm  | 8' 6"  |
| H Ground Clearance            | 550 mm   | 22"    |
| I Tailswing Radius            | 3461 mm  | 11' 4" |
| J Track Length on Ground      | 4140 mm  | 13' 7" |
| K Track Length                | 5068 mm  | 16' 7" |

**Powerful, robust and reliable powertrain and hydraulic components**

## TECHNICAL SPECIFICATIONS

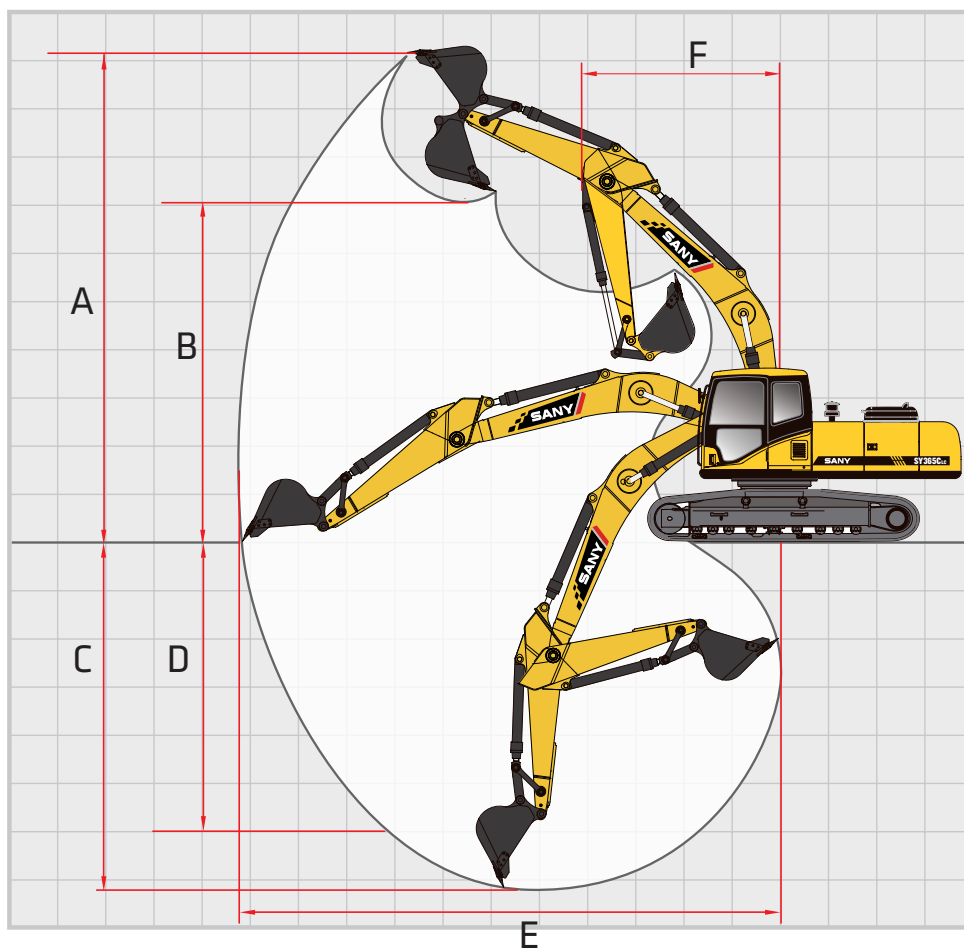
|                                 |                                          |                       |
|---------------------------------|------------------------------------------|-----------------------|
| Operating Weight                | 39000 kg                                 | 85,980 lb             |
| Ground Pressure                 | 68.0 kPa                                 | 9.86 psi              |
| <b>Engine</b>                   | Cummins QSL9 Stage V                     |                       |
| Displacement                    | 8.9 L                                    | 543.1 in <sup>3</sup> |
| Gross Power                     | 231 kW                                   | 314 HP                |
| <b>Hydraulics</b>               | Negative Flow Control with Pilot Control |                       |
| Main Hydraulic Pump             | Axial Piston - Variable Displacement     |                       |
| Operating Flow (maximum)        | 720.0 L/min                              | 158 gal/min           |
| Operating Pressure (maximum)    | 34.3 MPa                                 | 4975 psi              |
| Power Boost Pressure (maximum)  | 37.3 MPa                                 | 5410 psi              |
| <b>Travel Motor</b>             | Axial Piston with Park Brake             |                       |
| Travel Pressure (maximum)       | 34.3 MPa                                 | 4975 psi              |
| Travel Speeds (maximum)         | 3.0 / 5.0 km/hr                          | 2.1 / 3.2 mph         |
| Travel Effort (maximum)         | 320.0 kN                                 | 71,938 lbf            |
| Grade Capability (maximum)      | 35°                                      |                       |
| <b>Swing Motor</b>              | Axial Piston with Swing Brake            |                       |
| Swing Pressure (maximum)        | 27.5 MPa                                 | 3989 psi              |
| Swing Speed (maximum)           | 8.8 RPM                                  |                       |
| <b>Undercarriage</b> (standard) | Steel Track                              |                       |
| Track Shoe width (standard)     | 600 mm                                   | 1' 11"                |
| Track Rollers (per side)        | 9                                        |                       |
| Carrier Rollers (per side)      | 2                                        |                       |

## SERVICE REFILL CAPACITIES

|                         |         |           |
|-------------------------|---------|-----------|
| Fuel Tank Capacity      | 600.0 L | 132.0 gal |
| DEF Tank Capacity       | 85.0 L  | 19.0 gal  |
| Hydraulic Tank Capacity | 460.0 L | 101.0 gal |
| Engine Oil Capacity     | 21.0 L  | 4.6 gal   |
| Cooling System Capacity | 36.0 L  | 7.9 gal   |

# DIGGING PERFORMANCE || SY365H

## WORKING RANGE



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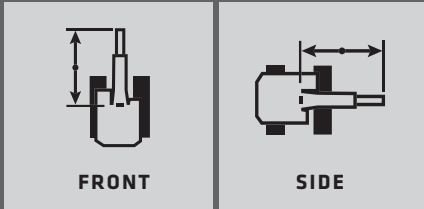
|                                       |          |        |
|---------------------------------------|----------|--------|
| Boom Length                           | 6500 mm  | 21' 4" |
| Stick (Arm) Length                    | 3200 mm  | 10' 6" |
| A Maximum Digging Height              | 10723 mm | 35' 2" |
| B Maximum Dumping Height              | 7396 mm  | 24' 3" |
| C Maximum Digging Depth               | 7337 mm  | 24' 0" |
| D Maximum Vertical Wall Digging Depth | 6480 mm  | 21' 3" |
| E Maximum Reach at Ground Level       | 10831 mm | 35' 6" |
| F Minimum Swing Radius                | 4178 mm  | 13' 8" |

## DIGGING PERFORMANCE

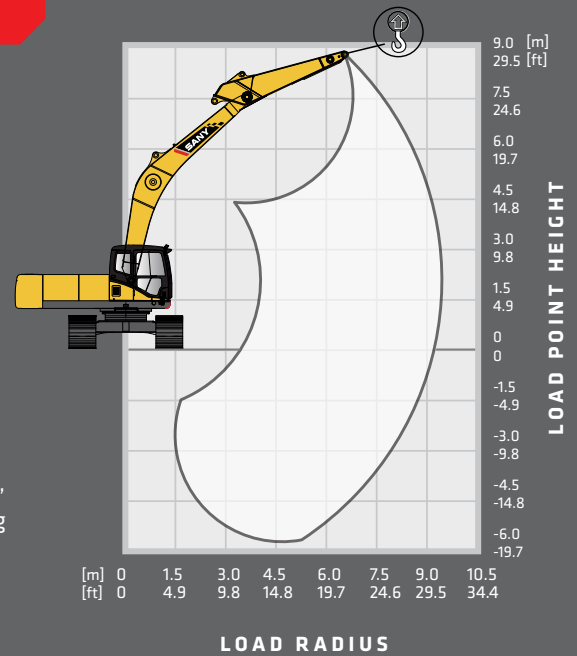
|                                 |          |            |
|---------------------------------|----------|------------|
| Boom Length                     | 6500 mm  | 21' 4"     |
| Stick (Arm) Length              | 3200 mm  | 10' 6"     |
| Bucket Breakout Force (ISO)     | 235.0 kN | 52,875 lbf |
| Stick (Arm) Digging Force (ISO) | 170.0 kN | 38,217 lbf |

# SY365H || LIFTING PERFORMANCE

Standard 6500 mm (21' 4") Boom  
 Standard 3200 mm (10' 6") Arm  
 Standard 600 mm (23.6") 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.



| LOAD RADIUS        | 3.0 m<br>9.8 ft         |                         | 4.5 m<br>14.8 ft        |                         | 6.0 m<br>19.7 ft        |                         | 7.5 m<br>24.6 ft       |                        | 9.0 m<br>29.5 ft       |                      | MAX REACH              |                        |
|--------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|----------------------|------------------------|------------------------|
| LOAD POINT HEIGHT  |                         |                         |                         |                         |                         |                         |                        |                        |                        |                      |                        |                        |
| 7.5 m<br>24.6 ft   |                         |                         |                         |                         |                         |                         | 8223 kg*<br>18,129 lb* | 8223 kg*<br>18,129 lb* |                        |                      | 8230 kg*<br>18,144 lb* | 8230 kg*<br>18,144 lb* |
| 6.0 m<br>19.7 ft   |                         |                         |                         |                         |                         |                         | 8275 kg*<br>18,243 lb* | 8275 kg*<br>18,243 lb* |                        |                      | 7995 kg*<br>17,626 lb* | 7517 kg<br>16,572 lb   |
| 4.5 m<br>14.8 ft   |                         |                         | 11749 kg*<br>25,902 lb* | 11749 kg*<br>25,902 lb* | 10119 kg*<br>22,309 lb* | 10119 kg*<br>22,309 lb* | 8742 kg*<br>19,273 lb* | 8742 kg*<br>19,273 lb* | 7940 kg*<br>17,505 lb* | 6832 kg<br>15,062 lb | 7897 kg*<br>17,626 lb* | 6747 kg<br>14,875 lb   |
| 3.0 m<br>9.8 ft    |                         |                         | 15299 kg*<br>33,728 lb* | 15299 kg*<br>33,728 lb* | 11344 kg*<br>25,009 lb* | 11344 kg*<br>25,009 lb* | 9346 kg*<br>20,604 lb* | 8807 kg<br>19,416 lb   | 8141 kg*<br>17,948 lb* | 6727 kg<br>14,830 lb | 7850 kg*<br>17,306 lb* | 6354 kg<br>14,008 lb   |
| 1.5 m<br>4.9 ft    |                         |                         | 16963 kg*<br>37,397 lb* | 16963 kg*<br>37,397 lb* | 12316 kg*<br>27,152 lb* | 10771 kg<br>23,746 lb   | 9846 kg*<br>21,707 lb* | 8557 kg<br>18,865 lb   | 8189 kg<br>18,054 lb   | 6607 kg<br>14,566 lb | 7713 kg*<br>17,004 lb* | 6230 kg<br>13,735 lb   |
| 0 m<br>0 ft        |                         |                         | 17083 kg*<br>37,662 lb* | 17083 kg*<br>37,662 lb* | 12702 kg*<br>28,003 lb* | 10631 kg<br>23,437 lb   | 9697 kg<br>21,378 lb   | 8375 kg<br>18,464 lb   | 8098 kg<br>17,853 lb   | 6520 kg<br>14,374 lb | 7887 kg*<br>17,388 lb* | 6356 kg<br>14,013 lb   |
| -1.5 m<br>-4.9 ft  | 12852 kg*<br>28,334 lb* | 12852 kg*<br>28,334 lb* | 16154 kg*<br>35,613 lb* | 16154 kg*<br>35,613 lb* | 12366 kg*<br>27,262 lb* | 10537 kg<br>23,230 lb   | 9608 kg<br>21,182 lb   | 8291 kg<br>21,707 lb   |                        |                      | 7927 kg*<br>17,476 lb* | 6785 kg<br>14,958 lb   |
| -3.0 m<br>-9.8 ft  | 18272 kg*<br>40,283 lb* | 18272 kg*<br>40,283 lb* | 14325 kg*<br>31,581 lb* | 14325 kg*<br>31,581 lb* | 11179 kg*<br>24,645 lb* | 10554 kg<br>23,268 lb   | 8642 kg*<br>19,052 lb* | 8312 kg<br>18,325 lb   |                        |                      | 7766 kg*<br>17,121 lb* | 7711 kg<br>17,000 lb   |
| -4.5 m<br>-14.8 ft | 13801 kg*<br>30,426 lb* | 13801 kg*<br>30,426 lb* | 11249 kg*<br>24,800 lb* | 11249 kg*<br>24,800 lb* | 8710 kg*<br>19,202 lb*  | 8710 kg*<br>19,202 lb*  |                        |                        |                        |                      | 7176 kg*<br>15,820 lb* | 7176 kg*<br>15,820 lb* |

\* Indicates load limited by hydraulic lifting capacity