

# HYDRAULIC EXCAVATOR **SY235CLR** T3



**SANY**  
AMERICA INC.

**Rated Power**

190 hp / 142 kW

**Operating Weight**

60,960 lb / 27650 kg

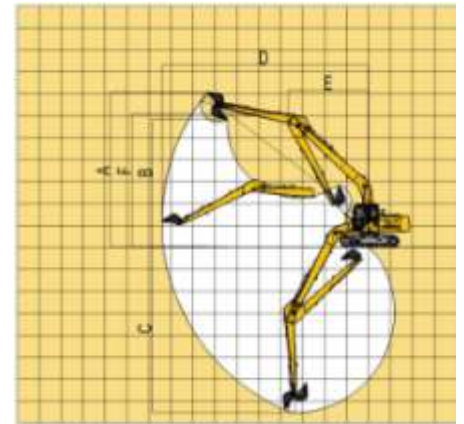
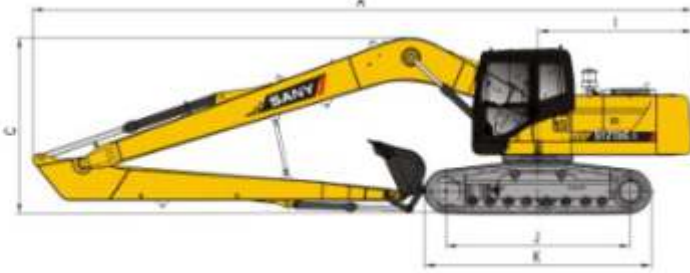
**Dig Depth**

46' 7" / 14.2 m

**Max Reach**

59' 1" / 18 m

# SY235CLC DIMENSIONS & SPECIFICATIONS



## OVERALL DIMENSIONS

A. Transport Length	45' 3" (13790 mm)
B. Transport Width	10' 5" (3180 mm)
C. Transport Height	11' 6" (3350 mm)
D. Upper Width	8' 11" (2710 mm)
E. Cab Height	10' 0" (3050 mm)
F. Track Shoe Width (standard)	31.5" (800 mm)
G. Track Gauge	9' 6" (2890 mm)
H. Minimum Ground Clearance	1' 7" (480 mm)
I. Tail Swing Radius	9' 6" (2890 mm)
J. Length Center Idler to Center Sprocket	12' 7" (3830 mm)
K. Track Length	15' 2" (4635 mm)
Boom Length	32' 2" (9800 mm)
Arm Length (standard)	24' 7" (7500 mm)

## WORKING RANGE

a Maximum Digging Height	46' 2" (14070 mm)
b Maximum Dumping Height	38' 9" (11820 mm)
c Maximum Digging Depth	46' 7" (14190 mm)
d Maximum Vertical Wall Digging Depth	58' 4" (17770 mm)
e Minimum Swing Radius	21' 5" (615 mm)
f Maximum Height at Minimum Swing Radius	36' 2" (11010 mm)

## MACHINE PARAMETERS

Operating Weight	60,960 lb (27650 kg)
Engine Type	Cummins QSB6.7 T3
Engine Max Power (Gross)	195 hp (145 kW) @ 1950rpm
Max Bucket Capacity	0.8 yard <sup>3</sup> (0.6 meter <sup>3</sup> )
Auxiliary lines	Standard

## LIFTING CAPACITIES

Load point height	Load radius										At max. reach				
	9.8 ft (3.0 m)		19.7 ft (6.0 m)		29.5 ft (9.0 m)		39.4 ft (12.0 m)		49.2 ft (15.0 m)						
													feet (meter)		
29.5 (9.0)	lb kg												*1907 *865	*1907 *865	46.8 (14.8)
19.7 (6.0)							4797 2176	4797 2176	*2899 *1315	*2899 *1315	*1731 *785	*1731 *785	52.3 (15.9)		
9.8 (3.0)					*5847 *2652	*5847 *2652	5880 2677	5880 2677	*3371 *1529	2901 1316	*1596 *724	*1596 *724	53.9 (16.4)		
0 (0)	*8236 *3736	*8236 *3736	*14321 *6496	*14321 *6496	*5935 *2692	*5935 *2692	6568 2979	7169 3252	*3990 *1810	2654 1204	*1863 *845	*1863 *845	53.6 (16.3)		
-9.8 (-3.0)	*11505 *5219	*11505 *5219	*16806 *7623	13614 6175	8532 3870	*9773 *4433	6243 2832	8303 3766	*4952 *2246	2500 1134	*3583 *1625	2028 920	51.5 (15.7)		
-19.7 (-6.0)	*15532 *7045	*15532 *7045	*17917 *8127	15091 6845	9381 4255	*10948 *4966	6111 2772	8671 3933			*4316 *1958	2789 1265	47.3 (14.5)		
-29.5 (-9.0)	*20360 *9235	*20360 *9235	*18177 *8245	16751 7598	9531 4323	*11102 *5036	6261 2840	8830 4005			*6272 *2845	3891 1765	40.4 (12.3)		
-39.4 (-12.0)	*22591 *10247	*22591 *10247	*18397 *8345	15752 7145							*7712 *3498	6823 3095	28.7 (8.7)		

Notes: (1) Ratings are based on ISO 10576. (2) Lift capacity of the SY235CLR Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity not including the use of power boost. (3) The load point is the centerline of the bucket pivot mounting pin on the arm. (4)\*Indicates load limited by hydraulic capacity. (5) 0 m = Ground level.



Rating over-front



Rating over-side



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