

Technical specifications

Specifications		Main performance	
Total weight	21900kg	Traveling speed (high/low)	5.4/3.3(km/h)
		Gradeability	70%(35°)
Engine		Ground pressure	47.4/45.9kPa
Model	4M50	Digging force of bucket	138kN/148kN (turbocharged in two times)
Type	4-cylinder, 4-stroke, water-cooled, electronic injection, common rail, with turbocharger	Digging force of arm	103kN/107kN (turbocharged in two times)
Rated power	118kW/2000rpm		
Maximum torque	580N.m/1600rpm		
Displacement	4.9L		

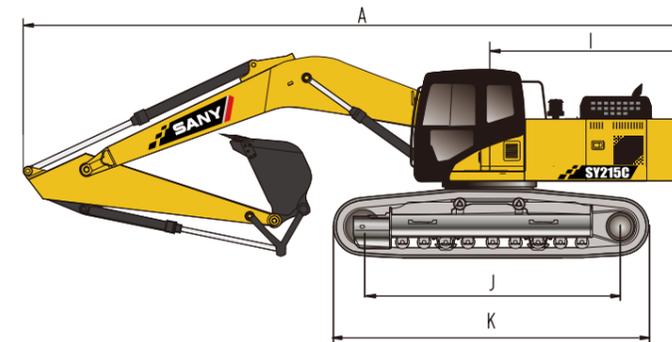
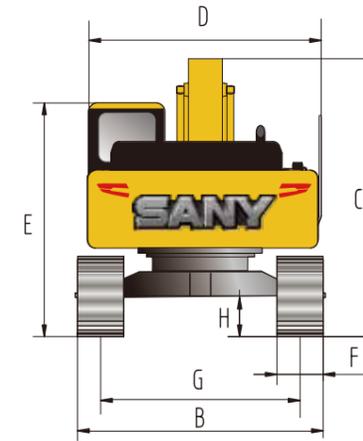
Capacity of oil and coolant		Traveling section	
Fuel tank	340L	Number of track shoes	47
Hydraulic oil	239L	Carrier wheel on each side	2
Coolant	29L	Thrust wheel on each side	8
Final drive	2×5.0L	Standard track	600mm
Engine oil	22L		

Table of Lifting Capacity

SY215C		Rated lifting capacity under first working condition		Rated lifting capacity under second working condition		Removed bucket weight: 770kg		Unit: kg				
Conditions	B	A						Maximum point position				
		3.0m	4.5m	6.0m	7.5m	9.0m	mm					
Bucket rod 2919mm Boom 5700mm Counter weight 5700kg	7.5m			4439.18	4439.18			3142.46	3142.46	6275		
	6.0m			5210.52	4631.08			3143.33	3143.33	7360		
	4.5m			5905.03	4466.82	4636.06	3133.94	3099.06	2783.4	8025		
	3.0m		8686.56	6388.9	6380.68	4225.13	4523.84	3031	3182.79	2540.63	8370	
	1.5m			9504.66	5894.4	6112.18	3985.7	4396.98	2914.62	3381.35	2450.68	8435
	0	6663.3	6663.3	9129.42	5577.9	5922.25	3816.32	4296.37	2822.33	3717.27	2494.18	8230
	-1.5m	10709	10353.9	9085.85	5541.2	5840.95	3743.83	4275.64	2803.31	4110.75	2703.05	7730
-3.0m	16361	10539.8	9156.21	5600.5	5882.45	3780.84			4996.22	3295.6	6870	
-4.5m	14692	10913	9415.98	5819.6					6959.28	4477.58	5485	

- The lifting capacity is calculated in accordance with ISO10560 and SAEJ1097, where limit coefficient of hydraulic system is 0.87 and tilting limit coefficient is 0.75;
- The item with the mark * is limited by hydraulic pressure and the item without the mark "*" is limited by stability;
- Lifting point is front support hole of bucket rod (excluding the weight of bucket). It is necessary to deduct from the above lifting capacity if additional accessory is installed such as bucket etc.
- Lifting capacity of SY225C is improved by 1.04 times on the basis of SY215C.

Overall dimensions (mm)



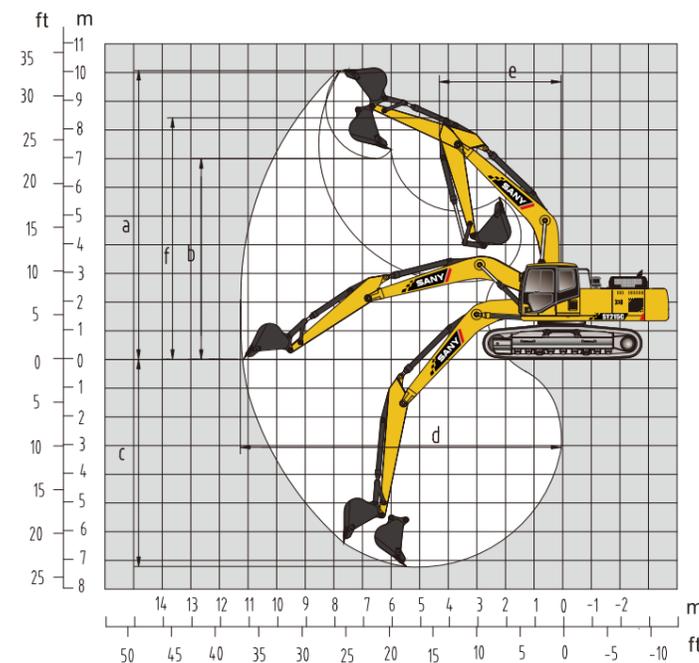
Overall dimensions: mm SY215C

A. Overall length (in transportation state)	9680
B. Overall width	2980
C. Overall height (in transportation state)	3440
D. Upper width	2875
E. Overall height (cab top)	3075
F. Width of standard track shoe	600
G. Track gauge	2380
H. Minimum ground clearance	440
I. Slewing radius of tail	2900
J. Ground contact length of track	3445
K. Track shoe length	4250

Performance Parameters SY215C

Total weight, kg	21900
Bucket capacity, m ³	0.93
Rated power, kW/rpm	118/2000
Traveling speed (high/low), km/h	5.4/3.3
Slewing speed, rpm	11
Gradeability	70%/35°
Ground pressure, kPa	47.4
Digging force of bucket, kN	138/148
Digging force of bucket rod, kN	103/107

Operating range (mm)



Operating range: mm SY215C

a. Maximum digging height	9600
b. Maximum unloading height	6730
c. Maximum digging depth	6600
d. Maximum digging distance	10280
e. Minimum slewing radius	3730
f. Maximum height at minimum slewing radius	7680



Classic *SY215* Succession Value leader

**New-generation Super Hydraulic
Excavator for Earthwork**

