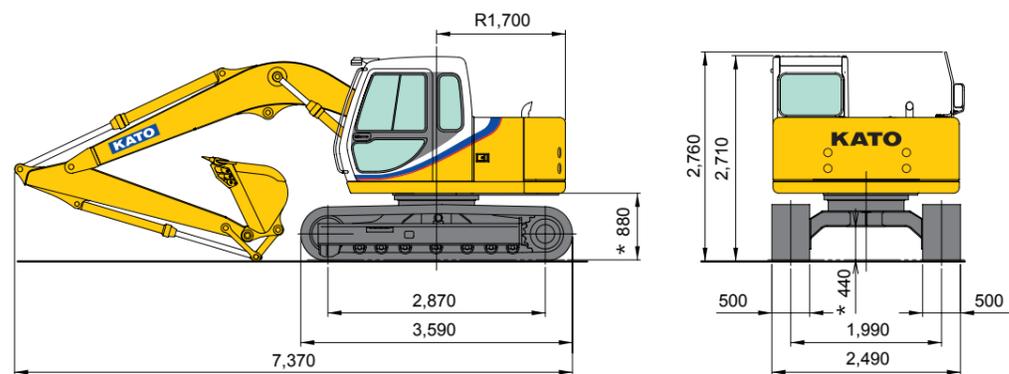


**Dimensions**

(Unit: mm)



\* Less grouser bar

**General data**

Model name .....	HD513MRⅢ
Operating weight .....	13,200 kg
Bucket capacity .....	0.25 ~ 0.60 m <sup>3</sup> (ISO)
Swing speed .....	12.5 min <sup>-1</sup>
Travel speed .....	5.0/3.1/2.4 km/h
Bucket/arm digging force .....	88 kN/64 kN
	{high-power mode: 98 kN/71 kN}
Standard shoe width.....	500 mm
Ground pressure .....	41.0 kPa
Engine model .....	Mitsubishi 4D34-TLE2A, 4 cycle intercooler turbo-charged diesel engine
Rated engine output.....	68 kW/2,050 min <sup>-1</sup>
Fuel tank capacity .....	210 L
Hydraulic pump type.....	Double variable piston pump and gear pump
Set pressure .....	29.4 MPa 32.9 MPa Travel only
Travel motor type .....	Piston motor x 2
Hydraulic oil tank capacity.....	136 L (level 74 L)

NOTE : Illustrations may include optional equipment. KATO products and specifications are subject to improvements and changes without notice.

Address inquiries to :



**KATO WORKS CO.,LTD.**

9-37, Higashi-ohi 1-chome, Shinagawa-ku, Tokyo 140-0011, Japan.  
 Tel. : Head Office Tokyo(03)3458-1111  
 Overseas Marketing Department Tokyo(03)3458-1115  
 Fax. : Tokyo(03)3458-1152  
 URL http://www.kato-works.co.jp

**KATO**

**SUPER EXCEED**

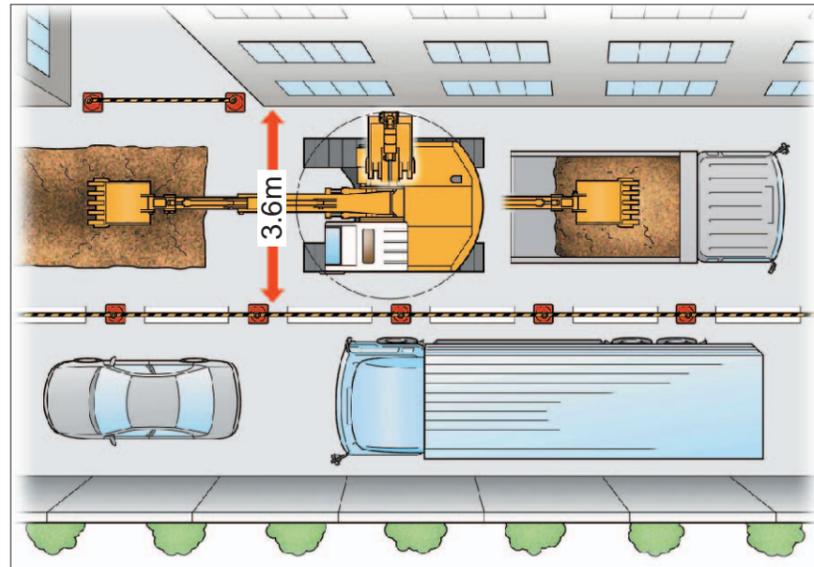
**HD513MRⅢ**

COMPACT TAIL SWING MODEL

Bucket capacity: 0.25m<sup>3</sup> - 0.60m<sup>3</sup> (ISO)  
 Engine output: 68kW/2,050min<sup>-1</sup> (ISO Net)  
 Operating weight: 13,200kg



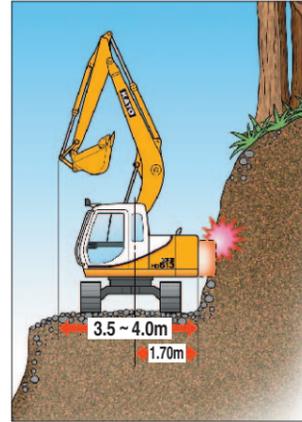
# IT'S CITYRANGE WORKABLE IN THE LIMITED



## Compact Swing Radius

Compact swing radius fit in narrow street gives us greater opportunity to get job done without stress on the street.

Compact tail swing radius way in handles big work in the tight space safely without hit own tail.



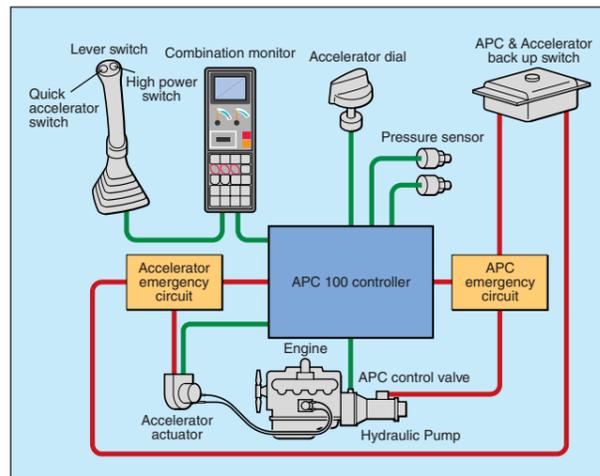
## Precision Work

State of the art combination with computer system "APC(Automatic Power Control)", hydraulic system and also fatigue free operator's seat pulls out precision fine work on your demands always.

## Comfortable Cabin

Low mechanical & Hydraulic noise and also low vibration dumped by 6 points viscous mounting cab reduce fatigue of operator even in heavy work.

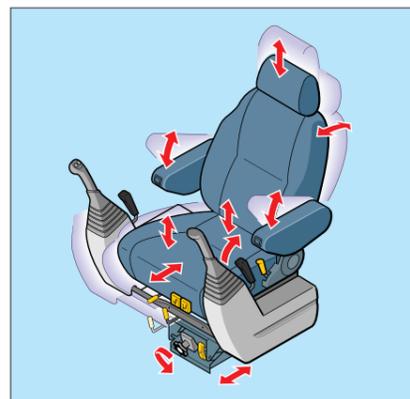
Wide visibility from the eye point of the operator sit in the comfortable operator's seat guarantees the safe and fine works at the tight corner of the narrow job site. Also easy access to all levers and switches from the operator's position keeps comfortable operation. Try our super cabin, and you will never forget about the feeling of "Super-Exceed".



APC(Automatic Power Control) system



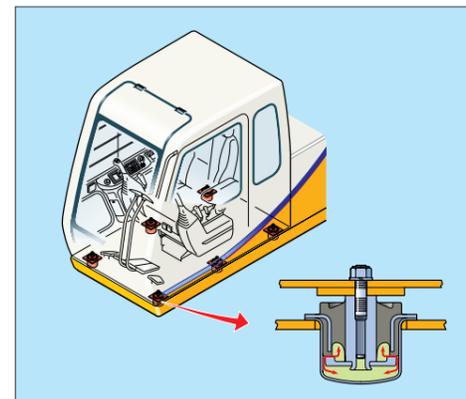
Combination monitor



Exceptionally comfortable suspension seat is adjustable to the operator's weight

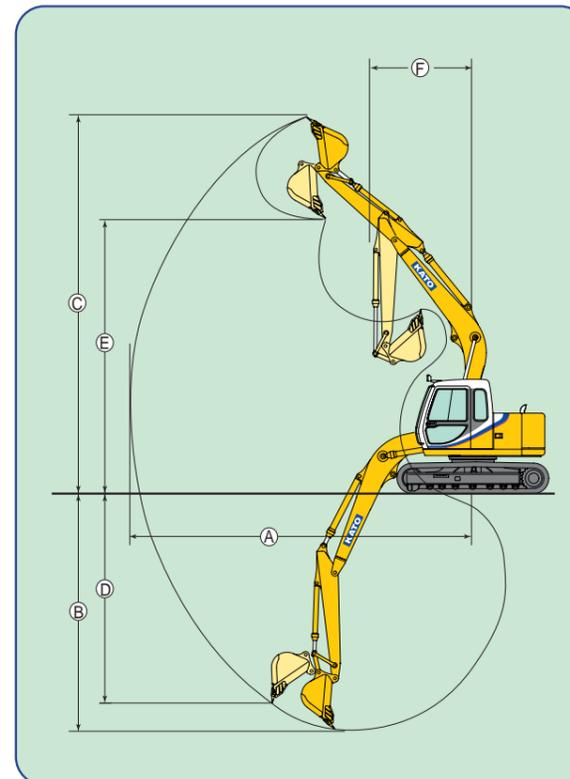


Comfort features are included to keep you from feeling fatigue! A wide large-model cab



Six-point viscous damping cab suspension

## Working Ranges



(Unit : mm)

Range (mm)	Arm	Short Arm (2.1m)	STD Arm (2.5m)	Long Arm (3.0m)
A -Max. digging radius		8,010 (8,010)	8,380 (8,380)	8,840 (8,840)
* B -Max. digging depth		5,180 (4,250)	5,580 (4,650)	6,090 (5,160)
* C -Max. digging height		8,610 (9,290)	8,850 (9,610)	9,130 (10,010)
* D -Max. vertical wall		4,570 (3,710)	4,960 (4,090)	5,340 (4,580)
* E -Max. dumping height		6,240 (6,910)	6,480 (7,230)	6,770 (7,620)
F -Min. swing radius		2,390 (1,700)	2,380 (1,800)	2,490 (2,060)

\*Less grouser bar.

Values in ( ) are for the small swing position.

## Bucket

Type of bucket		Backhoe bucket						Slope forming bucket	
Bucket capacity	m <sup>3</sup> , ISO	0.25	0.35	0.40	0.45	0.50	0.55	0.60	—
Bucket width	W/O side cutters, mm	540	695	785	875	910	1,000	1,090	1,800
	with side cutters, mm	630	785	875	965	1,000	1,090	1,180	1,000
Bucket weight	kg	290	340	370	380	420	440	460	620
Number of bucket teeth		3	4	4	4	5	5	5	—
Shape of bucket									
Standard boom +	Short arm								
	Standard arm								
	Long arm					*	x	x	x
	Extension arm (1,000mm)			x	x	x	x	x	x

General purpose Light work Loading Usable x Unusable

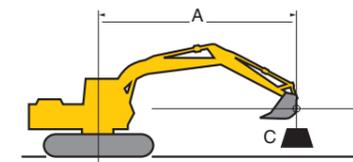
\*Usable only when 700mm shoe is fitted on.

Yellow colored area means standard.

## Track Shoes

Type of shoes	Grouser shoe			Flat shoe	Triangle shoe	
Shoe width	mm	500	600	700	500	700
Overall width	mm	2,490	2,590	2,690	2,490	2,690
Ground pressure	kPa	41	35	31	43	30
Net weight change	kg	S.T.D	+180	+480	+420	+460

Yellow colored area means standard.



A : REACH FROM SWING CENTERLINE  
B : BUCKET HOOK HEIGHT  
C : LIFTING CAPACITIES

: OVER FRONT

: OVER SIDE OR 360°

## Lifting Capacities

HD513MRIII 500mm Shoe, 4.65m Boom, 2.50m Arm, 0.50m<sup>3</sup> (415kg)

UNIT : 1000 kg

LOAD POINT HEIGHT B m	OUTREACH A m										RATING AT MAXIMUM REACH				
	2.00		3.00		4.00		5.00		6.00		7.00		m		
5.00															
4.00					*2.40	*2.40	*2.38	*2.38	*2.39	2.01	*1.56	1.48	*1.48	1.47	7.02
3.00	*5.99	*5.99	*3.95	*3.95	*3.20	*3.20	*2.84	2.65	*2.65	1.94	2.17	1.46	*1.50	1.34	7.29
2.00			*5.82	5.64	*4.14	3.58	*3.37	2.52	2.76	1.86	2.12	1.42	*1.57	1.27	7.41
1.00			*4.98	*4.98	*4.99	3.36	3.59	2.39	2.68	1.79	2.08	1.38	*1.68	1.25	7.39
0.00	*3.02	*3.02	*4.81	*4.81	5.00	3.21	3.49	2.29	2.61	1.73	2.04	1.34	*1.86	1.27	7.23
-1.00	*4.64	*4.64	*4.80	*4.80	4.91	3.13	3.42	2.23	2.57	1.69			2.06	1.35	6.93
-2.00	*4.83	*4.83	*4.86	*4.86	4.89	3.12	3.40	2.22	2.57	1.69			2.31	1.52	6.44
-3.00	*4.76	*4.76	*5.05	5.04	4.93	3.15	3.43	2.25					2.79	1.84	5.74
-4.00	*4.92	*4.92	*5.54	5.19	*5.03	3.26							3.86	2.55	4.73

NOTE : 1. Lifting capacities are based on ISO 10567.

2. Lifting capacities shown do not exceed 87% of machine hydraulic capacity or 75% of minimum tipping load.

3. Capacities marked with an asterisk (\*) are limited by hydraulic capacities.

4. Lifting capacities are based on machine standing on firm, uniform supporting surface.

User must make allowances for job conditions such as soft or uneven ground.

5. Lifting capacities shown should not be exceeded. Weight of all lifting accessories must be deducted from the above lifting capacities.

6. Capacities apply only to the machine as originally manufactured and equipped by KATO WORKS CO., LTD.

7. The operator should be fully acquainted with the operation manual before operating the machine.