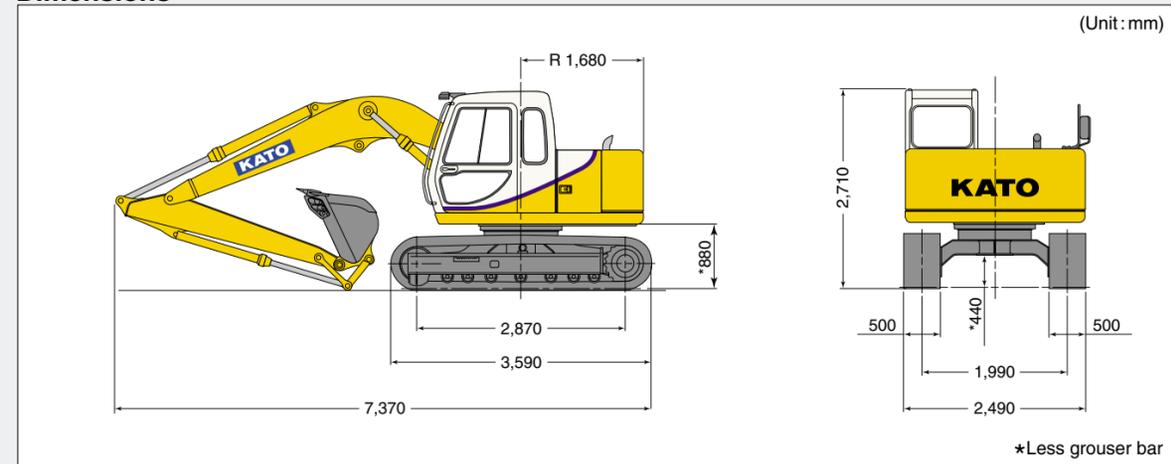


**SUPER EXCEED**

**HD513MR**

**Dimensions**



**General data**

- Model name ..... HD513MR
- Operating weight ..... 13,200 kg
- Bucket capacity ..... 0.25 ~ 0.60 m<sup>3</sup> (ISO)
- Swing speed ..... 12.5 min<sup>-1</sup> (12.5 rpm)
- Travel speed ..... 5.0/3.1/2.4 km/h
- Bucket/arm digging force ..... 88.3 kN (9.0 tf)/63.7 kN (6.5 tf)  
{high-power mode: 98.1 kN (10.0 tf) /70.6 kN (7.2 tf)}
- Standard shoe width ..... 500 mm
- Ground pressure ..... 41.2 kPa (0.42 kgf/cm<sup>2</sup>)
- Engine model ..... Mitsubishi 4D34-TE1, 4-cycle turbo-charged diesel engine
- Rated engine output ..... 68 kW/2,050 min<sup>-1</sup> (92 PS/2,050 rpm)
- Fuel tank capacity ..... 210 L
- Hydraulic pump type ..... Double variable piston pump and gear pump
- Set pressure ..... 29.4 MPa (300 kgf/cm<sup>2</sup>) 32.9 MPa (335 kgf/cm<sup>2</sup>) Travel only
- Travel motor type ..... Piston motor x 2
- Hydraulic oil tank capacity ..... 136 L (level 74 L)

Address inquiries to :

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



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**KATO**

FULLY HYDRAULIC EXCAVATOR

**SUPER EXCEED**

**HD513MR**

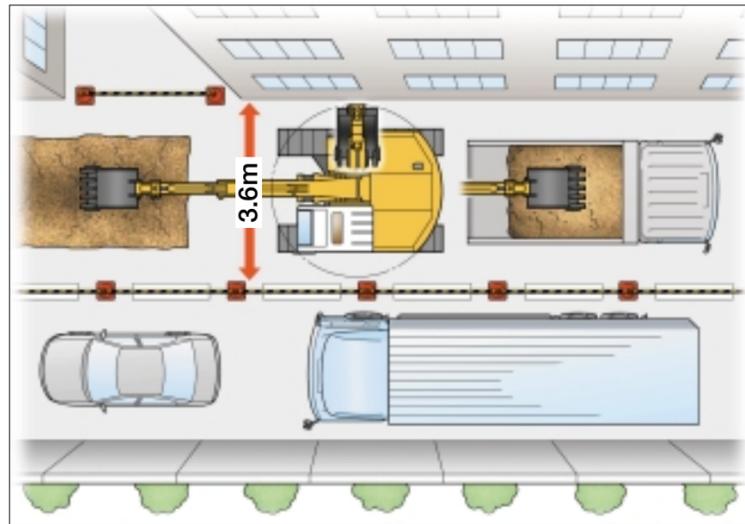
Compact tail swing model

**CITYRANGE**



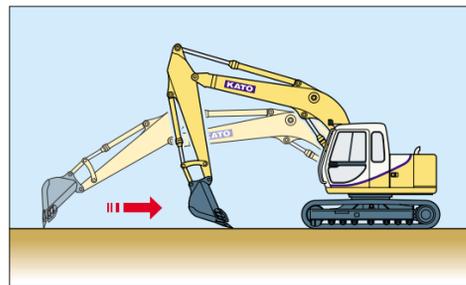
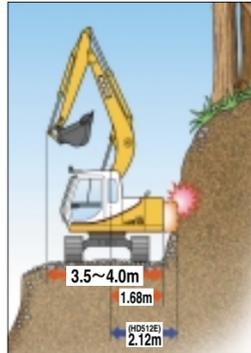
**Bucket capacity : 0.25m<sup>3</sup> - 0.60m<sup>3</sup> (ISO)**  
**Engine output : 68kW/2,050min<sup>-1</sup> (92PS/2,050rpm) (ISO Net)**  
**Operating weight : 13,200kg**

# A Big Performance in Small Space



## 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.

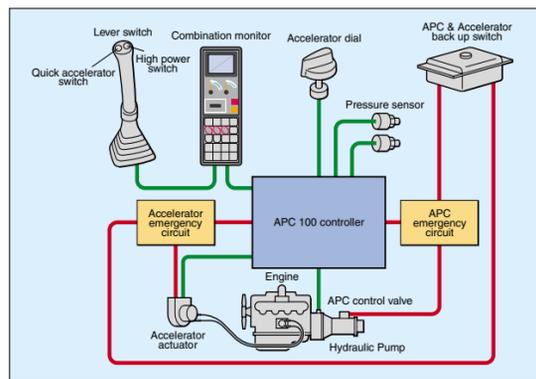


## Precision Work

- 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

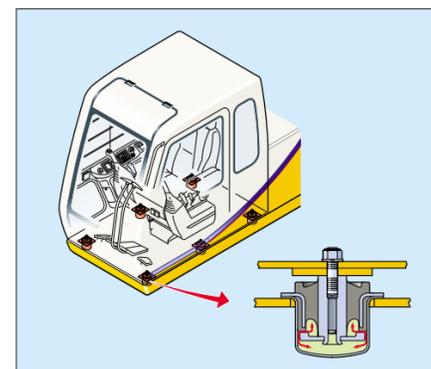
- Low mechanical & Hydraulic noise and also low vibration dumped by 6 points viscous mounting cab reduce fatigue of operator even in heavy work.
- Wide visibility from the eye point of the operator sit in the comfortable operator's seat guarantees the safe and fine works at the tight corner of the narrow 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".



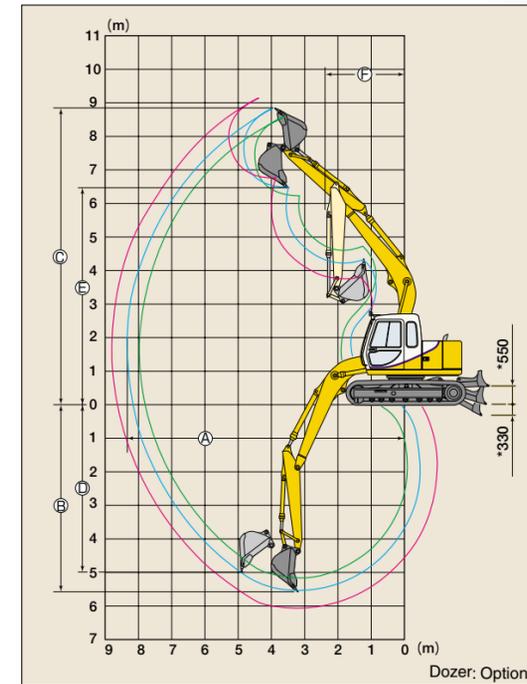
●APC(Automatic Power Control) system



●Combination monitor



# Working Ranges



(Unit : mm)

Range (mm)	Arm	Short Arm (2.1m)	STD Arm (2.5m)	Long Arm (3.0m)
Ⓐ-Max. digging radius		8,010 (8,010)	8,380 (8,380)	8,840 (8,840)
*Ⓑ-Max. digging depth		5,180 (4,250)	5,580 (4,650)	6,090 (5,160)
*Ⓒ-Max. digging height		8,610 (9,290)	8,850 (9,610)	9,130 (10,010)
*Ⓓ-Max. vertical wall		4,570 (3,710)	4,960 (4,090)	5,340 (4,580)
*Ⓔ-Max. dumping height		6,240 (6,910)	6,480 (7,230)	6,770 (7,620)
Ⓕ-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							Dredging bucket	Slope forming bucket	Grab bucket	Rock bucket	Ripper	
Bucket capacity m <sup>3</sup> , ISO	0.25	0.35	0.40	0.45	0.50	0.55	0.60	0.40	—	0.30 (struck)	0.25	—	
Bucket width	w/o side cutters, mm	540	695	785	875	910	1,000	1,090	2,000	1,800	750	680	—
	with side cutters, mm	630	785	875	965	1,000	1,090	1,180	457/300	1,000	—	790	—
Bucket weight kg	290	340	370	390	420	440	460	420	620	550	615	230	
Number of bucket teeth	3	4	4	4	5	5	5	2	—	4 + 4	5	1	
Shape of bucket													
Standard boom +	Short arm	●	●	●	●	●	□	●	○	●	○	○	
	Standard arm	●	●	●	●	●	▲	●	○	●	○	○	
	Long arm	●	●	●	▲	*▲	×	×	▲	○	×	×	
	Extension arm (1,000mm)	●	▲	×	×	×	×	×	×	×	×	×	

- General purpose ▲ Light work ○ Rock digging □ Loading ○ Usable × 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 (kgf/cm <sup>2</sup> )	41.2 (0.42)	35.3 (0.36)	30.4 (0.31)	43.1 (0.44)	31.4 (0.32)
Net weight change kg	S.T.D	+170	+480	+420	+460

- Yellow colored area means standard.