

Amphibious Excavator

An Amphibious Excavator is specially designed to work in swampy, wet land and shallow water. Our well designed Amphibious Undercarriages provides great mobility to work on soft terrains and swampy area.

Standard package of Ultratrex's Amphibious Excavator is attached with long reach arm c/w conventional excavator bucket.

Amphibious Undercarriage has proven to work effectively on the following areas:

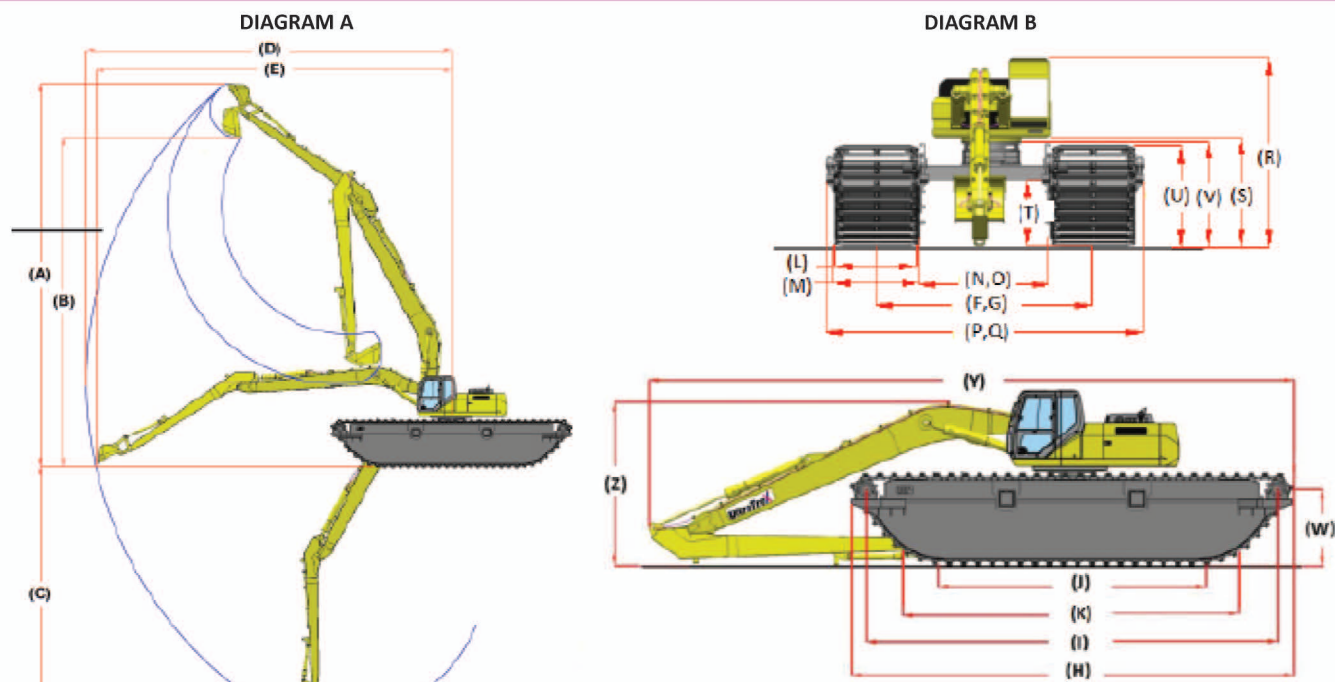
- 1) Swamp land clearing at mining, plantation and construction area.
- 2) Deepening of canal, river channel and river mouth.
- 3) Building bund for flood prevention and land reclamation.
- 4) Building bund wall for fish, shrimp ponds and salt making industry.
- 5) Clearing of lakes, ponds and water reservoir.
- 6) Digging trenches for oil & gas piping installation.
- 7) Clearing obstacles at landslide and flood hit area.
- 8) Water irrigation at paddy field and plantation.

Optional items:

- 1) Additional side pontoons c/w 6 meter of hydraulic spuds. These optional items are required if the water draft of the site working condition is between 2 to 3.5 meters.



Model



TECHNICAL SPECIFICATIONS & DIMENSION

Item	Description	Unit	Amphibious Undercarriage Models					
			AT50	AT80	AT120	AT200	AT300	AT400
			Class 5-6 ton excavator	Class 7-8 ton excavator	Class 10-14 ton excavator	Class 20-24 ton excavator	Class 28-33 ton excavator	Class 40-45 ton excavator
1)	Total Weight	KG	12500	14500	22000	32000	45000	58000
2)	Float Capacity	m3	14	17	26	40	60	72
3)	Float Capacity/Total Weight	m3/ton	1.12	1.17	1.18	1.25	1.33	1.24
4)	Maximum Torque Motor	Kgf-m	1250	1250	1850	2616	3480	3480
5)	Ground Pressure	KG/cm2	0.178	0.102	0.16	0.17	0.15	0.15
6)	Travel Speed (HI)	KM/h	4.2	4.2	4.2	3.6	3.2	3.2
	Travel Speed (LO)	KM/h	2.2	2.2	2.3	2.3	1.8	1.8
7)	Maximum Gradient	Deg	30	30	30	30	30	30
Work Equipment								
8)	Boom Length	mm	3850	3700	7250	7900	9148	9727
9)	Arm Length	mm	2000	2180	5125	5450	6476	6650
10)	Bucket Capacity	m3	0.16	0.3	0.35	0.5	0.9	1.1
Working Range								
A)	A. Max Digging Height	mm	8130	8505	13850	15120	16355	16900
	B. Max Dumping Height	mm	6430	6455	12450	13260	13720	14260
	C. Max Digging Depth	mm	3895	3685	7800	7630	10755	11335
	D. Max Digging Reach	mm	7450	6810	12500	13760	16155	17140
	E. Max Digging Reach on Ground	mm	7085	6438	12280	13450	15850	16815
Dimensions								
B)	F. Track Gauge (F.R)	mm	1970	1970	2760	2760	4807	5100
	G. Track Gauge (F.E)	mm	2790	2790	4020	4020	4807	5100
	H. Track Length	mm	6583	7708	9210	9520	10670	10670
	I. Distance Between Idler	mm	5791	6911	8433	8788	9802	9802
	J. Track Length On Hard Ground	mm	3367	4275	5709	5700	6650	6650
	K. Track Length On Soft Ground	mm	5810	6825	8000	7735	8310	8310
	L. Width Track Shoe	mm	1040	1140	1590	1590	1790	2040
	M. Width Float	mm	1070	1170	1620	1620	1807	2100
	N. Distance Between Pontoon (F.R)	mm	900	900	1170	1170	3000	3000
	O. Distance Between Pontoon (F.E)	mm	1720	1720	2440	2440	3000	3000
	P. Overall Machine Width (F.R)	mm	3040	3500	4660	4660	6914	7200
	Q. Overall Machine Width (F.E)	mm	4080	4320	5930	5930	6914	7200
	R. Overall Machine Height	mm	3520	3480	3685	4140	4756	4485
	S. Ground Clearance (Co. Weight)	mm	1598	1645	1755	2120	2520	2520
	T. Min. Ground Clearance	mm	990	990	910	1250	1610	1610
	U. Shoe Setting Height	mm	1548	1550	1610	1920	2295	2295
	V. Crawler Height	mm	1580	1580	1700	2036	2370	2370
	W. Water Line Height	mm	1130	1150	1060	1395	1880	1880
	X. Min Swing Radius	mm	1430	1576	2330	2750	3080	3645
	Y. Overall Length	mm	7010	7100	11000	13400	14890	15290
	Z. Height of Boom	mm	1800	2700	3800	4130	4150	4260

*Dimension are for references only, it might be differ and depend on the brands or model of the excavator.

**Specification are subject to change without prior noticed