

AMPHIBIOUS EXCAVATOR LONG REACH BOOM&ARM

OPERATING WEIGHT
7,000~65,000kg

BOOM LENGTH
4.88~12.94m

ARM LENGTH(PIN TO PIN)
2.83~9.98m

BUCKET CAPACITY
0.3~1.2m³



OFFICE

Office. 298 5th floor 511, Beotkkot-ro, Geumcheon-gu, Seoul, Republic of Korea
Factory. 47-3, Geomdan-ro 326beon-gil, Seo-gu, Incheon, Republic of Korea
Tel. (+82)2038-0008
Email. sales@kscparts.com

KDATT HIGH EFFICIENCY AMPHIBIOUS EXCAVATOR

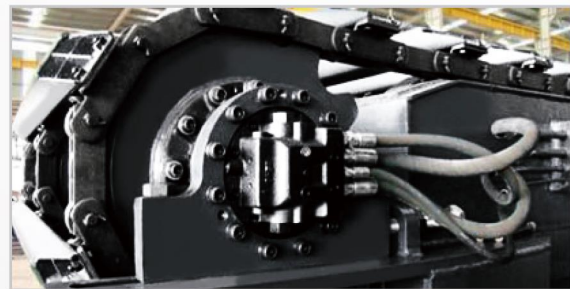
POWERFUL & CONVENIENT

The transportation and dispatching of the amphibious excavator are simple and convenient because the reality is achievable using a sound trailer to convey our products undamaged.



Custom Bucket Creation

The cutting edge keeps the bucket lip straight and protects against excessive wear.



Undercarriage Pontoon Construction

Atmospheric Corrosion Resistance Alloy Steel Plate. Each Undercarriage Pontoon is equipped with Independent Water Tight Compartments.



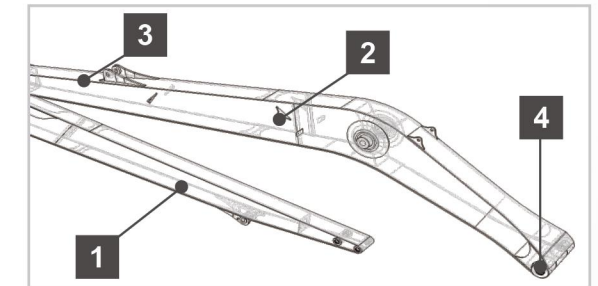
The part of Pontoon

Good anti-rust ability, excellent value preservation ability, two-layer primer and two-layer paint.



Long reach Boom & Arm

Long Reach System extends the working reach of your excavator to increase efficiency and enable greater productivity.



Excavator components

- 1 Long Arm
- 2 Hydraulic cylinder
- 3 Long Boom
- 4 Connection pin hole



Centre Frame

The height of the center frame can be adjusted to fit different construction project specifications and can be changed in accordance with the original excavator foundation.



Track Shoe

Chromium and titanium alloy are optional, lighter materials with longer lives. The chain does not require high tension, the load on the shaft and bearing is low, it will not slip.

CORE COMPONENTS

All the KDATT Amphibious Excavator is features have been designed to work in harmony to deliver every function with superior efficiency.



FINAL DRIVE SYSTEM

Multiple active motors propelling each pontoon provide superior.



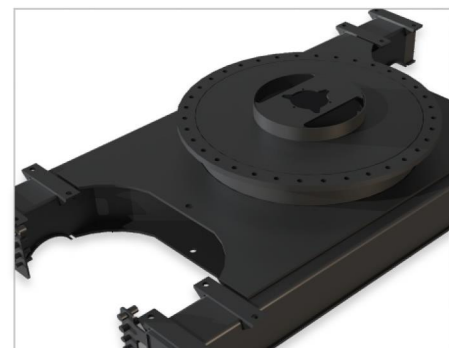
PONTOON

The knock-down construction made loading and transportation simple.



TRACK PLATE

Enlarged chain plate that is anti-slipped and difficult to bend.



CENTER FRAME

12mm thickness seamless round tubes, durable and easy to assemble. The center frame is fixed on the cross beam by 8 U-shape clips.



CROSS-BEAM



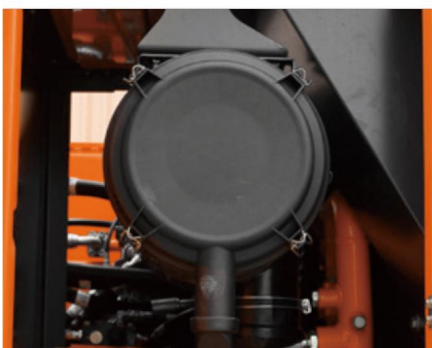
U-SHAPE CLIP

MAINTENANCE



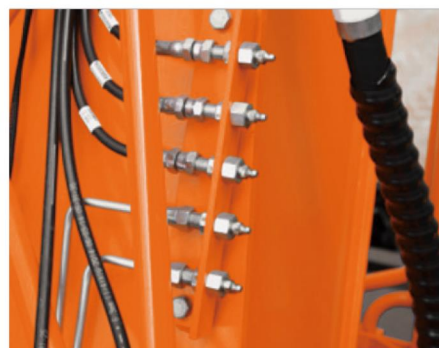
FINAL DRIVE SYSTEM

High-efficiency fuel filtration is achieved with a fuel filter equipped with a water separator that removes moisture from the fuel.



AIR CLEANER

Large-capacity forced airpurifiers reduce the risk of engine contamination by removing articles from the air.



REMOTE GREASING POINTS

For comfortable maintenance, the arm and boom greasing points have been centralized.

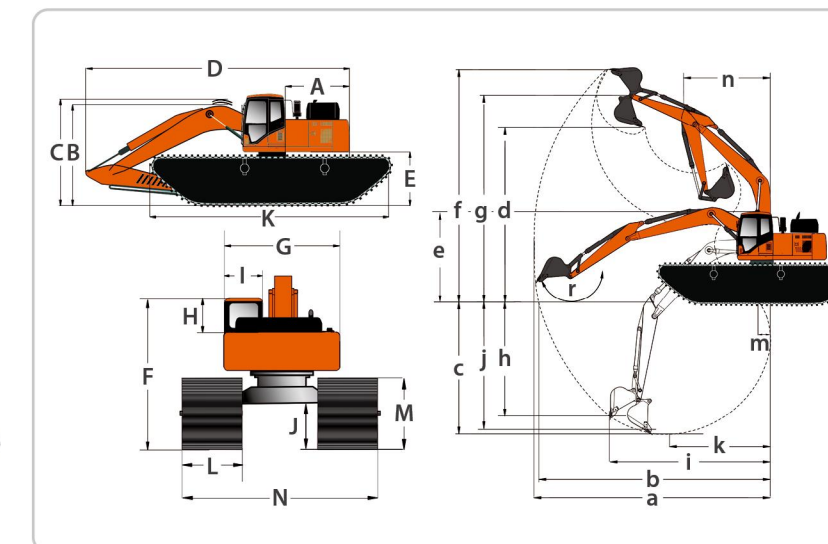
AMPHIBIOUS EXCAVATOR

All the KDATT equipment is features have been designed to work in harmony to deliver every function with superior efficiency.

PRODUCT



EXTERIOR DRAWING



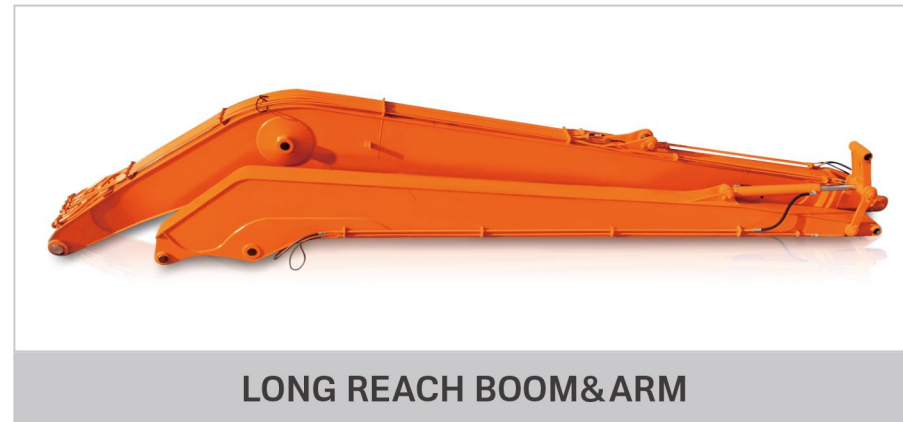
SPECIFICATION

KAM SERIES

Model	Unit	KAM-80	KAM-150	KAM-215
Operating weight	ton	8	15	20
Tail turning radius	A mm	1,650	2,200	2,840
Transport height (to boom top)	B mm	2,660	3,300	3,350
Transport height (to the top of the hose)	C mm	2,800	3,500	3,600
Transportation length	D mm	7,000	9,000	10,600
Ground clearance of counter weight	E mm	1,400	1,800	2,000
Total height (to top of cab)	F mm	3,150	3,650	3,880
Turntable width	G mm	2,100	2,450	2,800
Cab height (adove turntable)	H mm	1,870	1,910	1,950
Full width of the cab	I mm	1,100	1,100	1,100
Minimum ground clearance	J mm	875	1,060	1,210
Single pontoon length	K mm	5,700	7,000	8,000
Single pontoon width	L mm	1,000	1,250	1,500
Single pontoon height	M mm	1,300	1,600	1,800
Overall weight	N mm	3,000	3,650	4,500
Max. digging distance	a mm	6,200	8,120	10,000
Max. excavation distance on the ground	b mm	5,900	7,900	9,600
Max. excavation depth	c mm	3,535	4,706	5,310
Max. unloading height	d mm	5,645	7,878	10,400
Min. unloafing height	e mm	5,045	5,378	6,400
Max. excavation height	f mm	7,570	9,478	11,600
Max. height of bucket pin	g mm	6,970	8,678	10,100
Max. vertical digging depth	h mm	2,435	3,300	4,700
Max. vertical radius	i mm	2,435	3,300	4,670
Max. horizontal excavator depth	j mm	3,460	4,500	5,110
Max. horizontal radius	k mm	810	1,200	2,200
Min. digging distance	m mm	320	530	670
Min. gyration radius	n mm	1,620	2,200	3,050
Bucket extension angle	r mm	175	175	175

CORE COMPONENTS

Ideal for river and sea dredging either on land or barge, basement and deep foundation excavation, construction of ditches, levees and pond maintenance, construction of sea wall.



LONG REACH BOOM&ARM

Long Reach System extends the working reach of your excavator to increase efficiency and enable greater productivity, while at the same time providing greater stability and smooth operation of your excavator.



PREMIUM STEEL PLATES

The welding process ensures durability, quality and robustness through robot welding and partial manual welding.



MUD BUCKET&DIGGING BUCKET OPTIONAL

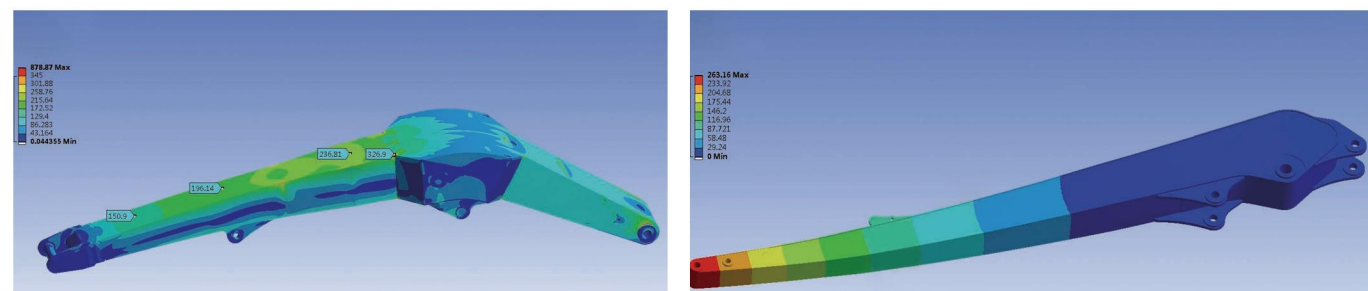
Provide customers with many attachments to complete work like excavation, breaking, screening, filling, grabbing etc.



PIN&SHIM

Steel shim with hard metal disk and Chrome coated solid pin.

ANALYSIS AND SIMULATION



ADVANCED COMPUTER-AIDED DESIGN

Simulation Stress and Strength Analysis is conducted on every long reach arm produced to ensure quality and durability required. Our analysis is performed by trained engineers with the newest application CAD software. Advanced design enables reliable data analysis of development and customized products, greatly accelerating the building process.

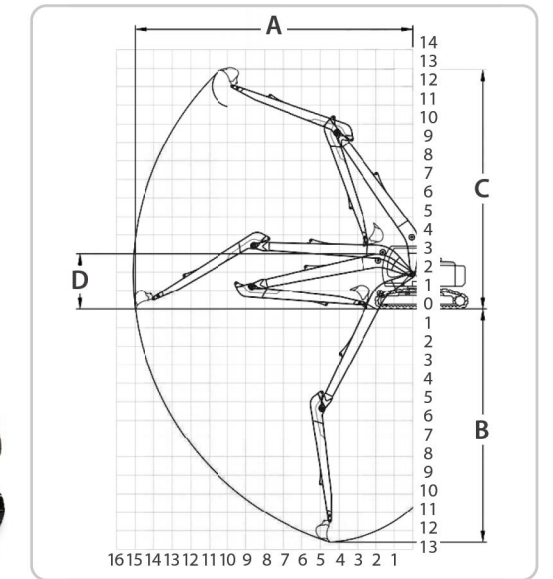
LONG REACH BOOM&ARM

All the KDATT equipment features have been designed to work in harmony to deliver every function with superior efficiency.

PRODUCT



EXTERIOR DRAWING



SPECIFICATION

KRA SERIES

Model	Unit	KRA07	KRA10	KRA14	KRA18	KRA23	KRA27	KRA33	KRA38	KRA46	KRA60	
Operating weight	ton	7~8	10~13	14~16	18~22	23~26	27~32	33~36	38~45	46~50	60~65	
Length	m	8	11	13.5	16.5	17.5	19	20	21	22	23	
Boom Length	m	4.88	6.49	7.15	9.3	9.3	10.35	11.34	11.85	12.3	12.94	
Arm Length(pin to pin)	m	2.83	4.37	5.02	6.9	6.9	7.65	8.45	8.8	9.27	9.98	
Max. Reach	A	m	8.19	11.27	12.55	17.1	16.59	18.2	20.36	21.2	22.03	23.06
Max. Depth	B	m	6.05	7.84	8.76	12.07	11.61	12.39	14.27	14.66	16.08	17.72
Max. Height	C	m	7.01	10.7	12.07	15.69	15.6	16.86	19.41	19.75	20.36	20.86
Boom Height	D	m	3.39	2.21	2.41	2.8	2.87	3.15	3.21	3.62	3.55	3.94
Bucket Capacity	m ³	0.3	0.5	0.4	0.4	0.6	0.6	0.8	1	0.9	1.2	

STANDARD PACKAGE

Items	Quantity
Boom with piping	1 unit
Stick/Dipper arm with piping	1 unit
Bucket	1 pcs
Bucket cylinder with NOK seal kit	1 set
Boom yoke pin	1 pcs
Linkage	1 set
Bucket pin	2 pcs
Bucket link pin	2 pcs
Bucket cylinder end pin	1 pcs
Hydraulic pressure hoses	4 pcs