



Amphibious Excavator

HAWK-AT-300 / HAWK-AT-



CERT NO: TUV100 01 2043
ISO 9001: 2015



Amphibious Excavators are designed to traverse and dredge on soft terrain such as swamp, wet-land and shallow water. This system features an ultra-low ground pressure while operating. Our amphibious hydraulic undercarriages are compatible with excavators ranging from 5 to 50-ton models. HAWK Excavators are the optimal dredging system for:



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- Vegetation control
- Dredging canals, river channels & harbors
- Environmental remediation
- Flood protection & maintenance
- Creating marshes & animal habitats
- Constructing pipelines & underwater cables
- Swamps & wetlands construction
- Ice breaking & management
- Remote worksites requiring navigation through water and soft terrain

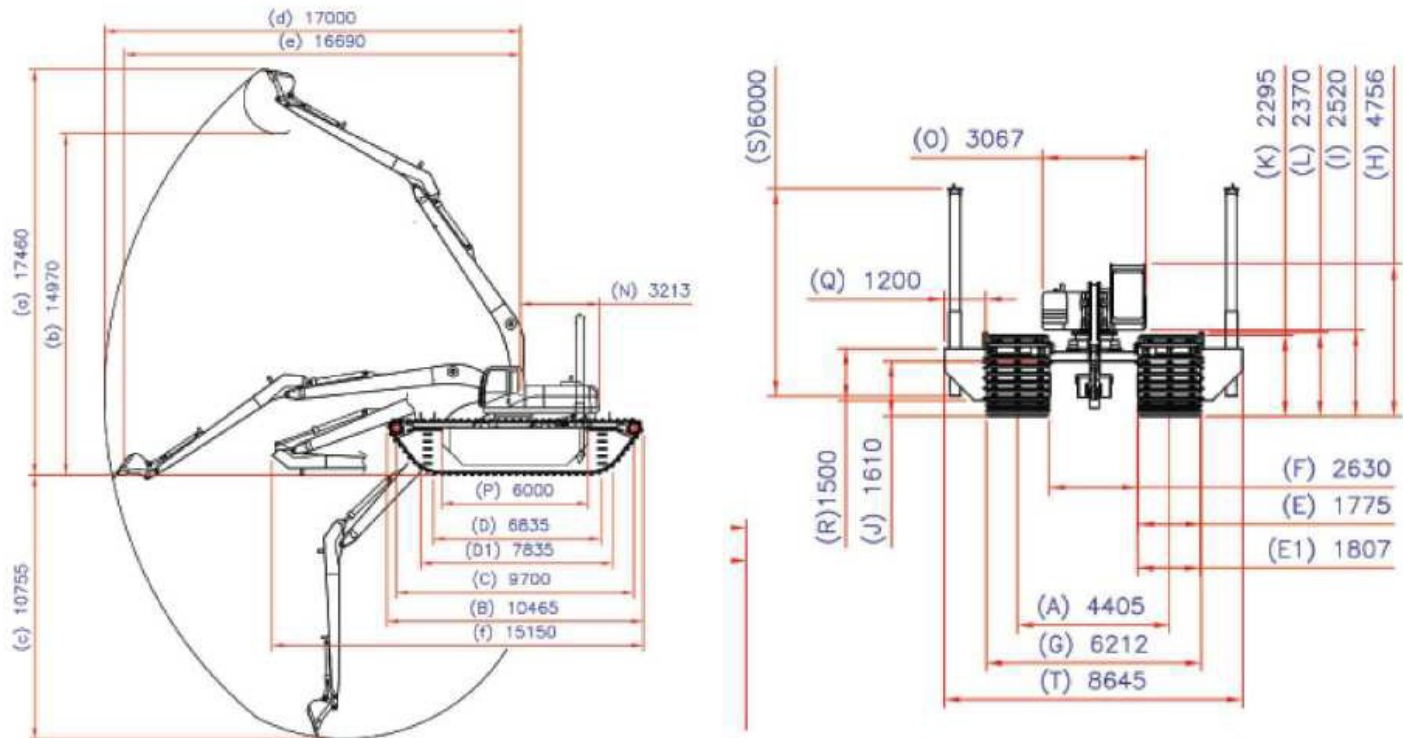
HAWK EXCAVATOR AT-300 / AT-300PS AMPHIBIOUS HYDRAULIC UNDERCARRIAGE TECHNICAL SPECIFICATION:

1. Amphibious undercarriage hydrostatic drive.
 - Brand: DOOSAN
 - Type: Hydrostatic drive with integrated hydraulic 2 speed motors.
 - Working pressure: 350kgf/cm².
 - Output torque: 3488kgfm.
2. **AMPHIBIOUS UNDERCARRIAGE CONSTRUCTION:** Anti corrosion steel plate, Material code: SMA 490.
Each amphibious undercarriage is equipped with 3 independent watertight compartments. The bottom of amphibious undercarriage is reinforced.
3. **TRACK CHAINS:**
Double strands track chain per amphibious undercarriage. Pitch: 152.4mm. The track chain rollers are running on Hardox 400, 10mm thickness wear plates.
4. **GRADEABILITY:** 30 degree.
5. **OPERATING WEIGHT :** 45 tons. (Including hydraulic excavator upper body and 9 meter Long Reach Arm).
6. **WARRANTY:** 2,000 hours warranty on the UHMWPE (Ultra-High-Molecular-Weight Polyethylene) track plates against cracks. Warranty on the long reach and amphibious undercarriage will be covered up to 2,000 hours or up to 1 year of usage, whichever comes first. Coverage will be determined if an operating defect appears within the warranty period as measured from the date of delivery to the time of claim. Warranty covers against manufacturer defects excluding wear & tear and operator negligence. All Hawk Excavator-warranted parts and components that are defective in materials and/or workmanship will be repaired or replaced without charge for parts or labor. Warranty claim and service location: Hawk Excavation Headquarters 15405 Olde Hwy 80, El Cajon, CA 92021.



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**Excavator dimensions shown as mm*

TECHNICAL DIMENSIONS

- Dimensions Are Based On 17m Long Reach Arm & 0.9m³ GP Bucket.
- Specifications Are Subject To Change Without Prior Notice.
- Retracted position - Transportation purpose.
- Extended position - Operating purpose



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ITEM		METRIC	IMPERIAL
BASE MACHINE		30 TON EXCAVATOR	
TOTAL WEIGHT	WITHOUT SIDE PONTOON	45000 Kg	99208 lb
FLOAT CAPACITY		60 m3	2118.88 ft3
FLOAT CAPACITY/TOTAL WEIGHT		.75 M3/ton	26.49 ft3
MAXIMUM TORQUE MOTOR		3480 kgf-m	7672.09 lbf
GROUND PRESSURE		0.15 KG/cm2	2.13 psi
TRAVEL SPEED	HI	3.2 kM/H	1.99 mph
	LO		1.12 mph
		1.8 kM /H	
MAXIMUM GRADIENT			30
WORK EQUIPMENT	BOOM LENGTH	9520 mm	374.80 in
	ARM LENGTH	6650 mm	261.81 in
	BUCKET CAPACITY	0.9 m3	31.78 ft3
WORKING RANGE	a. MAX. DIGGING HEIGHT	17460 mm	687.40 in
	b. MAX. DUMPING HEIGHT	14790 mm	582.28 in
	c. MAX. DIGGING DEPTH	10755 mm	423.43 in
	d. MAX. DIGGING REACH	17000 mm	669.29 in
	e. MAX DIGGING REACH ON GROUND	16690 mm	657.09 in
	f. TOTAL LENGHT DURING PARKING	15150 mm	596.46 in
DIMENSIONS	A. TRACK GAUGE (FULLY RETRACTED)	4405 mm	173.43 in
	B. TRACK LENGTH	10465 mm	412.01 in
	C. DISTANCE BETWEEN IDLER & SPROCKET	9700 mm	381.89 in
	D. TRACK LENGTH ON HARD GROUND	6835 mm	289.09 in
	D1. TRACK LENGTH ON SOFT GROUND	7835 mm	308.46 in
	E. WIDTH TRACK SHOE	1775 mm	46.26 in
	E1. WIDTH FLOAT	1807 mm	71.14 in
	F. DISTANCE BETWEEN SHOE INSIDE	2630 mm	103.54 in
	G. OVERALL MACHINE WIDTH	6212 mm	244.57 in
	H. OVERALL MACHINE HEIGHT	4756 mm	187.24 in
	I. GROUND CLEARANCE (COUNTERWEIGHT)	2520 mm	99.21 in
	J. MIN. GROUND CLEARANCE	1610 mm	63.39 in
	K. SHOE SETTING HEIGHT	2295 mm	90.35 in
	L. CRAWLER HEIGHT	2370 mm	93.31 in
	M. WATER LINE HEIGHT	1880 mm	74.02 in
N. MIN SWING RADIUS	3213 mm	126.50 in	
O. CABIN WIDTH	3067 mm	120.75 in	
ADDITIONAL DIMENSIONS (SIDE)	P. SIDE PONTOON LENGTH	6000 mm	236.22 in
	Q. SIDE PONTOON WIDTH	1200 mm	47.24 in
	R. SIDE PONTOON HEIGHT	1500 mm	59.06 in
	S. SPUD LENGTH	6000 mm	236.33 in
	T. OVERALL MACHINE WIDTH	8645 mm	340.35 in