



# Amphibious Excavator

## HAWK-AT-200ER / HAWK-AT-200ERPS



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:



# Amphibious Excavator

## HAWK-AT-200ER / HAWK-AT-200ERPS

- 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

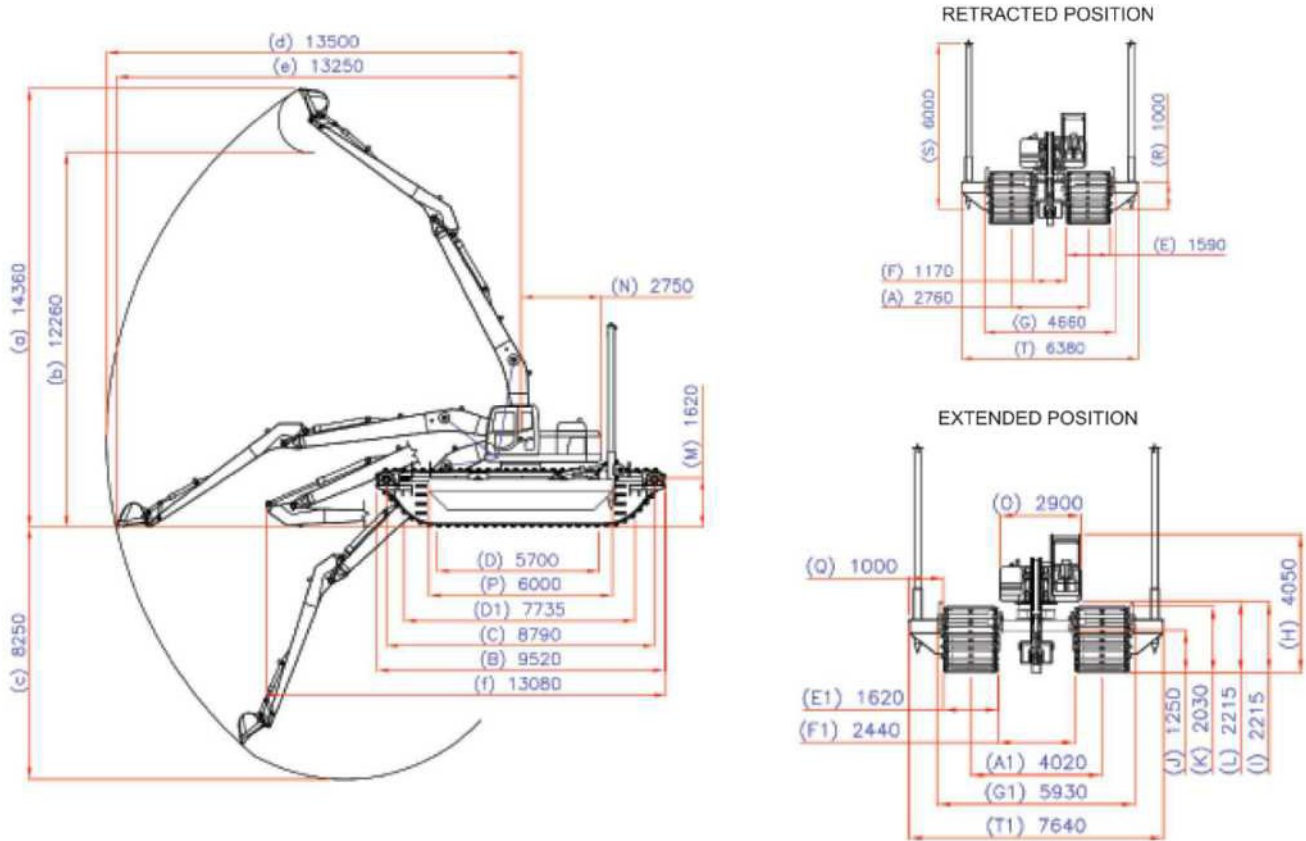
### **HAWK EXCAVATOR AT-200ER / AT-200ERPS AMPHIBIOUS HYDRAULIC UNDERCARRIAGE TECHNICAL SPECIFICATION:**

1. Amphibious undercarriage hydrostatic drive.
  - Brand: BONFIGLIOLI
  - Type: Hydrostatic drive with integrated hydraulic 2 speed motors.
  - Working pressure: 305kgf/cm<sup>2</sup>.
  - Output torque: 3059kgfm.
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 :** 32 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.



# Amphibious Excavator

## HAWK-AT-200ER / HAWK-AT-200ERPS



### TECHNICAL DIMENSION

- Dimension Are Based On 13.5m Long Reach Arm & 0.5m<sup>3</sup> GP Bucket.
- Specifications Are Subject To Change Without Prior Notice.
- Retracted position - Transportation purpose.
- Extended position - Operating purpose



# Amphibious Excavator

## HAWK-AT-200ER / HAWK-AT-200ERPS

ITEM		METRIC	IMPERIAL
BASE MACHINE		20 TON EXCAVATOR	
TOTAL WEIGHT	WITHOUT SIDE PONTON	32000 Kg	70548 lbs
FLOAT CAPACITY		40 m <sup>3</sup>	1412.59 ft <sup>3</sup>
FLOAT CAPACITY/TOTAL WEIGHT		1.25 M3/ton	1.25 M3/ton
MAXIMUM TORQUE MOTOR		2616 kgf-m	5767.30 lbf
GROUND PRESSURE		0.18 KG/cm <sup>2</sup>	2.56 psi
TRAVEL SPEED	HI	3.6 km/H	2.24 mph
	LO		1.43 mph
		2.3 km /H	
MAXIMUM GRADIENT			30
WORK EQUIPMENT	BOOM LENGTH	7750 mm	305.12 in
	ARM LENGTH	5150 mm	202.76 in
	BUCKET CAPACITY	.5 m <sup>3</sup>	17.66 ft <sup>3</sup>
WORKING RANGE	a. MAX. DIGGING HEIGHT	14360 mm	565.35 in
	b. MAX. DUMPING HEIGHT	12260 mm	482.68 in
	c. MAX. DIGGING DEPTH	8250 mm	324.80 in
	d. MAX. DIGGING REACH	13500 mm	531.50 in
	e. MAX DIGGING REACH ON GROUND	13250 mm	521.65 in
	f. TOTAL LENGTH DURING PARKING	13080 mm	514.96 in
DIMENSIONS	A. TRACK GAUGE (FULLY RETRACTED)	2760 mm	108.67 in
	A1. TRACK GAUGE (FULLY EXTENDED)	4020 mm	158.27 in
	B. TRACK LENGTH	9520 mm	374.80 in
	C. DISTANCE BETWEEN IDLER & SPROCKET	8790 mm	346.06 in
	D. TRACK LENGTH ON HARD GROUND	5700 mm	224.41 in
	D1. TRACK LENGTH ON SOFT GROUND	7735 mm	304.53 in
	E. WIDTH TRACK SHOE	1590 mm	62.60 in
	E1. WIDTH FLOAT	1620 mm	63.78 in
	F. DISTANCE BETWEEN SHOE INSIDE (FULLY RETRACTED)	1170 mm	46.06 in
	FI. DISTANCE BETWEEN SHOE INSIDE (FULLY EXTENDED)	2440 mm	96.06 in
	G. OVERALL MACHINE WIDTH (FULLY RETRACTED)	4660 mm	183.46 in
	G1. OVERALL MACHINE WIDTH (FULLY EXTENDED)	5930 mm	233.46 in
	H. OVERALL MACHINE HEIGHT	4050 mm	159.45 in
	I. GROUND CLEARANCE (COUNTERWEIGHT)	2215 mm	87.20 in
	J. MIN. GROUND CLEARANCE	1250 mm	49.21 in
	K. SHOE SETTING HEIGHT	2030 mm	79.92 in
	L. CRAWLER HEIGHT	2215 mm	87.20 in
	M. WATER LINE HEIGHT	1620 mm	63.78 in
	N. MIN SWING RADIUS	2750 mm	108.27 in
	O. CABIN WIDTH	2900 mm	114.17 in
ADDITIONAL DIMENSIONS (SIDE PONTON)	P. SIDE PONTON LENGTH	6000 mm	236.22 in
	Q. SIDE PONTON WIDTH	1000 mm	39.37 in
	R. SIDE PONTON HEIGHT	1000 mm	39.37 in
	S. SPUD LENGTH	6000 mm	236.22
	T. OVERALL MACHINE WIDTH (FULLY RETRACTED)	6380 mm	251.18
	TI. OVERALL MACHINE WIDTH (FULLY EXTENDED)	7640 mm	300.79 in