



ULTRATREX AT250ER

*UTX, YOUR TRUSTED PARTNER IN
SHALLOW DREDGING EQUIPMENT*



CERT NO. : TUV 100-01-2043
ISO 9001 :2015



INTRODUCTION

Ultratrex amphibious excavator is an excavator that can travel and work safely and effectively on soft terrain such as swamp, wet land and shallow water. The well designed Ultratrex amphibious hydraulic undercarriage have ultra-low ground pressure and unparalleled mobility to work on soft terrains and swamp areas.

**FEATURES****Hydraulic Extendable and Retractable System**

- 4 pcs heavy duty cylinders
- Extend : For operation purposes
- Retract : For transportation purposes

Track Chains

- Triple strands track chain
- Running on hardox AR400 wear plate

Amphibious Undercarriage Hydrostatic Drive

- Model: Bonfiglioli
- Origin: Italy
- Working pressure: 306 kgf/cm²
- Integrated hydraulic 2 speed motors
- Output torque: 3059 kgf.m
- Each of the undercarriage pontoons are equipped with 2 hydrostatic drives

Side Pontoon and Spud

- Ensure safe operation while excavating in deeper water
- Spud type: Rack gear

Amphibious Undercarriage Construction

- Anti corrosion plate SMA 490
- 3 independent water tight compartments for each of the undercarriage pontoons
- Reinforce bottom area



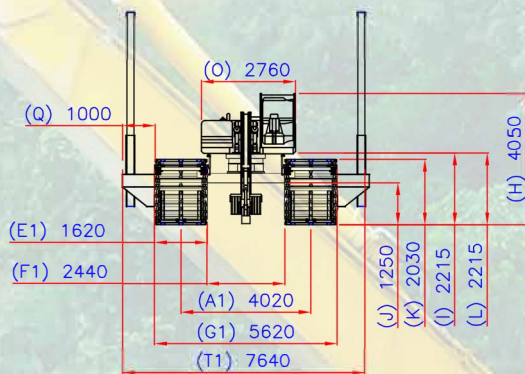
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**APPLICATIONS**

- Swamp land clearing at mining, plantation and forest area
- Deepening of canal, river channel and river mouth
- Building bund for flood prevention and reclamation
- Sludge clearing of lakes, ponds and water reservoir
- Digging trenches for oil and gas piping installation
- Transporting and clearing land slide and flood hit area
- Swamps and wetlands construction
- Road construction through wetland

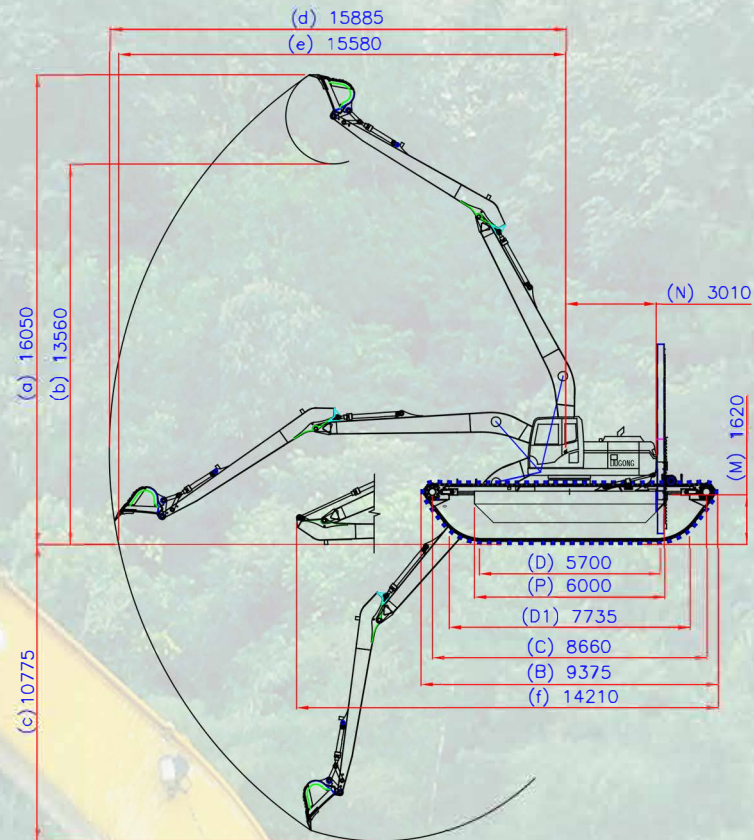
TECHNICAL SPECIFICATION

EXTEND POSITION:



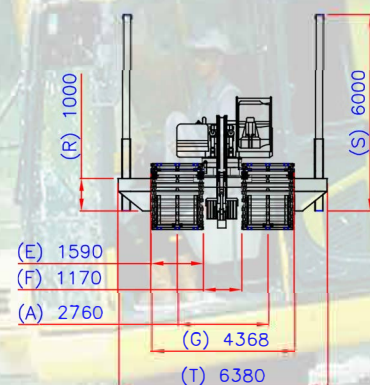
BASE MACHINE	25 TON CLASS
TOTAL WEIGHT	43,032Kg
FLOAT CAPACITY	51.62 m3

ITEMS		UNIT	VALUE
TRAVEL SPEED	HI	km/h	3.6
	LO	km/h	2.3
MAXIMUM GRADIENT		°	30
WORK EQUIPMENT	BUCKET CAPACITY	m ³	0.95
	BOOM LENGTH	mm	8800
	ARM LENGTH	mm	6400
WORKING RANGE	a. MAX. DIGGING HEIGHT	mm	16050
	b. MAX. DUMPING HEIGHT	mm	13560
	c. MAX. DIGGING DEPTH	mm	10775
	d. MAX. DIGGING REACH	mm	15885
	e. MAX DIGGING REACH ON GROUND	mm	15580
	f. TOTAL LENGTH DURING PARKING	mm	14210
DIMENSIONS	A. TRACK GAUGE (FULLY RETRACTED)	mm	2760
	A1. TRACK GAUGE (FULLY EXTENDED)	mm	4020
	B. TRACK LENGTH	mm	9375
	C. DISTANCE BETWEEN IDLER & SPROCKET	mm	8660
	D. TRACK LENGTH ON HARD GROUND	mm	5700
	D1. TRACK LENGTH ON SOFT GROUND	mm	7735
	E. WIDTH TRACK SHOE	mm	1590
	E1. WIDTH FLOAT	mm	1620
	F. DISTANCE BETWEEN SHOE INSIDE (FULLY RETRACTED)	mm	1170
	F1. DISTANCE BETWEEN SHOE INSIDE (FULLY EXTENDED)	mm	2440
	G. OVERALL MACHINE WIDTH (FULLY RETRACTED)	mm	4368
	G1. OVERALL MACHINE WIDTH (FULLY EXTENDED)	mm	5620
	H. OVERALL MACHINE HEIGHT	mm	4050
	I. GROUND CLEARANCE (COUNTERWEIGHT)	mm	2215
	J. MIN. GROUND CLEARANCE	mm	1250
	K. SHOE SETTING HEIGHT	mm	2030
	L. CRAWLER HEIGHT	mm	2215
	M. WATER LINE LEVEL	mm	1620
	N. MIN SWING RADIUS	mm	30 10
	O. CABIN WIDTH	mm	2760
ADDITIONAL DIMENSIONS (SIDE PONTON)	P. SIDE PONTON LENGTH	mm	6000
	Q. SIDE PONTON WIDTH	mm	1000
	R. SIDE PONTON HEIGHT	mm	1000
	S. SPUD LENGTH	mm	6000
	T. OVERALL MACHINE WIDTH (FULLY RETRACTED)	mm	6380
	T1. OVERALL MACHINE WIDTH (FULLY EXTENDED)	mm	7640



GROUND PRESSURE	0.24 Kg/cm²
MAXIMUM TORQUE	3059 Kgf. m
FLOAT CAPACITY/ TOTAL WEIGHT	1.20 m3/ton

RETRACT POSITION:



* Dimensions are based on AT250ER amphibious excavator equipped with 15 meter long reach arm and 0.95 m³ skeleton bucket
* Specifications are subject to change without prior notice



ULTRATREX MACHINERY SDN. BHD.

TEL : +607 355 7777

FAX : +607 351 0229

HP : +6016 772 0584

E-MAIL : marketing@ultratrex.com.my

PLO 229, JALAN KENCANA MAS 2,
KAWASAN PERINDUSTRIAN TEBRAU 3,
81100 JOHOR BAHRU, JOHOR, MALAYSIA.