

UNI ASIA HEAVY EQUIPMENT

Amphibious Excavator & Heavy Attachments Specialist



Model: UA200ERN

We Are Expert In Amphibious Excavator &
Amphibious Dredger Products!

www.uniasigroup.com / www.uniasia.co

INTRODUCTION

Uni Asia 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 Uni Asia amphibious hydraulic undercarriage have ultra-low ground pressure and unparalleled mobility to work on soft terrains and swamp areas.

FEATURES

Amphibious Undercarriage Hydrostatic Drive

- Brand: Bonfiglioli
- Origin: Italy
- Integrated hydraulic 2 speed motors
- Output torque: 3059 kgf.m

Amphibious Undercarriage Construction

- Anti corrosion plate SMA 490
- 6 independent water tight compartments
- Reinforce Pontoon area with yield strength 1187Mpa steel plate.

Track Chains

- Triple strands
- Track chain pitch : 152.4 mm
- Running on hardox AR400 wear plate

Special Swamp Track Shoe

- Ultra High Molecular Weight Polyethylene (UHMWPE)
- High strength and quality material.
- 10000 hours warranty

APPLICATIONS

Side Pontoon & Spud

- To ensure stability while doing dredging activity in deeper area.
- 2 or 4 spud system.

- 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.
- Rocky river bed maintenance works.

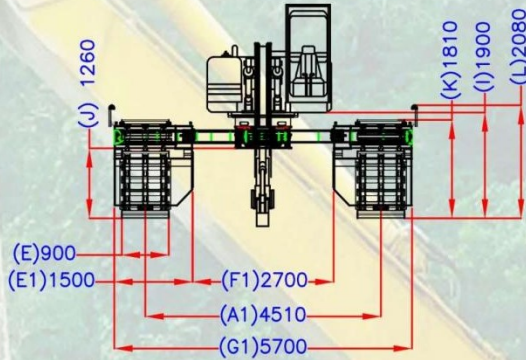


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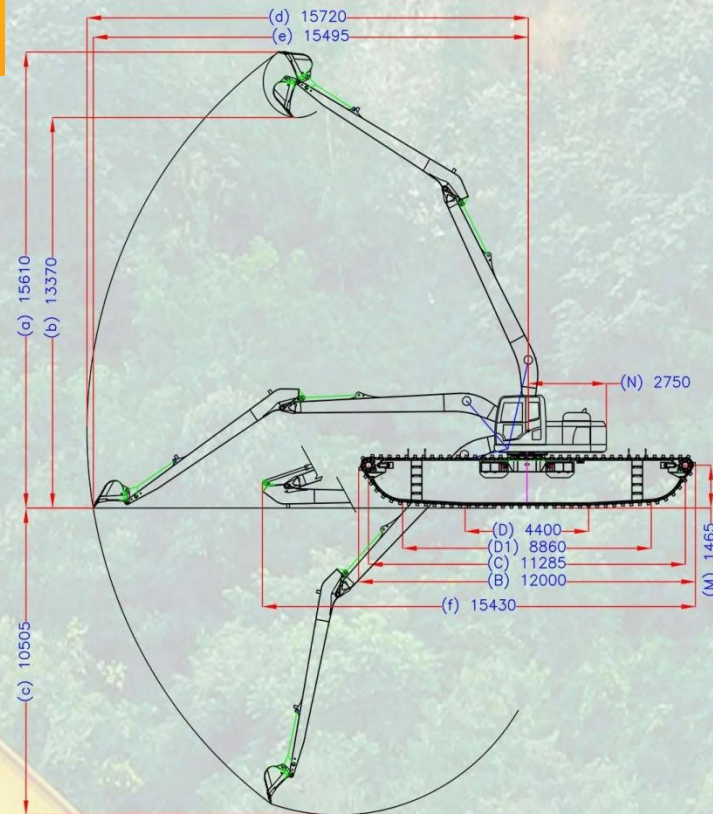
UA200ERN

TECHNICAL SPECIFICATION

EXTEND POSITION:



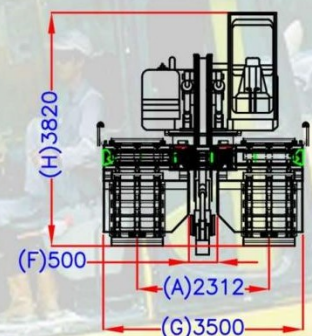
BASE MACHINE	20-24 TON CLASS
TOTAL WEIGHT	38,000
FLOAT CAPACITY	42 m³



ITEMS		UNIT	VALUE
TRAVEL SPEED	HI	km/h	4.2
	LO	km/h	2.3
MAXIMUM GRADIENT			30
WORK EQUIPMENT	BUCKET CAPACITY	m ³	0.7
WORKING RANGE	a. MAX. DIGGING HEIGHT	mm	15610
	b. MAX. DUMPING HEIGHT	mm	13370
	c. MAX. DIGGING DEPTH	mm	10505
	d. MAX. DIGGING REACH	mm	15720
	e. MAX DIGGING REACH ON GROUND	mm	15495
	f. TOTAL LENGTH DURING PARKING	mm	15430
DIMENSIONS	A. TRACK GAUGE (FULLY RETRACTED)	mm	2312
	A1. TRACK GAUGE (FULLY EXTENDED)	mm	4510
	B. TRACK LENGTH	mm	12000
	C. DISTANCE BETWEEN IDLER & SPROCKET	mm	11285
	D. TRACK LENGTH ON HARD GROUND	mm	4400
	D1. TRACK LENGTH ON SOFT GROUND	mm	8860
	E. WIDTH TRACK SHOE	mm	900
	E1. WIDTH FLOAT	mm	1500
	F. DISTANCE BETWEEN SHOE INSIDE (FULLY RETRACTED)	mm	500
	F1. DISTANCE BETWEEN SHOE INSIDE (FULLY EXTENDED)	mm	2700
	G. OVERALL MACHINE WIDTH (FULLY RETRACTED)	mm	3500
	G1. OVERALL MACHINE WIDTH (FULLY EXTENDED)	mm	5700
	H. OVERALL MACHINE HEIGHT	mm	3820
	I. GROUND CLEARANCE (COUNTERWEIGHT)	mm	2010
	J. MIN. GROUND CLEARANCE	mm	1900
	K. SHOE SETTING HEIGHT	mm	1810
	L. CRAWLER HEIGHT	mm	2080
	M. WATER LINE LEVEL	mm	1465
	N. MIN SWING RADIUS	mm	2750

GROUND PRESSURE (HARD)	0.43 Kg/cm²
GROUND PRESSURE (SOFT)	0.21 Kg/cm²
MAXIMUM TORQUE	3059 Kgf.m
FLOAT CAPACITY/ TOTAL WEIGHT	1.24 m³/ton

RETRACT POSITION:



* Dimensions are based on UA200ERN amphibious excavator equipped with 15m long reach arm and 0.7m³ ditching bucket or standard arm and 0.9m³ GP bucket.

* Specifications are subject to change without prior notice

* All dimensions are without side pontoon and spud

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