

# ULTRATREX AT200ER / AT200ERPS AT200ERN / AT200ERNPS



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





## INTRODUCTION

The Ultratrex Amphibious Excavator is designed to travel and operate safely and efficiently on soft terrain such as swamps, wetlands, and shallow waters. Its well-engineered amphibious hydraulic undercarriage provides ultra-low ground pressure and exceptional mobility, making it ideal for soft terrain and swamp applications. We manufacture amphibious hydraulic undercarriages for excavators ranging from 15 to 50 tons.

## FEATURES

### TRACK PLATES

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

### AMPHIBIOUS UNDERCARRIAGE CONSTRUCTION

- Anti corrosion plate (SMA 490)
- 3 independent water compartments
- Reinforce bottom area

### OPTIONAL FEATURES

- XTILT (Tilting Safety Sensor)
- Designed to enhance excavator operations by providing real-time guidance for bucket positioning

### GEAR RACK SPUD

- High precision gear rack teeth and pitch
- Robust design for enhanced stabilization when digging in deeper water

### GREASE TENSIONER SYSTEM

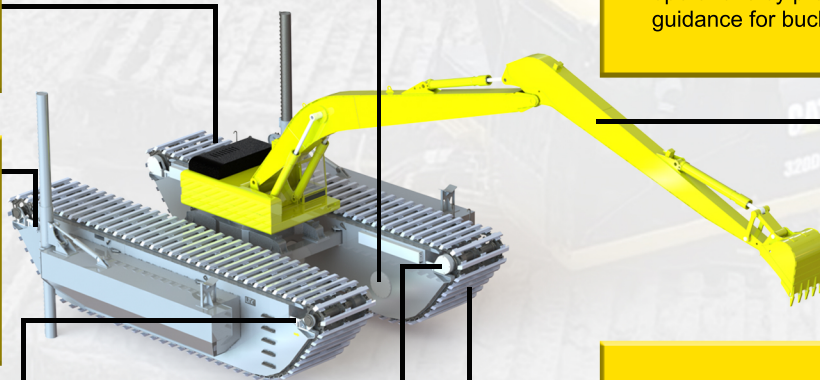
- Easier chain tensioning method compared to conventional systems using a spanner
- Uses grease to move the chain tensioning cylinder

### AMPHIBIOUS UNDERCARRIAGE HYDROSTATIC DRIVE

- Brand: Bonfiglioli
- Origin: Italy
- Integrated hydraulic 2-speed motors
- Output torque: 3059 kgfm

### TRACK CHAINS

- Triple strands
- Track chain pitch : 152.4 mm
- Running on 10mm Hardox AR400 wear plate



## APPLICATION

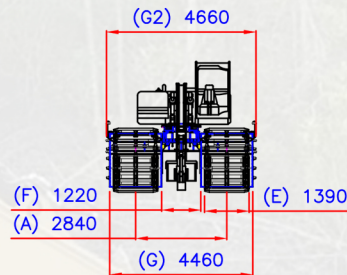
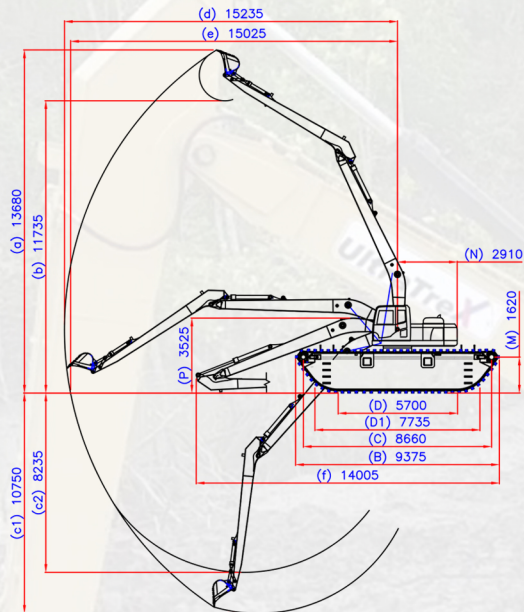
- Swamp land clearing for mining, plantations and forest areas
- Deepening of canals, river channels and river mouths
- Building bunds for flood prevention and land reclamation
- Sludge removal from lakes, ponds and water reservoirs
- Digging trenches for oil and gas pipeline installations
- Transporting and clearing landslides and flood hit areas
- Swamp and wetland construction
- Road construction through wetlands



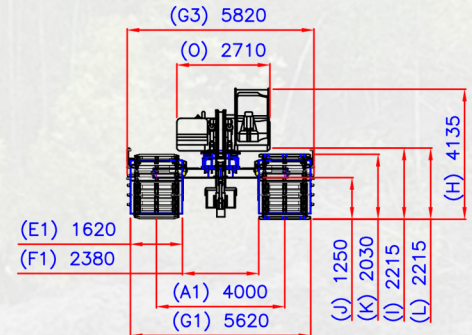
# ULTRATREX AT200ER/AT200ERPS/AT200ERN/ AT200ERNPS



## AT200ER TECHNICAL SPECIFICATIONS



RETRACTED POSITION



EXTENDED POSITION

GENERAL SPECIFICATIONS		
Base Machine	20 - 24 Ton Excavator	
Total Weight	Without Side Pontoon	32000 kg
Floating Capacity		40 m <sup>3</sup>
Floating Capacity/Total Weight		1.25 m <sup>3</sup> /ton
Maximum Torque Motor		3059 kgf-m
Ground Pressure (Include Upper Excavator)		0.18 kg/cm <sup>2</sup>
Ground Pressure (Undercarriage Only)		0.11 kg/cm <sup>2</sup>
Travel Speed	High	3.6 km/h
	Low	2.3 km/h
Maximum Gradient		30 °
WORK EQUIPMENT		
Boom Length		8650 mm
Arm Length		6250 mm
Bucket Capacity		0.5 m <sup>3</sup>
WORKING RANGES		
a. Maximum Digging Height		13680 mm
b. Maximum Dumping Height		11735 mm
c1. Maximum Digging Depth - From Front		10750 mm
c2. Maximum Digging Depth - From Side		8235 mm
d. Maximum Digging Reach		15235 mm
e. Maximum Digging Reach On Ground		15025 mm
f. Total Length During Parking		14005 mm

DIMENSIONS	
A. Track Gauge (Fully Retracted)	2840 mm
A1. Track Gauge (Fully Extended)	4000 mm
B. Track Length	9375 mm
C. Distance Between Idler And Sprocket	8660 mm
D. Track Length On Hard Ground	5700 mm
D1. Track Length On Soft Ground	7735 mm
E. Width Track Shoe	1390 mm
E1. Width Float	1620 mm
F. Distance Between Shoe Inside (Fully Retracted)	1220 mm
F1. Distance Between Shoe Inside (Fully Extended)	2380 mm
G. Overall Machine Floating Width (Fully Retracted)	4460 mm
G1. Overall Machine Floating Width (Fully Extended)	5620 mm
G2. Overall Machine Width (Fully Retracted)	4460 mm
G3. Overall Machine Width (Fully Extended)	5820 mm
H. Overall Machine Height	4135 mm
I. Ground Clearance (Counterweight)	2215 mm
J. Minimum Ground Clearance	1250 mm
K. Track Height	2030 mm
L. Crawler Height	2215 mm
M. Water Line Level	1620 mm
N. Rear Upper Structure Length	2910 mm
O. Upper Structure Overall Width	2710 mm
P. Height Of Boom	3520 mm

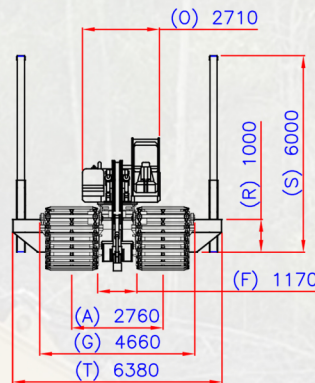
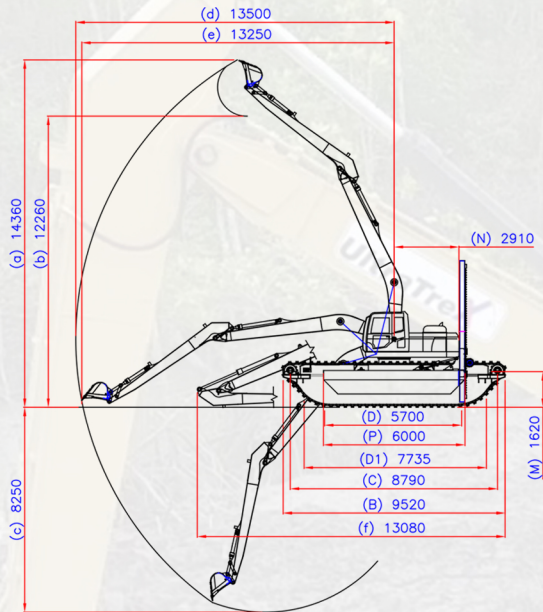
\*Dimensions are based on a 15m Long Reach Arm and 0.5m<sup>3</sup> General Purpose Bucket  
 Retracted Position - For transportation purposes  
 Extended Position - For operating purposes



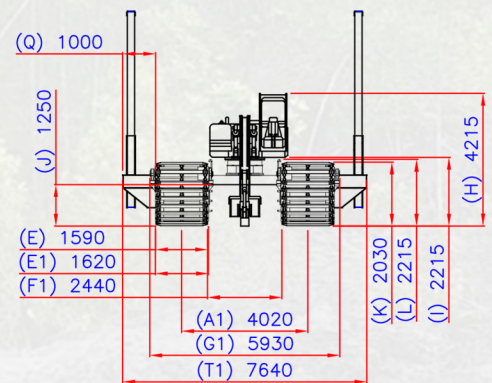
# ULTRATREX AT200ER/AT200ERPS/AT200ERN/ AT200ERNPS



## AT200ERPS TECHNICAL SPECIFICATIONS



RETRACTED POSITION



EXTENDED POSITION

GENERAL SPECIFICATIONS		
Base Machine		20 - 24 Ton Excavator
Total Weight	Without Side Pontoon	32000 kg
Floating Capacity		40 m3
Floating Capacity/Total Weight		1.25 m3/ton
Maximum Torque Motor		3059 kgf-m
Ground Pressure		0.18 kg/cm2
Travel Speed	High	3.6 km/h
	Low	2.3 km/h
Maximum Gradient		30 °
WORK EQUIPMENT		
Boom Length		7581 mm
Arm Length		5238 mm
Bucket Capacity		0.5 m3
WORKING RANGES		
a. Maximum Digging Height		14360 mm
b. Maximum Dumping Height		12260 mm
c. Maximum Digging Depth		8250 mm
d. Maximum Digging Reach		13500 mm
e. Maximum Digging Reach On Ground		13250 mm
f. Total Length During Parking		13080 mm

\*Dimensions are based on a 13.5m Long Reach Arm and 0.5m<sup>3</sup> General Purpose Bucket

Retracted Position - For transportation purposes

Extended Position - For operating purposes

DIMENSIONS	
A. Track Gauge (Fully Retracted)	2760 mm
A1. Track Gauge (Fully Extended)	4020 mm
B. Track Length	9520 mm
C. Distance Between Idler And Sprocket	8790 mm
D. Track Length On Hard Ground	5700 mm
D1. Track Length On Soft Ground	7735 mm
E. Width Track Shoe	1590 mm
E1. Width Float	1620 mm
F. Distance Between Shoe Inside (Fully Retracted)	1170 mm
F1. Distance Between Shoe Inside (Fully Extended)	2440 mm
G. Overall Machine Width (Fully Retracted)	4660 mm
G1. Overall Machine Width (Fully Extended)	5930 mm
H. Overall Machine Height	4215 mm
I. Ground Clearance (Counterweight)	2215 mm
J. Minimum Ground Clearance	1250 mm
K. Shoe Setting Height	2030 mm
L. Crawler Height	2215 mm
M. Water Line Level	1620 mm
N. Minimum Swing Radius	2910 mm
O. Cabin Width	2710 mm

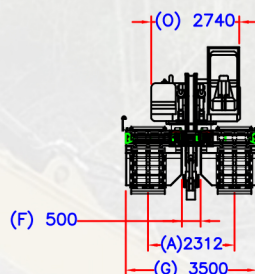
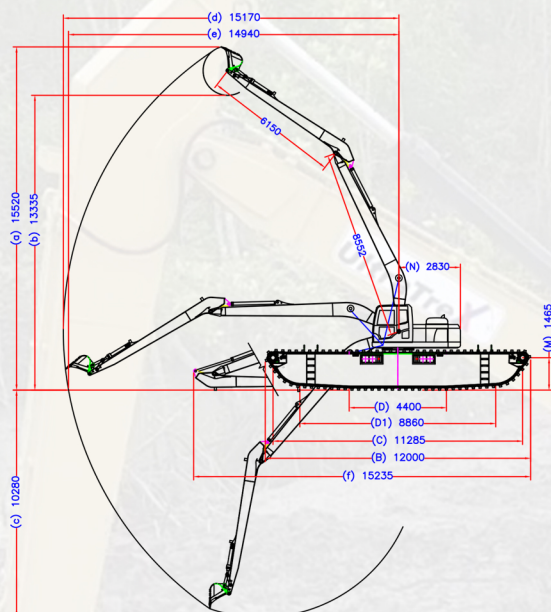
ADDITIONAL DIMENSIONS (SIDE PONTON)	
P. Side Pontoon Length	6000 mm
Q. Side Pontoon Width	1000 mm
R. Side Pontoon Height	1000 mm
S. Spud Length	6000 mm
T. Overall Machine Width (Fully Retracted)	6380 mm
T1. Overall Machine Width (Fully Extended)	7640 mm



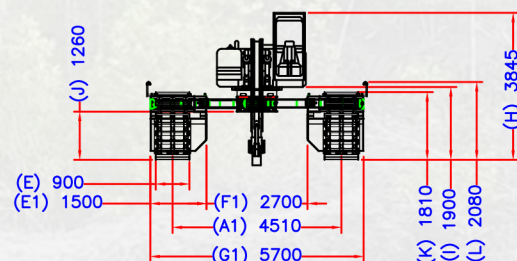
# ULTRATREX AT200ER/AT200ERPS/AT200ERN/ AT200ERNPS



## AT200ERN TECHNICAL SPECIFICATIONS



RETRACTED POSITION



EXTENDED POSITION

GENERAL SPECIFICATIONS		
Base Machine	20 - 24 Ton Excavator	
Total Weight	Without Side Pontoon	34000 kg
Floating Capacity		42 m <sup>3</sup>
Floating Capacity/Total Weight		1.24 m <sup>3</sup> /ton
Maximum Torque Motor		3059 kgf-m
Ground Pressure (Hard)		0.43 kg/cm <sup>2</sup>
Ground Pressure (Soft)		0.21 kg/cm <sup>2</sup>
Travel Speed	High	4.2 km/h
	Low	2.3 km/h
Maximum Gradient	30 °	

WORK EQUIPMENT	
Boom Length	8552 mm
Arm Length	6150 mm
Bucket Capacity	0.5 m <sup>3</sup>

WORKING RANGES	
a. Maximum Digging Height	15520 mm
b. Maximum Dumping Height	13335 mm
c. Maximum Digging Depth	10280 mm
d. Maximum Digging Reach	15170 mm
e. Maximum Digging Reach On Ground	14940 mm
f. Total Length During Parking	15235 mm

\*Dimensions are based on a 15m Long Reach Arm and 0.5m<sup>3</sup> General Purpose Bucket

Retracted Position - For transportation purposes

Extended Position - For operating purposes

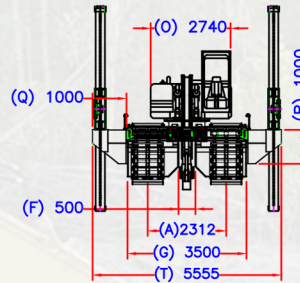
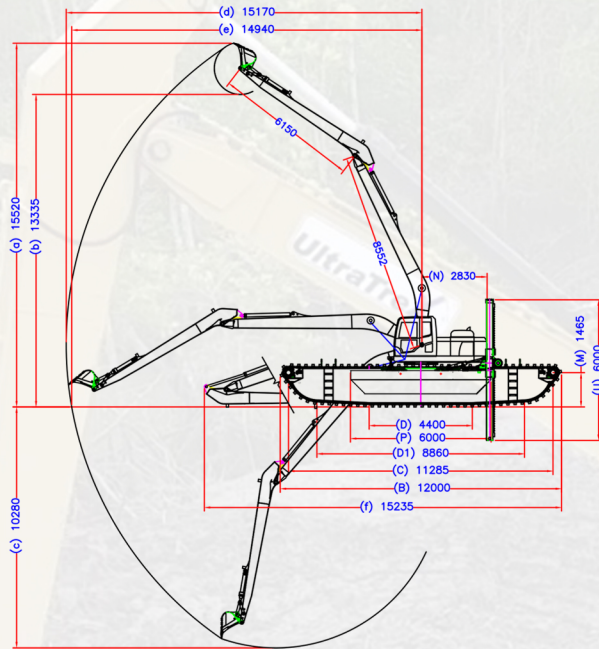
DIMENSIONS	
A. Track Gauge (Fully Retracted)	2312 mm
A1. Track Gauge (Fully Extended)	4510 mm
B. Track Length	12000 mm
C. Distance Between Idler And Sprocket	11285 mm
D. Track Length On Hard Ground	4400 mm
D1. Track Length On Soft Ground	8860 mm
E. Width Track Shoe	900 mm
E1. Width Float	1500 mm
F. Distance Between Shoe Inside (Fully Retracted)	500 mm
F1. Distance Between Shoe Inside (Fully Extended)	2700 mm
G. Overall Machine Width (Fully Retracted)	3500 mm
G1. Overall Machine Width (Fully Extended)	5700 mm
H. Overall Machine Height	3845 mm
I. Ground Clearance (Counterweight)	1900 mm
J. Minimum Ground Clearance	1260 mm
K. Shoe Setting Height	1810 mm
L. Crawler Height	2080 mm
M. Water Line Level	1465 mm
N. Minimum Swing Radius	2830 mm
O. Cabin Width	2740 mm



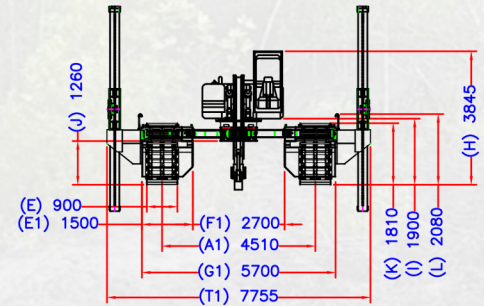
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## AT200ERNPS TECHNICAL SPECIFICATIONS



RETRACTED POSITION



EXTENDED POSITION

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Floating Capacity/Total Weight		1.24 m <sup>3</sup> /ton
Maximum Torque Motor		3059 kgf-m
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Maximum Gradient		30 °
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e. Maximum Digging Reach On Ground		14940 mm
f. Total Length During Parking		15235 mm

\*Dimensions are based on a 15m Long Reach Arm and 0.5m<sup>3</sup> General Purpose Bucket

Retracted Position - For transportation purposes  
Extended Position - For operating purposes

DIMENSIONS	
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E. Width Track Shoe	900 mm
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F. Distance Between Shoe Inside (Fully Retracted)	500 mm
F1. Distance Between Shoe Inside (Fully Extended)	2700 mm
G. Overall Machine Width (Fully Retracted)	3500 mm
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K. Shoe Setting Height	1810 mm
L. Crawler Height	2080 mm
M. Water Line Level	1465 mm
N. Minimum Swing Radius	2830 mm
O. Cabin Width	2740 mm

ADDITIONAL DIMENSIONS (SIDE PONTON)	
P. Side Pontoon Length	6000 mm
Q. Side Pontoon Width	1000 mm
R. Side Pontoon Height	1000 mm
T. Overall Machine Width (Fully Retracted)	5555 mm
T1. Overall Machine Width (Fully Extended)	7755 mm
U. Spud Length	6000 mm



ULTRATREX  
**AT200ER/AT200ERPS/AT200ERN/  
AT200ERNPS**



**GALLERY**





**UTX, YOUR TRUSTED PARTNER  
IN DREDGING & ENVIRONMENTAL CONTROL SOLUTIONS**



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ISO 9001 : 2015



For more information on Ultratrex products, dredging,  
and environmental control solutions, visit our website at  
**[www.amphibousexcavator.com](http://www.amphibousexcavator.com)**

Materials and specifications are subject to change without notice.  
The brochure may feature additional equipment.  
Contact your Ultratrex dealer for available options.



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