

ULTRATREX AT90ER / AT90ERPS AT90ERN / AT90ERNPS



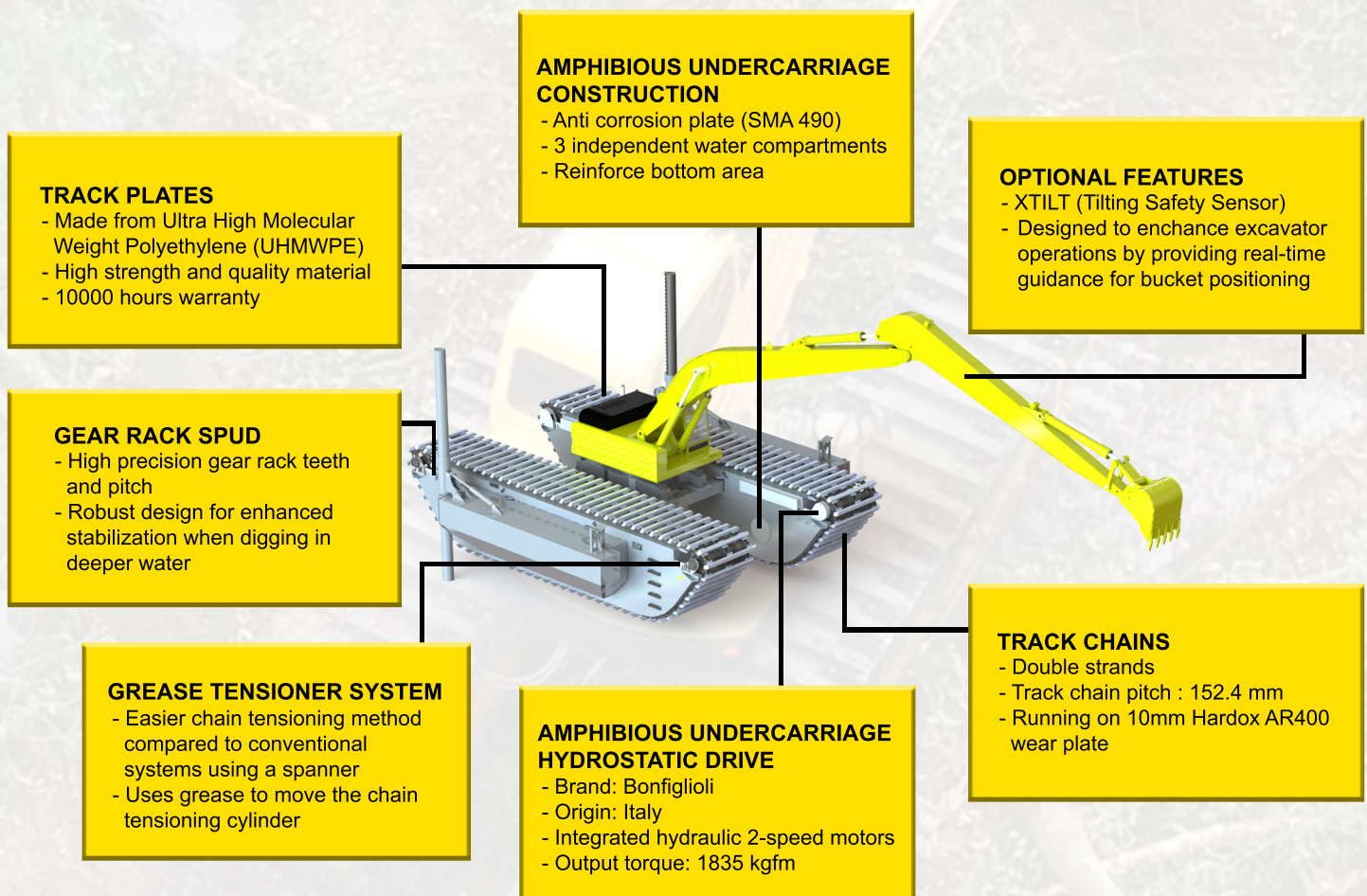
CER NO : TUV 100-01-2043
ISO 9001 : 2015



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.

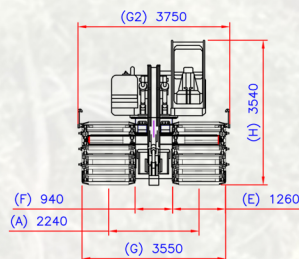
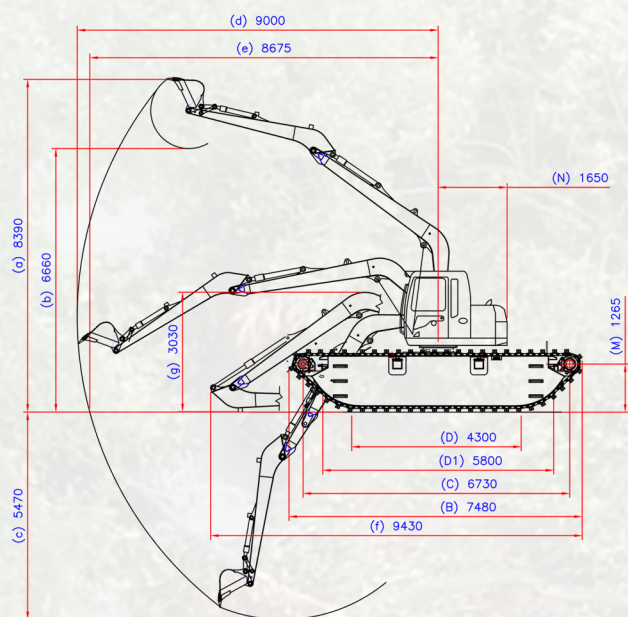
FEATURES



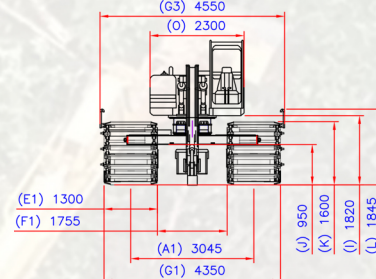
APPLICATIONS

- 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

AT90ER TECHNICAL SPECIFICATIONS



RETRACTED POSITION



EXTENDED POSITION

GENERAL SPECIFICATIONS		
Base Machine	7 - 9 Ton Excavator	
Total Weight	Without Side Pontoon	14040 kg
Floating Capacity		18 m ³
Floating Capacity/Total Weight		1.22 m ³ /ton
Maximum Torque Motor		1835 kgf-m
Ground Pressure		0.14 kg/cm ²
Travel Speed	High	4.2 km/h
	Low	2.3 km/h
Maximum Gradient	30 °	

WORK EQUIPMENT	
Boom Length	3700 mm
Arm Length	1670 mm
Bucket Capacity	0.31 m ³

WORKING RANGES	
a. Maximum Digging Height	8390 mm
b. Maximum Dumping Height	6660 mm
c. Maximum Digging Depth	5470 mm
d. Maximum Digging Reach	9000 mm
e. Maximum Digging Reach On Ground	8675 mm
f. Total Length During Parking	9430 mm
g. Total Height During Parking	3030 mm

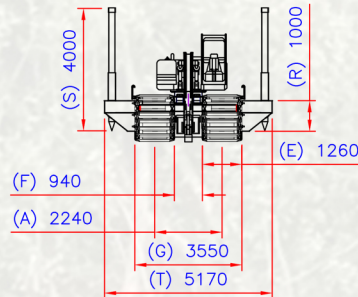
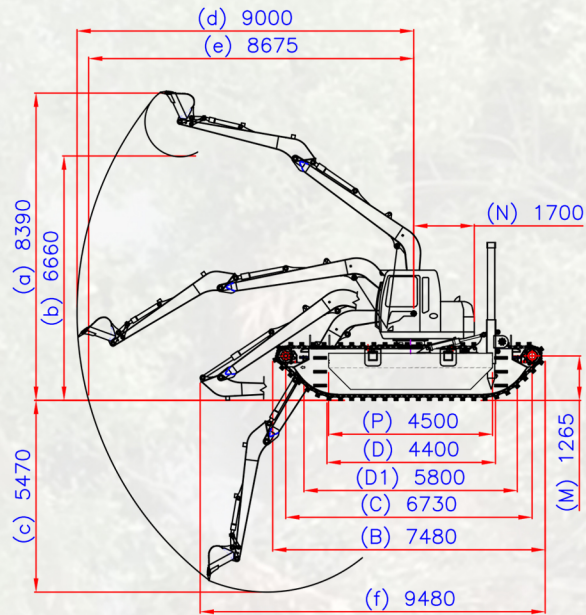
*Dimensions are based on a 9m Long Reach Arm and 0.18m³ General Purpose Bucket

Retracted Position - For transportation purposes

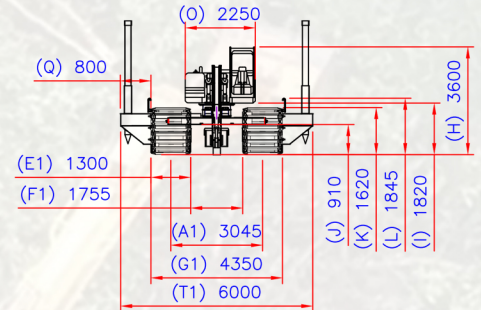
Extended Position - For operating purposes

DIMENSIONS	
A. Track Gauge (Fully Retracted)	2240 mm
A1. Track Gauge (Fully Extended)	3045 mm
B. Track Length	7480 mm
C. Distance Between Idler And Sprocket	6730 mm
D. Track Length On Hard Ground	4300 mm
D1. Track Length On Soft Ground	5800 mm
E. Width Track Shoe	1260 mm
E1. Width Float	1300 mm
F. Distance Between Shoe Inside (Fully Retracted)	940 mm
F1. Distance Between Shoe Inside (Fully Extended)	1755 mm
G. Overall Machine Floating Width (Fully Retracted)	3550 mm
G1. Overall Machine Floating Width (Fully Extended)	4350 mm
G2. Overall Machine Width (Fully Retracted)	3750 mm
G3. Overall Machine Width (Fully Extended)	4550 mm
H. Overall Machine Height	3540 mm
I. Ground Clearance (Counterweight)	1820 mm
J. Minimum Ground Clearance	950 mm
K. Shoe Setting Height	1600 mm
L. Crawler Height	1845 mm
M. Water Line Height	1265 mm
N. Minimum Swing Radius	1650 mm
O. Cabin Width	2300 mm

AT90ERPS TECHNICAL SPECIFICATIONS



RETRACTED POSITION



EXTENDED POSITION

GENERAL SPECIFICATIONS		
Base Machine	7 - 9 Ton Excavator	
Total Weight	Without Side Pontoon	14040 kg
Floating Capacity		18 m ³
Floating Capacity/Total Weight		1.22 m ³ /ton
Maximum Torque Motor		1835 kgf-m
Ground Pressure		0.14 kg/cm ²
Travel Speed	High	4.2 km/h
	Low	2.3 km/h
Maximum Gradient	30 °	

WORK EQUIPMENT	
Boom Length	5350 mm
Arm Length	3800 mm
Bucket Capacity	0.33 m ³

WORKING RANGES	
a. Maximum Digging Height	8390 mm
b. Maximum Dumping Height	6660 mm
c. Maximum Digging Depth	5470 mm
d. Maximum Digging Reach	9000 mm
e. Maximum Digging Reach On Ground	8675 mm
f. Total Length During Parking	9480 mm

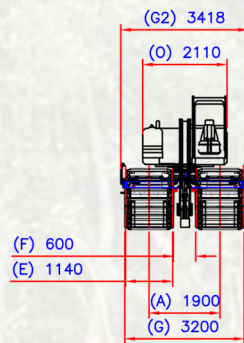
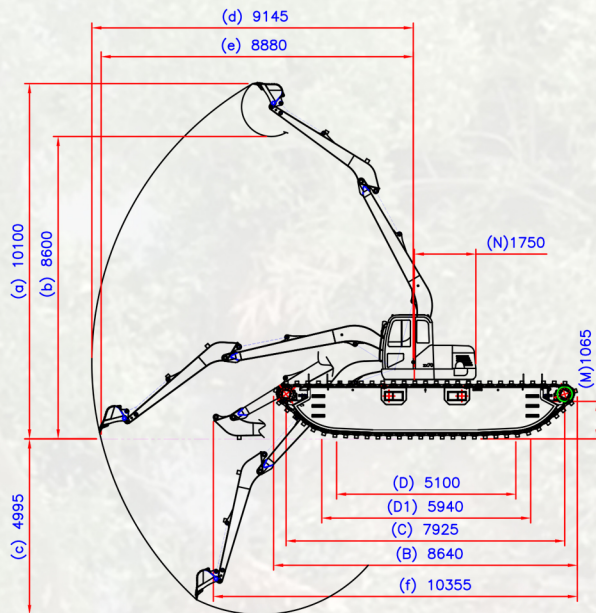
*Dimensions are based on a 9m Long Reach Arm and 0.18m³ General Purpose Bucket

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

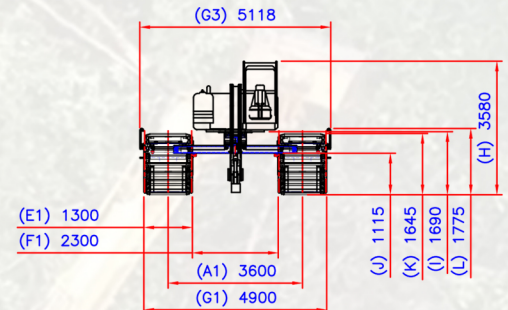
DIMENSIONS	
A. Track Gauge (Fully Retracted)	2240 mm
A1. Track Gauge (Fully Extended)	3045 mm
B. Track Length	7480 mm
C. Distance Between Idler And Sprocket	6730 mm
D. Track Length On Hard Ground	4400 mm
D1. Track Length On Soft ground	5800 mm
E. Width Track Shoe	1260 mm
E1. Width Float	1300 mm
F. Distance Between Shoe Inside (Fully Retracted)	940 mm
F1. Distance Between Shoe Inside (Fully Extended)	1755 mm
G. Overall Machine Width (Fully Retracted)	3550 mm
G1. Overall Machine Width (Fully Extended)	4350 mm
H. Overall Machine Height	3600 mm
I. Ground Clearance (Counterweight)	1820 mm
J. Minimum Ground Clearance	910 mm
K. Shoe Setting Height	1620 mm
L. Crawler Height	1845 mm
M. Water Line Height	1265 mm
N. Minimum Swing Radius	1700 mm
O. Cabin Width	2250 mm

ADDITIONAL DIMENSIONS (SIDE PONTON)	
P. Side Pontoon Length	4500 mm
Q. Side Pontoon Width	800 mm
R. Side Pontoon Height	1000 mm
S. Spud Length	4000 mm
T. Overall Machine Width (Fully Retracted)	5170 mm
T1. Overall Machine Width (Fully Extended)	6000 mm

AT90ERN TECHNICAL SPECIFICATIONS



RETRACTED POSITION



EXTENDED POSITION

GENERAL SPECIFICATIONS		
Base Machine	7 - 9 Ton Excavator	
Total Weight	Without Side Pontoon	15000 kg
Floating Capacity		22 m ³
Floating Capacity/Total Weight		1.47 m ³ /ton
Maximum Torque Motor		1835 kgf-m
Ground Pressure		0.11 kg/cm ²
Travel Speed	High	4.2 km/h
	Low	2.3 km/h
Maximum Gradient	30 °	

WORK EQUIPMENT	
Boom Length	5345 mm
Arm Length	3320 mm
Bucket Capacity	0.18 m ³

WORKING RANGES	
a. Maximum Digging Height	10100 mm
b. Maximum Dumping Height	8600 mm
c. Maximum Digging Depth	4995 mm
d. Maximum Digging Reach	9145 mm
e. Maximum Digging Reach On Ground	8880 mm
f. Total Length During Parking	10355 mm

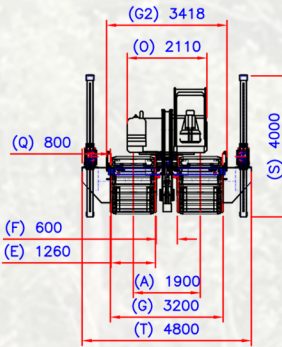
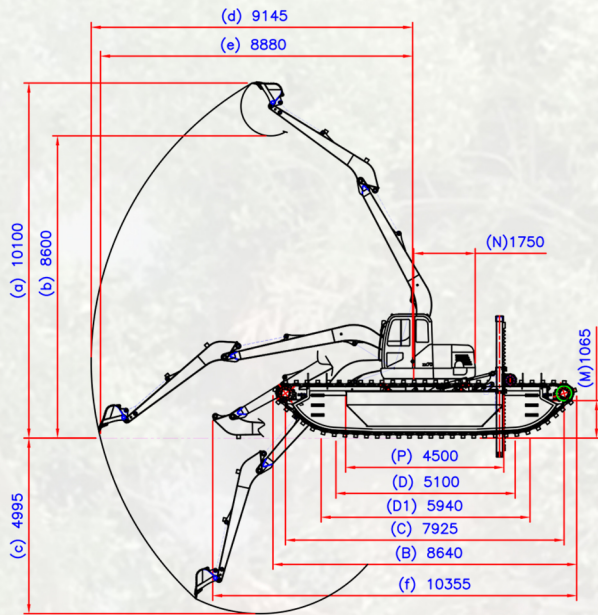
*Dimensions are based on a 9m Long Reach Arm and 0.18m³ General Purpose Bucket

Retracted Position - For transportation purposes

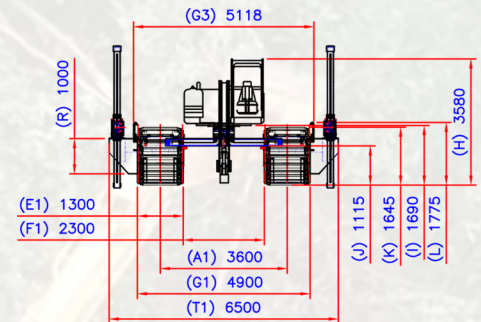
Extended Position - For operating purposes

DIMENSIONS	
A. Track Gauge (Fully Retracted)	1900 mm
A1. Track Gauge (Fully Extended)	3600 mm
B. Track Length	8640 mm
C. Distance Between Idler And Sprocket	7925 mm
D. Track Length On Hard Ground	5100 mm
D1. Track Length On Soft Ground	5940 mm
E. Width Track Shoe	1140 mm
E1. Width Float	1300 mm
F. Distance Between Shoe Inside (Fully Retracted)	600 mm
F1. Distance Between Shoe Inside (Fully Extended)	2300 mm
G. Overall Machine Floating Width (Fully Retracted)	3200 mm
G1. Overall Machine Floating Width (Fully Extended)	4900 mm
G2. Overall Machine Width (Fully Retracted)	3418 mm
G3. Overall Machine Width (Fully Extended)	5118 mm
H. Overall Machine Height	3580 mm
I. Ground Clearance (Counterweight)	1690 mm
J. Minimum Ground Clearance	1115 mm
K. Shoe Setting Height	1645 mm
L. Crawler Height	1775 mm
M. Water Line Height	1065 mm
N. Minimum Swing Radius	1750 mm
O. Cabin Width	2110 mm

AT90ERNPS TECHNICAL SPECIFICATIONS



RETRACTED POSITION



EXTENDED POSITION

GENERAL SPECIFICATIONS		
Base Machine		7 - 9 Ton Excavator
Total Weight	Without Side Pontoon	15000 kg
Floating Capacity		22 m3
Floating Capacity/Total Weight		1.47 m3/ton
Maximum Torque Motor		1835 kgf-m
Ground Pressure		0.11 kg/cm2
Travel Speed	High	4.2 km/h
	Low	2.3 km/h
Maximum Gradient		30 °

WORK EQUIPMENT	
Boom Length	5345 mm
Arm Length	3320 mm
Bucket Capacity	0.18 m3

WORKING RANGES	
a. Maximum Digging Height	10100 mm
b. Maximum Dumping Height	8600 mm
c. Maximum Digging Depth	4995 mm
d. Maximum Digging Reach	9145 mm
e. Maximum Digging Reach On Ground	8880 mm
f. Total Length During Parking	10355 mm

ADDITIONAL DIMENSIONS (SIDE PONTON)	
P. Side Pontoon Length	4500 mm
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T. Overall Machine Width (Fully Retracted)	4800 mm
T1. Overall Machine Width (Fully Extended)	6000 mm

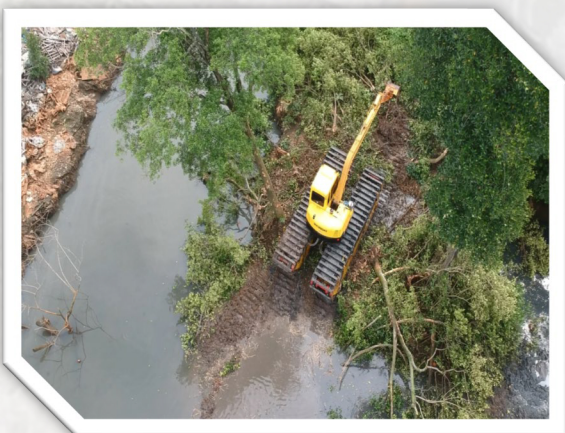
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K. Shoe Setting Height	1645 mm
L. Crawler Height	1775 mm
M. Water Line Height	1065 mm
N. Minimum Swing Radius	1750 mm
O. Cabin Width	2110 mm

*Dimensions are based on a 9m Long Reach Arm and 0.18m3 General Purpose Bucket

Retracted Position - For transportation purposes

Extended Position - For operating purposes

GALLERY



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



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



For more information on Ultratrex products, dredging,
and environmental control solutions, visit our website at
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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