



UTX, YOUR TRUSTED PARTNER IN
SHALLOW DREDGING EQUIPMENT

AT 90ER / AT 90ERPS



CERT NO: TUV100 01 2043
ISO 9001: 2015



ULTRATREX MACHINERY SDN BHD

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An amphibious excavator that can travel and work safely and effectively on soft terrain such as swamp, wet land and shallow water.

The well designed amphibious hydraulic undercarriage has ultra-low ground pressure and unparalleled mobility to work on soft terrains and swamps area.

We manufacture amphibious hydraulic undercarriages for excavator ranging from 5 to 50 ton excavators.

Ultratrex Amphibious Excavator has well proven itself to work effectively on the following applications:

- Swamp land clearing at mining area, plantation and forest.
- Deepening of canal, river channel & river mouth.
- Building bund for flood prevention & land reclamation.
- Building bund wall for fish & shrimp ponds & salt making industry.
- Sludge clearing of lakes, ponds & water reservoir.
- Digging trenches for oil & gas piping installation.
- Transporting & clearing landslide & flood hit area.
- Swamps and wetlands construction.
- Road construction through wetlands.

Ultratrex AT 90ER / AT 90ERPS amphibious hydraulic undercarriage technical specification:

1. Amphibious undercarriage hydrostatic drive.

Brand: DOOSAN.

Type: Hydrostatic drive with integrated hydraulic 2 speed motors.

Working pressure: 350kgf/cm².

Output torque: 1250kgfm.

2. Amphibious undercarriage construction: Anti corrosion steel plate, Material code: SMA 490.

Each amphibious undercarriage is equipped with 3 independent water tight compartments.

The bottom of amphibious undercarriage is reinforced.

3. Track Chains

Triple strands track chain per amphibious undercarriage. Pitch: 152.4mm.

The track chain rollers are running on Hardox 400, 10mm thickness wear plates.

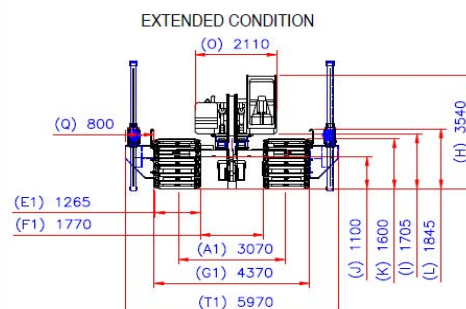
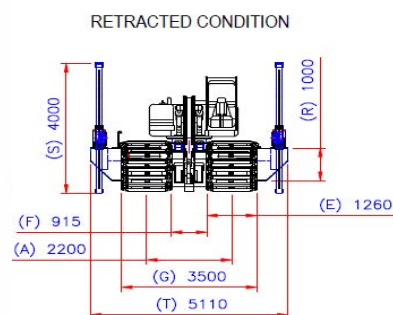
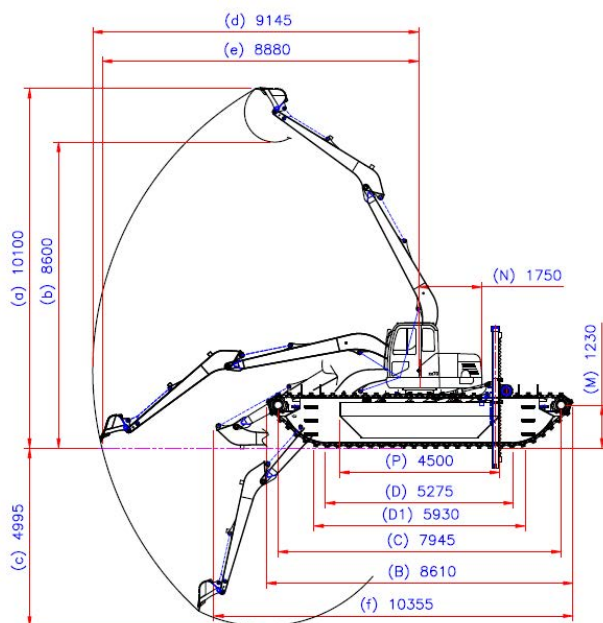
4. Gradeability: 30 degree.

5. Operating weight

16 tons. (Including hydraulic excavator upper body and 9 meter Long Reach Arm).

6. Warranty

10,000 hours warranty on the UHMWPE (Ultra-High-Molecular-Weight Polyethylene) track plates against cracks.



ITEM		UNIT	VALUE
BASE MACHINE		7-9 TON EXCAVATOR	
TOTAL WEIGHT	WITHOUT SIDE PONTOON	Kg	15000
FLOAT CAPACITY		m ³	22
FLOAT CAPACITY/TOTAL WEIGHT		M ³ /ton	1.47
MAXIMUM TORQUE MOTOR		kgf-m	1835
GROUND PRESSURE		KG/cm ²	0.11
TRAVEL SPEED	HI	km/H	4.2
	LO	km/H	2.3
MAXIMUM GRADIENT		°	30
WORK EQUIPMENT	BOOM LENGTH	mm	5345
	ARM LENGTH	mm	3320
	BUCKET CAPACITY	m ³	0.18
WORKING RANGE	a. MAX. DIGGING HEIGHT	mm	10100
	b. MAX. DUMPING HEIGHT	mm	8600
	c. MAX. DIGGING DEPTH	mm	4995
	d. MAX. DIGGING REACH	mm	9145
	e. MAX DIGGING REACH ON GROUND	mm	8880
	f. TOTAL LENGHT DURING PARKING	mm	10355
DIMENSIONS	A. TRACK GAUGE (FULLY RETRACTED)	mm	2200
	A1. TRACK GAUGE (FULLY EXTENDED)	mm	3070
	B. TRACK LENGTH	mm	8610
	C. DISTANCE BETWEEN IDLER & SPROCKET	mm	7940
	D. TRACK LENGTH ON HARD GROUND	mm	5275
	D1. TRACK LENGTH ON SOFT GROUND	mm	5930
	E. WIDTH TRACK SHOE	mm	1260
	E1. WIDTH FLOAT	mm	1265
	F. DISTANCE BETWEEN SHOE INSIDE (FULLY RETRACTED)	mm	915
	F1. DISTANCE BETWEEN SHOE INSIDE (FULLY EXTENDED)	mm	1770
	G. OVERALL MACHINE WIDTH (FULLY RETRACTED)	mm	3500
	G1. OVERALL MACHINE WIDTH (FULLY EXTENDED)	mm	4370
	H. OVERALL MACHINE HEIGHT	mm	3540
	I. GROUND CLEARANCE (COUNTERWEIGHT)	mm	1705
	J. MIN. GROUND CLEARANCE	mm	1100
	K. SHOE SETTING HEIGHT	mm	1600
	L. CRAWLER HEIGHT	mm	1845
	M. WATER LINE HEIGHT	mm	1230
	N. MIN SWING RADIUS	mm	1750
	O. CABIN WIDTH	mm	2110
ADDITIONAL DIMENSIONS (SIDE PONTOON)	P. SIDE PONTOON LENGTH	mm	4500
	Q. SIDE PONTOON WIDTH	mm	800
	R. SIDE PONTOON HEIGHT	mm	1000
	S. SPUD LENGTH	mm	4000
	T. OVERALL MACHINE WIDTH (FULLY RETRACTED)	mm	4800
	T1. OVERALL MACHINE WIDTH (FULLY EXTENDED)	mm	6000

Technical Dimension

**Dimension Are Based On
SK75 9m Long Reach Arm &
0.18m³ Ditching Bucket.

**Specification Are Subject To
Change Without Prior Noticed.

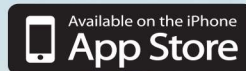
Retracted position -
Transportation purpose.

Extended position -
Operating purpose.



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