



**UTX, YOUR TRUSTED PARTNER IN  
SHALLOW DREDGING EQUIPMENT**

**AT 300 / AT 300PS**



CERT NO: TUV100 01 2043  
ISO 9001: 2015



**ULTRATREX MACHINERY SDN BHD**

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**[WWW.AMPHIBIOUSEXCAVATOR.COM](http://WWW.AMPHIBIOUSEXCAVATOR.COM)**

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 300PS amphibious hydraulic undercarriage technical specification:

1. Amphibious undercarriage hydrostatic drive.

Brand: DOOSAN.

Type: Hydrostatic drive with integrated hydraulic 2 speed motors.

Working pressure: 350kgf/cm<sup>2</sup>.

Output torque: 3488kgfm.

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.

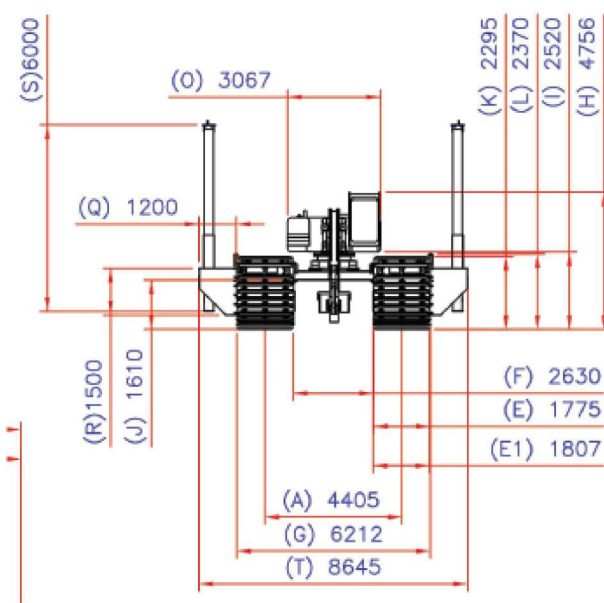
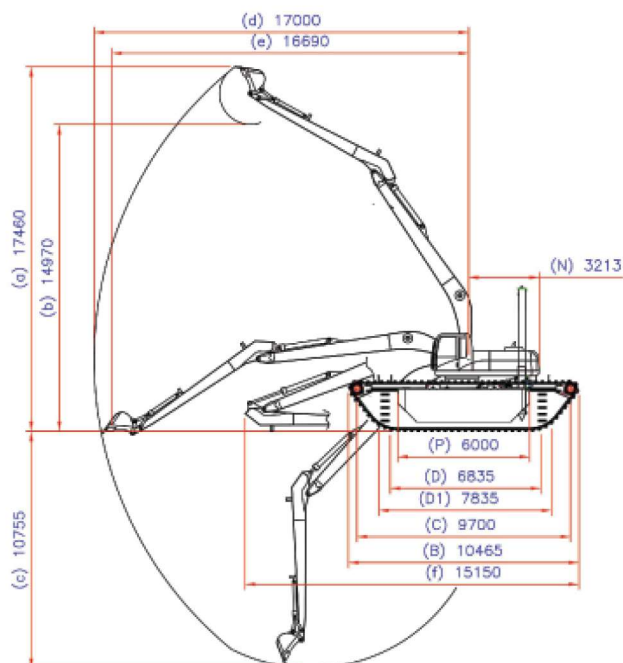
4. Gradeability: 30 degree.

5. Operating weight

45 tons. (Including hydraulic excavator upper body and 17 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		30TON CLASS EXCAVATOR	
TOTAL WEIGHT	WITHOUT SIDE PONTOON	Kg	45000
FLOAT CAPACITY		m <sup>3</sup>	60
FLOAT CAPACITY/TOTAL WEIGHT		M <sup>3</sup> /ton	0.75
MAXIMUM TORQUE		mm	3480
GROUND PRESSURE		KG/cm <sup>2</sup>	0.15
TRAVEL SPEED	HI	km/h	3.2
	LO	km/h	1.8
MAXIMUM GRADIENT		°	30
WORK EQUIPMENT	BOOM LENGTH	mm	9520
	ARM LENGTH	mm	6650
	BUCKET CAPACITY	m <sup>3</sup>	0.9
WORKING RANGE	a. MAX. DIGGING HEIGHT	mm	17460
	b. MAX. DUMPING HEIGHT	mm	14790
	c. MAX. DIGGING DEPTH	mm	10755
	d. MAX. DIGGING REACH	mm	17000
	e. MAX DIGGING REACH ON GROUND	mm	16690
	f. TOTAL LENGTH DURING PARKING	mm	15150
DIMENSIONS	A. TRACK GAUGE	mm	4405
	B. TRACK LENGTH	mm	10465
	C. DISTANCE BETWEEN IDLER & SPROCKET	mm	9700
	D. TRACK LENGTH ON HARD GROUND	mm	6835
	D1. TRACK LENGTH ON SOFT GROUND	mm	7835
	E. WIDTH TRACK SHOE	mm	1775
	E1. WIDTH FLOAT	mm	1807
	F. DISTANCE BETWEEN SHOE INSIDE	mm	2630
	G. OVERALL MACHINE WIDTH	mm	6212
	H. OVERALL MACHINE HEIGHT	mm	4756
	I. GROUND CLEARANCE (COUNTERWEIGHT)	mm	2520
	J. MIN. GROUND CLEARANCE	mm	1610
	K. SHOE SETTING HEIGHT	mm	2295
	L. CRAWLER HEIGHT	mm	2370
	M. WATER LINE LEVEL	mm	1880
	N. MIN SWING RADIUS	mm	3213
	O. CABIN WIDTH	mm	3067
ADDITIONAL DIMENSIONS (SIDE PONTOON)	P. SIDE PONTOON LENGTH	mm	6000
	Q. SIDE PONTOON WIDTH	mm	1200
	R. SIDE PONTOON HEIGHT	mm	1500
	S. SPUD LENGTH	mm	6000
	T. OVERALL MACHINE WIDTH	mm	8645

## Technical Dimension

\*\*Dimension Are Based On  
17m Long Reach Arm &  
0.9m<sup>3</sup> GP Bucket.

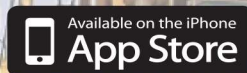
\*\*Specification Are Subject To  
Change Without Prior Noticed.





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