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Solutions built to last.

Tuboshu delivers innovative, sustainable engineering built for Africa. Backed by decades of expertise, we design adaptive, high-performance solutions that solve real operational challenges. Our commitment to quality drives every project, supported by a trusted network for maintenance, technical assistance, and ongoing after-sales service.

Elevate Your Power



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Certain specification(s) are based on engineering calculations and are not actual measurements. Specification(s) are provided for comparison purposes only and are subject to change without notice. Specification(s) for your individual Tuboshu equipment will vary based on normal variations in design, manufacturing, operating conditions, and other factors. Pictures of Develon units may show other than standard equipment.

TUBOSHU⁷



CRANE TRUCK⁷
TTC100

TECHNICAL SPECIFICATION

CHARACTERISTICS

Manufacturer		TUBOSHU
Model		TTC100
Configuration Number		TUTZTGZ100UK

TECHINCAL DATA

CAPACITY	Max. lifting capacity	t	100
WEIGHT	Gross weight	t	50
POWER	Engine model	–	YCK11430–66A
	Max. engine power	kW/rpm	316
	Max. engine torque	N·m/rpm	2000/950–1400
DIMENSIONS	Overall length	mm	14882
	Overall width	mm	2800
	Overall height	mm	3964
TRAVEL	Max. travel speed	km/h	89
	Min. steering radius	m	≤12
	Min. steering radius of boom tip	m	14.826
	Wheel formula	–	8×4
	Min. ground clearance	mm	303
	Approach angle	°	21
	Departure angle	°	13
	Max. gradeability	–	47
	Fuel consumption per 100 km	L	43
	Working temperature range	°C	–20 ~ 40
MAIN PERF.	Min. rated lifting radius	m	3
	Tail slewing radius	mm	4422
	Boom sections (Qty.)	–	5
	Boom shape	–	U shape
	Max. lifting moment – Basic boom	kN·m	3587
	Max. lifting moment – Full-ext. boom	kN·m	2452
	Max. lifting moment – Full-ext.+jib	kN·m	1389
	Max. lifting moment – Full-ext.+ext.+jib	kN·m	993
	Boom length – Basic boom	m	13
	Boom length – Full-ext. boom	m	50.5
	Boom length – Full-ext.+jib	m	68.2
	Boom length – Full-ext.+ext.+jib	m	77.2
	Max. lifting height – Basic boom	m	13.4
	Max. lifting height – Full-ext. boom	m	50.8
	Max. lifting height – Full-ext.+jib	m	68.3
	Max. lifting height – Full-ext.+ext.+jib	m	77.2
	Outrigger span (Long.×Trans.)	m	8.06×6.66
	Jib offset	°	0, 15, 30
AIR COND.	In operator's cab	–	Cooling/Heating (Optional)
	In driver's cab	–	Cooling/Heating (Optional)

TECHNICAL SPECIFICATION

AXLE LOAD

Axle 1	Axle 2	Axle 3	Axle 4	Gross Weight	Remark
12	12	13	13	50	Travelling: 2 counterweights, 55t hook under derricking cylinder, 7t hook on boom support

HOOK & REEVING

Axle 1	Axle 2	Axle 3	Axle 4
80	6	12	700
55	4	8	500
7	0	1	110

WORKING SPEED

Axle 1	Axle 2	Axle 3	Axle 4
Main winch	Single rope lifting speed 0–135 m/min	20mm/275mm	7t
Aux. winch	Single rope lifting speed 0–80 m/min	20mm/165mm	7t
Swing	0–1.8 r/min	–	–
Derricking up/down	50/60s (0°–80°)	–	–
Extension/retraction	130s/80s (13m–50.6m)	–	–

MAIN BOOM LOAD CHART – COUNTERWEIGHT 28T, OUTRIGGER 6.7×8.1M, 360°

Radius	13m	17.7m	20m	22.4m	24.7m	27.1m	29.4m	31.8m	34.1m	36.5m	38.8m	41.2m	43.5m	45.9m	50.5m
3	100	74	42	59											
3.5	85	73	42	59											
4	80	72	42	59.5	42.5	40.5									
4.5	75	70.1	42	60	42.5	40.5	42								
5	70.5	66.5	42.5	59	42.5	41	42	40.5							
5.5	65.5	62.5	42.5	56	42.5	41	42	40.5							
6	61	58.5	42.5	53.7	42.5	41	42.5	40.5	31.4	35					
7	52	51.7	43	49.4	43	40.5	41	41	29.2	34					
8	45.1	44.5	42	44	42	39	39.5	41	27.5	33	27.8	22			
9	38.5	41.3	41	38.1	40	36.4	37.4	40	25.7	31.4	26.4	20.8	25.5	20.7	
10		36.1	39.2	35.9	37.5	34.7	35.9	37.4	24.1	29.4	24.8	19.5	24.3	19.7	18.3
12		29.4	32.1	29	31.2	31.3	30.6	32.1	21.6	26.1	22.3	17.7	21.8	17.7	17.2
14		22.5	25	22.1	24.1	25.8	23.6	25	19.3	22.9	20.3	15.9	19.6	16.4	16.2
16			20.1	17.4	19.3	20.9	18.8	20.2	17.3	19.6	18.5	14.5	17.7	15.2	14.9
18				14		13.2	15.8	16.7	15.7	16.1	16.8	13.6	14	13.6	13.8
20					13.2	14.7	12.7	14	14.3	13.5	14.5	12.5	14	13.1	12.4
22						12.6	10.6	11.9	13	11.4	12.4	11.7	11.9	12.2	11.4
24							9	10.2	11.3	9.7	10.7	10.8	10.3	11	10.4
26								8.9	9.9	8.4	9.3	10	8.9	9.7	9.2
28								8.8	7.2	8.2	9	7.7	8.5	8.1	
30								7.8	6.2	7.2	8	6.7	7.5	7.1	
32									5.4	6.3	7.2	5.9	6.7	6.2	
34										5.6	6.4	5.2	5.9	5.5	
36										5.8	4.5	5.3	4.9		
38											4	4.7	4.3		
40											4.2	3.8			
42												3.3			
44												2.9			

TECHNICAL SPECIFICATION

FIXED JIB LOAD CHART – FULL-EXT. BOOM 50.5M, OUTRIGGER 6.7×8.1M, 360°, CW 28T

Boom Angle (°)	Jib 10.7m			Jib 17.7m			Jib 26.7m		
	0°	15°	30°	0°	15°	30°	0°	15°	30°
80	7.7	5.5	3.7	3.6	2.7	1.6	3.1	2.4	1.9
78	7.5	5.3	3.5	3.6	2.6	1.6	3.1	2.4	1.6
75	6.7	5.1	3.4	3.6	2.5	1.5	3.1	2.4	1.5
72	6.4	5	3.3	3.6	2.4	1.4	3.1	2.2	1.5
70	6.1	5	3.2	3.6	2.2	1.4	3.1	2.2	1.3
65	5.3	4.5	2.7	3.2	1.8	1.2	3.1	1.8	1.3
60	4.8	4.1	2.6	2.7	1.6	1.2	2.8	1.6	1.2
55	4.3	3.6	2.4	2.6	1.4	1.2	2	1.5	1.1
50	3.4	3	2.4	2.2			1.4	1.3	

FIXED JIB LOAD CHART – FULL-EXT. BOOM 50.5M, OUTRIGGER 6.7×8.1M, 360°, CW 28T

No.	Name	Specification
1	Double eyed hook	800 kg
2	Counterweight	3 t
3	Extension boom	9 m

COUNTERWEIGHT COMBINATIONS

Total Weight (t)	Combinations
2	2
5	1+2/3/4
7	2+3/6
10	1+6/1+2+3/3+4
14	1+3+5/1+4+5
17	3+4+6
19	2+3+4+6/1+3+4+5
20	1+3+4+6/2+3+3+6
22	1+2+3+4+6
23	3+4+5+6
25	2+3+4+5+6
28	1+2+3+4+5+6

TECHNICAL SPECIFICATION

OPERATING RANGE

