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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

TUBOSHU⁷

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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 TTC55

TECHNICAL SPECIFICATION

CHARACTERISTICS

Manufacturer		TUBOSHU
Model		TTC55
Configuration Number		TUTZTGZ550UK

TECHINCAL DATA

CAPACITY	Max. lifting capacity	t	55
WEIGHT	Gross weight	t	43
POWER	Engine model	–	YUCHAI K09L360–50
	Max. engine power	kW/rpm	261/100
	Max. engine torque	N·m/rpm	1585/(1000–1500)
DIMENSIONS	Overall length	mm	14487
	Overall width	mm	2800
	Overall height	mm	3784
TRAVEL	Max. travel speed	km/h	90
	Min. steering radius	m	11804
	Min. steering radius of boom tip	m	14589
	Wheel formula	–	8x4
	Min. ground clearance	mm	330
	Approach angle	°	18
	Departure angle	°	12 (14 Without outrigger pad)
	Max. gradeability	–	45%
	Fuel consumption per 100 km	L	≤40
MAIN PERF.	Working temperature range	°C	–20°C –45°C
	Min. rated lifting radius	m	3
	Tail swing radius	mm	4295
	Boom sections	–	5
	Boom shape	–	U shape
	Max. lifting moment – Basic boom	kN·m	2125
	Max. lifting moment – Full-extension boom	kN·m	1366
	Max. lifting moment – Full-extension boom + jib	kN·m	2245
	Boom length – Basic boom	m	11.8
	Boom length – Full-extension boom	m	46
	Boom length – Full-extension boom + jib	m	62
	Max. lifting height – Basic boom	m	12
	Max. lifting height – Full-extension boom	m	45.5
	Max. lifting height – Full-extension boom + jib	m	62
	Outrigger span (Vertical × Horizontal)	m	8.1x6.5
	Jib offset	°	0,15,30
AIR COND.	In operator's cab	–	Cooling
	In driver's cab	–	Cooling

AXLE LOAD

Axle 1	Axle 2	Axle 3	Axle 4	Gross Weight
8.5	8.5	13	13	43

HOOK & REEVING

Rated Load (t)	Number of Sheaves	Rope Reeving	Hook Weight (kg)
55	6	12	505
5	1	1	105

TECHNICAL SPECIFICATION

OPERATION DATA

Item	Max. single rope lifting speed (empty load)	Rope diameter / length	Max. single rope tension
Main winch	145 m/min	18 mm / 210 m	55 kN
Aux. winch	145 m/min	18 mm / 137 m	55 kN
Swing	2 r/min		
Derricking up/down	43 s / 70 s		
Extension/retraction	90 s / 110 s		
Outrigger jack – Retraction	20 s		
Outrigger jack – Extension	30 s		
Outrigger beam – Retraction	20 s		
Outrigger beam – Extension	25 s		

MAIN BOOM LOAD CHART – COUNTERWEIGHT: 12T

Radius (m)	11.8	18.2	24.6	30.9	37.3	16.1	22.5	28.9	35.3	41.6	20.5	26.9	33.2	39.6	46	Radius (m)
3	55															3
3.5	53.6	28				46										3.5
4	49	28	27			45	28				38					4
4.5	45.1	28	27			43.8	28				37	28				4.5
5	41.5	28	26.4	19.2		40.5	28	27			36	28				5
6	35.4	28	25.6	18.1		35.2	28	26.6			34	28	22			6
7	29.1	28	24.4	16.5	13.5	30.1	27	25.3	17.5		28.9	26.8	22	16.8		7
8	24.8	26.5	22.5	15.2	12.8	26.2	26.5	24.5	16.5	13	25.6	24.4	20.4	16.5		8
9	18.5	23.4	20.6	14	12	23.3	23.8	22.9	15.3	12.5	22.8	22	18.6	15.3	11	9
10		21.6	19	13	11.3	21.1	21.5	21.5	14.2	11.6	22.5	20	17	14.3	11	10
12		18.5	16.5	11.1	9.9	16.1	17.7	18.7	12.4	10.3	15.7	17.2	14.4	12.2	10.5	12
14		14.1	15	9.7	8.6	11.8	13.4	14.3	10.8	8.9	11.6	13	12.4	10.6	9.3	14
16		6	12	8.5	7.5		10.5	11.3	9.5	7.9	8.7	10	10.9	9.2	8.2	16
18			9.8	7.6	6.7		8.3	9.1	8.5	7	2.9	7.9	8.7	8.1	7.3	18
20			8.1	6.8	6		4.4	7.5	8	6.3		6.3	7.1	7.6	6.5	20
22			5.2	6.2	5.4			6.2	6.7	5.7		5	5.8	6.3	5.8	22
24				5.3	4.9			5.1	5.7	5.2		3	4.8	5.3	5.7	24
26				5.3	4.4			3.7	4.8	5.2			3.9	4.4	4.8	26
28				4.5	4.1				4.1	4.4			3.2	3.7	4.1	28
30					3.6				3.4	3.8			2.5	3.1	3.5	30
32					3.7				2.9	3.2				2.5	2.9	32
34					3.2					2.8				2.1	2.4	34
36										2.3				1.6	2	36
38										2					1.6	38
40															1.3	40
Telescopic mode	0	111	222	333	444	2000	2111	2222	2333	2444	4000	4111	4222	4333	4444	Telescopic mode
Reeving	12	6	5	4	3	10	6	5	4	3	8	6	5	4	3	Reeving

TECHNICAL SPECIFICATION

MAIN BOOM LOAD CHART — COUNTERWEIGHT: 10.5T

Radius (m)	11.8	18.2	24.6	30.9	37.3	41.6	20.5	26.9	33.2	39.6	46	Radius (m)
3	55											3
3.5	53.6	28				46						3.5
4	49	28	27			45	28			38		4
4.5	45.1	28	27			43.8	28			37	28	4.5
5	41.5	28	26.4	19.2		40.5	28	27		36	28	5
6	35.4	28	25.6	18.1		35.2	28	26.6		34	28	6
7	29.1	28	24.4	16.5	13.5	30.1	27	25.3	17.5		28.9	7
8	24.8	26.5	22.5	15.2	12.8	26.2	26.5	24.5	16.5	13	25.6	8
9	18.5	23.4	20.6	14	12	23.3	23.8	22.9	15.3	12.5	22.8	9
10		21.6	19	13	11.3	21.1	21.5	21.5	14.2	11.6	21.2	10
12		17.5	16.5	11.1	9.9	15.1	16.7	17.7	12.4	10.3	14.8	12
14		13.3	14.2	9.7	8.6	11	12.6	13.5	10.8	9	10.8	14
16		6	11.3	8.5	7.5		9.8	10.6	9.5	7.9	8.1	16
18			9.2	7.6	6.7		7.7	8.6	9.1	7	6	18
20			7.6	6.8	6		6.2	7	7.5	6.3		20
22			6.3	6.1	5.4			5.7	6.3	5.7		22
24				5.2	4.9			4.7	5.2	5.6		24
26				4.9	4.4			3.9	4.4	4.8		26
28				4.2	4				3.7	4.1		28
30								3.1	3.5			30
32												32
34												34
Telescopic mode	0	111	222	333	444	2000	2111	2222	2333	2444	4000	Telescopic mode
Reeving	12	6	5	4	3	10	6	5	4	3	8	Reeving

JIB LOAD CHART

Boom Length)	46+9.2m			46+16m			Boom Length)
Angle (°)	0°	15°	30°	0°	15°	30°	Angle (°)
80	5	3.3	2.5	3	2	1.4	80
78	5	3.3	2.5	3	2	1.4	78
77	4.9	3.2	2.5	2	1.9	1.35	77
75	4.8	3.1	2.5	2.8	1.8	1.3	75
74	4.7	3.05	2.4	2.7	1.7	1.25	74
73	4.5	3	2.4	2.6	1.65	1.2	73
70	4	2.8	2.3	2.5	1.5	1.2	70
67	3.6	2	2.1	2.3	1.4	1.15	67
64	2.7	2.4	1.9	2.1	1.3	1.1	64
61	2.1	2	1.3	1.7	1.2	1	61
58	1.6	1.5	1.4	1.3	1.1	0.95	58
55	1.2	1.1	1	1	0.9	0.85	55
51	0.8						51

TECHNICAL SPECIFICATION

MAIN BOOM LOAD CHART — COUNTERWEIGHT: 5.1T

Radius (m)	11.8	18.2	24.6	30.9	37.3	41.6	20.5	26.9	33.2	39.6	46	Radius (m)
4	49	28	27			45	28					4
4.5	45.1	28	27			43.8	28					4.5
5	41.5	28	26.4	19.2		40.5	28	27				5
6	35.4	28	25.6	18.4		35.2	28	26.6				6
7	29.1	28	24.4	17	13.5	35.9	27	25.3	17.5			7
8	24.8	28	23.2	15.7	12.8	26.9	28	24.5	16.5	13		8
9	18.5	24	21.6	14.4	12	21	22.9	24.1	15.4	12.5		9
10		19.6	20.7	13.4	11.3	17	18.7	19.8	14.4	11.6		10
12		14	14.9	11.6	9.8	11.6	13.2	14.1	12.6	10.4		12
14		10.5	11.3	10.3	8.7	8.2	9.7	10.6	11.2	9.2		14
16			8.9	8.9	7.8		7.4	8.2	8.8	8.3		16
18			7.1	7.6	6.9		5.7	6.5	7	7.4		18
20			5.8	6.2	6.5		4.4	5.2	5.7	6.1		20
22			4.7	5.2	5.5			4.1	4.6	5		22
24				4.3	4.6			3.3	3.8	4.1		24
26				3.6	3.9			2.5	3.1	3.4		26
28									2.4	2.8		28
30									1.9	2.3		30
32												32
Telescopic mode	0	111	222	333	444	2000	2111	2222	2333	2444	4000	Telescopic mode
Reeving	12	6	5	4	3	10	6	5	4	3	8	Reeving

