

Highlights Introduction



The longest boom has the best performance.

- Five-section large-section U-shaped main boom with a maximum extension of 44.6m, featuring a dual-cylinder rope telescopic system, offering superior boom length compared to other cranes in the industry; • Single-plate boom head and compact boom tail, constructed with high-strength steel, allowing for multiple boom overlaps and strong load-bearing capacity; • Maximum counterweight of 9t, ensuring more stable lifting and enhanced overall anti-tipping capability; • High-strength steel telescopic outriggers with a large lateral span, providing better operational stability.



Classic drivetrain heavy truck chassis: comfortable and economical

- Maximum gradeability of 50%, offering superior off-road performance in its tonnage class and adaptability to various complex road conditions;
- Leveraging the R&D and production advantages of millions of Auman heavy trucks, the truck features a spacious cab and interior, and a large sleeper berth (600mm wide, the widest in the industry), ensuring a comfortable ride; • Utilizes a 7L (25T5-1)/7L (25X5G) engine paired with a Fast synchronized gearbox, achieving an excellent balance of power and economy; • Convenient maintenance, economical upkeep, and high reliability. The fuel tank has a large capacity, the largest in its tonnage class, providing the longest driving range.



High efficiency, energy saving, and convenient relocation

- Heavy-duty truck-grade optimized transmission matching technology, with a maximum speed of 90km/h, strong fuel economy, and fuel savings of up to 15%; • Uses maintenance-free batteries, reducing user maintenance costs and improving the reliability of the vehicle's power supply; • Three-axle chassis with strong load-bearing capacity, allowing for short-distance relocation with full weight distribution, making it convenient and efficient; • Rear axle rubber suspension + V-shaped thrust rod ensures lateral stability, resulting in less vibration and a more comfortable ride.



Smooth lifting and intelligent control

- Load-sensitive hydraulic system ensures smooth operation and excellent micro-motion performance, with a minimum stable lifting speed of 2.5m/min and a minimum stable slewing speed of 0.1°/s; • High-precision, high-stability, and highly intelligent force limiter system provides all-round protection for lifting operations, making operation more intelligent and comfortable; • Intelligent vehicle connectivity APP provides precise services for worry-free operation.

起重性能行业赢领 舒适经济完美结合 | 福田雷萨FTC25T5-1、25X5G汽车起重机 |



► Main technical parameters

category	project		unit	25T5-1
Performance	Rated lifting capacity	main hook	kg	25000
		secondary hook		3000
	Maximum lifting moment	Basic Arm	kN.m	1102
		Longest main arm		768
	Maximum lifting height	Basic Arm	m	11.5
		Longest main arm		43
		Main arm + secondary arm		51.3
	Single rope unloaded	Main rise	m/min	130
	Lifting speed	auxiliary lifting	m/min	120
	boom lifting time	Full arm lift	s	γ 40
Crane boom extension time		s	γ 90	
	Rotation speed	rpm	0 γ 2.3	
driving	Maximum driving speed	km/h	80	
	Minimum turning diameter	m	22	
quality	Weight (Gross Mass) while in motion	kg	33970	
	curb weight	kg	34100	
size	External dimensions (length x width x height)	m	13.16x2.55x3.52	
	outrigger longitudinal span	m	5.35	
	outrigger lateral span	m	6.3	
	Main arm length	m	11 γ 43	
	wheelbase	mm	4525+1350	
	Turntable tail rotation radius	mm	3356	
engine	Engine Model	/	WP7.300E61 YCK08310-60	
	Rated power/speed	kW/rpm	220/2100/224/2200	
	Fuel tank capacity	L	350	
	gearbox	/	Fast 8-speed gearbox	
	counterweight	t	7	

category	project		unit	25X5G
Performance	Rated lifting capacity	main hook	kg	25000
		secondary hook		3000
	Maximum lifting moment	Basic Arm	kN.m	1213
		Longest main arm		768
	Maximum lifting height	Basic Arm	m	11.5
		Longest main arm		43
		Main arm + secondary arm		51.3
	Single rope unloaded	Main rise	m/min	130
	Lifting speed	auxiliary lifting	m/min	120
	boom lifting time	Full arm lift	s	γ 40
Crane boom extension time		s	γ 90	
	Rotation speed	rpm	0 γ 2	
driving	Maximum driving speed	km/h	90	
	Minimum turning diameter	m	22	
quality	Weight (Gross Mass) while in motion	kg	34150	
	curb weight	kg	34020	
size	External dimensions (length x width x height)	m	13.18x2.575x3.64	
	outrigger longitudinal span	m	5.45	
	outrigger lateral span	m	6.4	
	Main arm length	m	11 γ 43	
	wheelbase	mm	4700+1350	
	Turntable tail rotation radius	mm	3345	
engine	Engine Model	/	WP7.300E61	
	Rated power/speed	kW/rpm	220/2100	
	Fuel tank capacity	L	335	
	gearbox	/	Fast 9-speed gearbox	
	counterweight	t	6+1.5	

► Lifting performance table

25T5-1 Main Boom Lifting Performance Table																						
Amplitude (m)	Main arm length (m)																					
	11.0	17.0	23.0	29.1	35.1	15.0	21.0	27.1	33.1	39.1	19.0	25.0	31.1	37.1	43.2							
3	25000	19600				25000																
3.5	25000	19600				25000																
4	24800	19600	18800			24100	19000				21000											
4.5	24000	19600	18800			23400	19000				20500	18600										
5	23500	19600	18800			22500	19000	17000			20000	18600										
5.5	22500	19000	18000	11600		20400	18600	17000			19500	18600										
6	20000	18000	17000	11600		18700	17800	17000			18500	17400	13700									
6.5	18000	17000	16000	11600		17000	16500	16000	11600		16900	16200	13700									
7	16000	15800	15000	11600	8500	15400	15400	15000	11600		15500	14800	13500	9600								
8	13500	13800	13800	10500	8500	13300	13900	13500	11200	7500	13400	13500	12500	9600								
9		12000	12800	9800	8500	11000	12200	12000	10100	7500	11200	12200	11300	9100	6500							
10		10500	11000	9100	7800	9500	10100	10600	9300	7300	9100	10200	10300	8600	6500							
11		8800	9300	8400	7200	8000	8400	8900	8500	7000	7500	8700	8900	8100	6500							
12		7500	7900	7800	6600					7100	7600	7900	6700	6300	7300	7600	7500	6300				
13		6400	6900	7200	6200					6100	6600	6900	6200	5200	6200	6600	6800	6000				
14			6100	6300	5800					5300	5700	6000	5900	4300	5400	5800	6100	5600				
15			5300	5600	5300					4600	5000	5300	5400		4600	5100	5300	5200				
16			4700	5000	4800					4000	4400	4700	4900		4000	4400	4600	4800				
18			3650	4100	4100					3500	3700	3850			3100	3400	3800	4000				
20										3250	3350				2650	2950	3150		2300	2700	3000	3200
22										2650	2850				2050	2350	2550			2100	2350	2550
24										2350					1950	2150				1550	1850	2050
26										1950					1400	1750					1450	1650
28										1550					1350						1150	1350
30															1000							1050
32															800							850
Cylinder 1, 0	0	0	0	0	0	50	50	50	50	50	100	100	100	100	100							
Cylinder 2, 0	25	50	75	100		0	25	50	75	100	0	25	50		75	100						
Magnification 8	7	6	4	3		8	7	5	4	3	7	6	4		3	3						

R/L	25X5 G Main Boom Lifting Performance Table												
	11.0	15.0	19.0	25.0	31.0	37.0	43.0						
3	25.0	25.0											
3.5	25.0	25.0											
4	24.8	24.1	21.0										
4.5	24.0	23.4	20.5	18.6									
5	23.5	22.5	20.0	18.6									
5.5	22.5	20.4	19.5	18.6									
6	20.0	18.7	18.5	17.4	13.7								
6.5	18.0	17.0	16.9	16.2	13.7								
7	16.0	15.4	15.5	14.8	13.5	9.6							
8	13.5	13.3	13.4	13.5	12.5	9.6							
9		11.0	11.2	12.2	11.3	9.1	6.5						
10		9.5	9.1	10.2	10.3	8.6	6.5						
11		8.0	7.5	8.7	8.9	8.1	6.5						
12			6.3	7.3	7.6	7.5	6.3						
13				5.2	6.2	6.6	6.8	6.0					
14				4.3	5.4	5.8	6.1	5.6					
15					4.6	5.1	5.3	5.2					
16						4.0	4.4	4.6	4.8				
18							3.1	3.4	3.8	4.0			
20								2.3	2.7	3.0	3.2		
22									2.1	2.35	2.55		
24										1.55	1.85	2.05	
26											1.45	1.65	
28												1.15	1.35
30													1.05
32													0.85
magnification	8	8	7	6	4	3	3						
l cylinder	0%	50%	100%	100%	100%	100%	100%						
lly	0%	0%	0%	25%	50%	75%	100%						