

liftsmart

LS-RT25-35-4

Four-Wheel Drive
Rough Terrain Forklift

2,500 - 3,500 kg



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The RT25-35-4 series of four-wheel drive rough terrain forklifts from Liftsmart is a series of high performance forklifts capable of operating in even the harshest outdoor conditions.

The forklifts have been developed and engineered through extensive industry research to ensure they are able to function optimally in all conditions.



Introduction

Liftsmart's 2.5-3.5T 4WD series of forklifts are a tough, compact rough terrain forklift with a high quality four wheel drive system.

Based on a two-wheel drive model, they're renowned for their superior performance, economy and longevity.

6 Reasons to choose Four-Wheel Drive Rough Terrain Forklift

-  Reliability
-  Productivity
-  Environmental Friendliness
-  Comfortable Operation
-  Easy Maintenance
-  High Performance



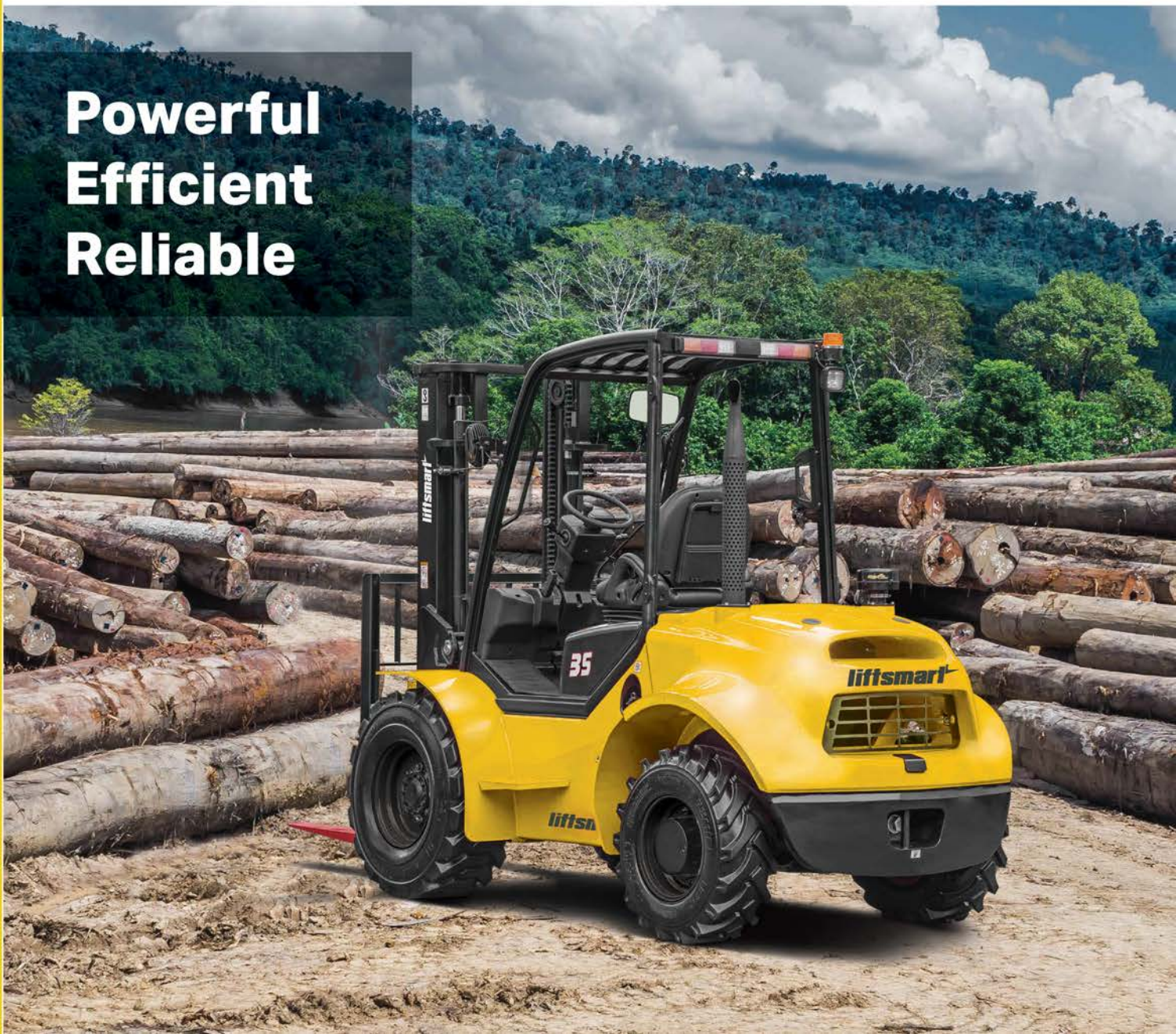
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Interactive dash display: Each forklift is fitted with a 4 inch colour LCD display with four buttons and one CAN bus communication function. The communication protocols are compatible with SAE J1939 standards.

**Powerful
Efficient
Reliable**



Reliability

The full-floating hydraulic transmission gearbox with full switch functionality between 2WD and 4WD modes, providing higher running speeds and stronger reliability.



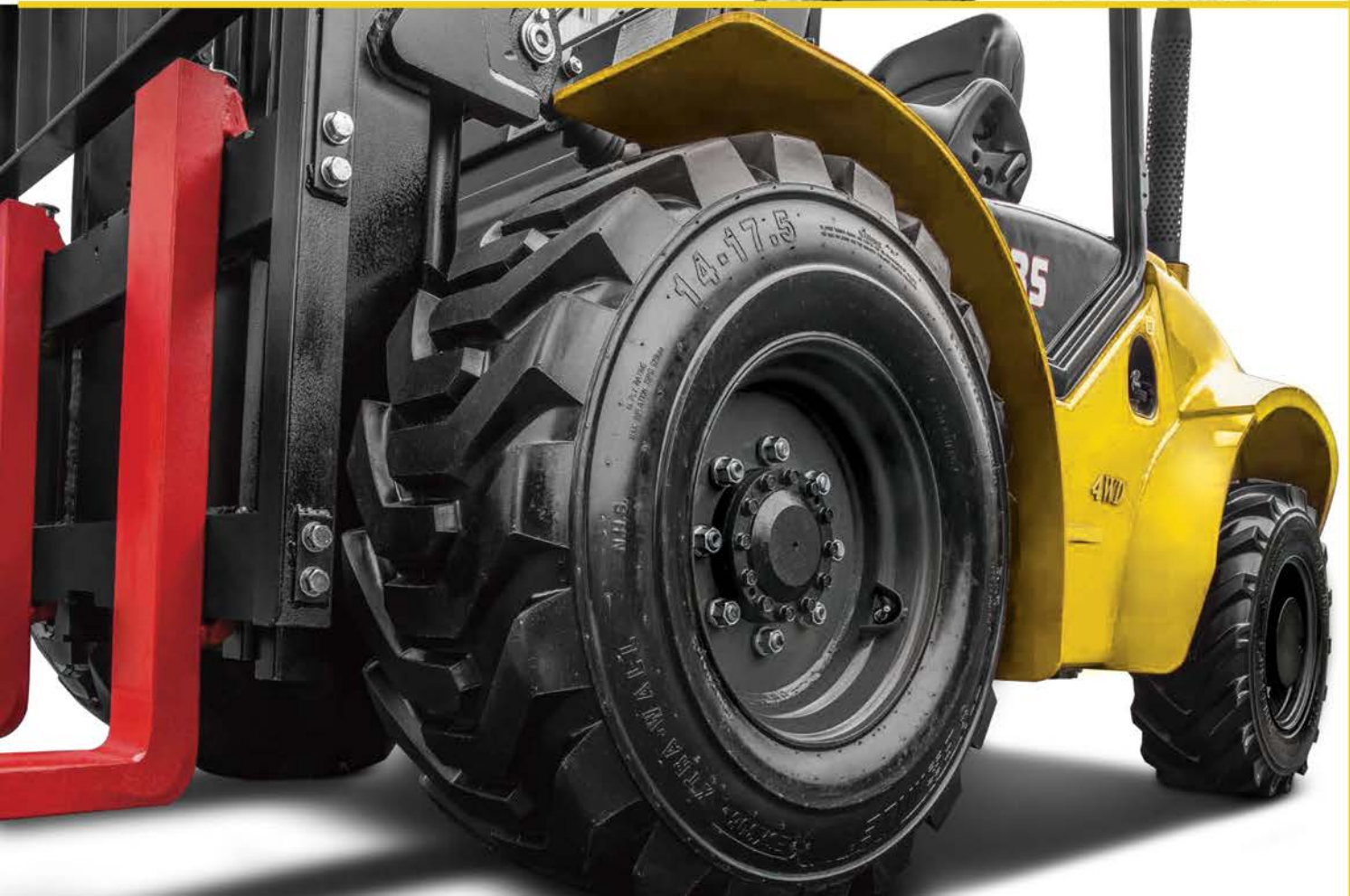
Higher specification fork mounting level-3B, more weight can be loaded.

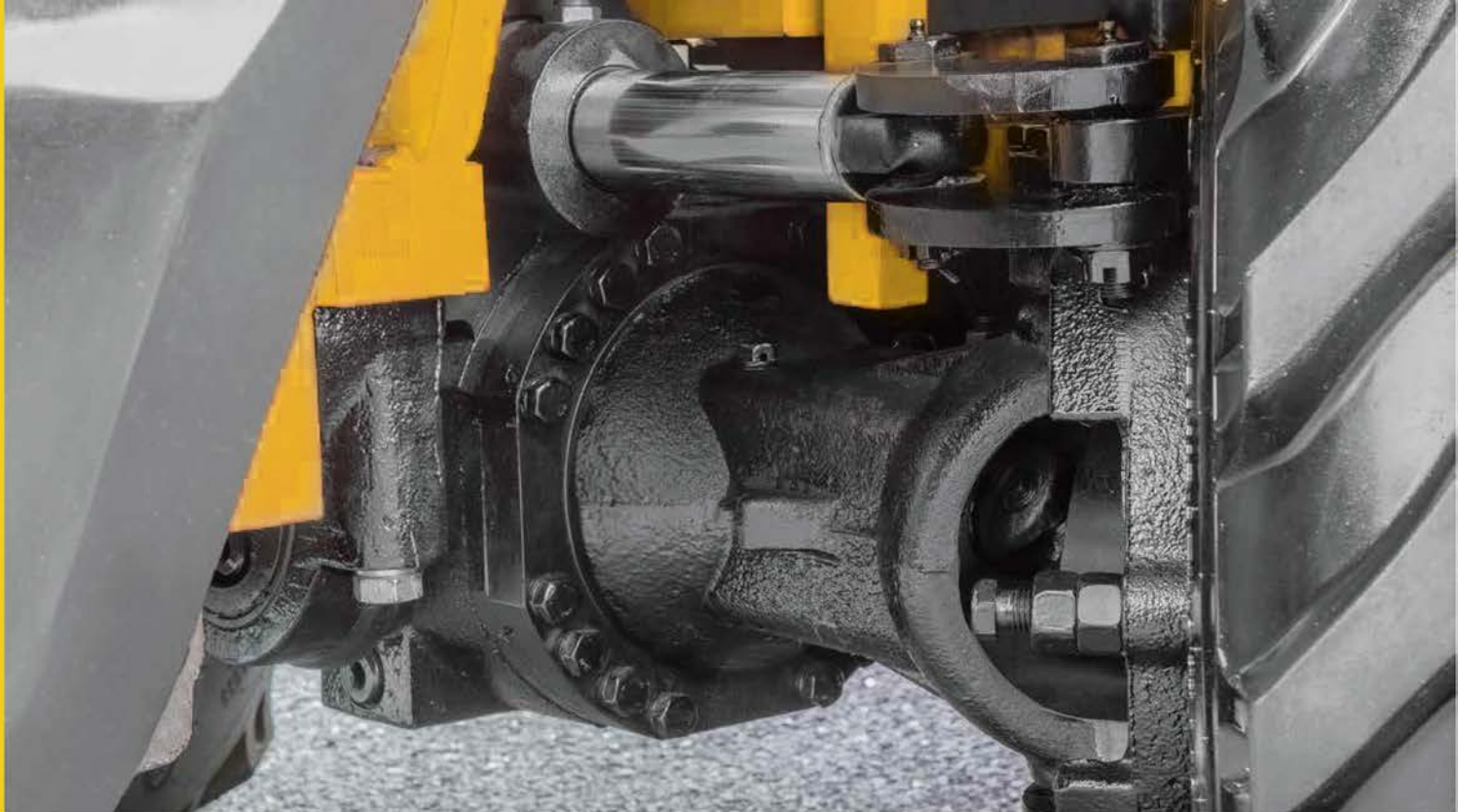
Wide-base deep tread tyres

The drive axle is equipped with wide-base deep tread tires, wet brakes, electronic differential lock mechanism and reinforced steering drive axles, allowing easy adaption to all working environments.

Front tyre:
14-17.5

Rear tyre:
10.0/75-15.3





Individual oscillating steer axles allow each wheel to drive over obstacles, whilst keeping the truck and load level.

Air filters with a larger capacity combined radiator with serpentine wave and optimised heat dissipation channels enhance the heat dissipating capabilities to keep the unit engine reliable even in the toughest conditions.



A specifically design rough terrain differential features manual differential lock providing greater traction during inclement weather conditions and rough operating surfaces. The differential lock prevents power loss from wheel spin.



Productivity



New dynamic load sensing hydraulic steering system reduces loss of hydraulic power and improves energy efficiency.



New LED lights provide superior illumination and prolonged work time, with reduced energy consumption.



Comfortable Operation

Operator comfort, ergonomics and ease of operation were at the forefront developing these forklifts. Units include the following features:

- ✓ Improved anti-vibration features
- ✓ Compound engine dampening
- ✓ Full floating seat and cabin

These features improve operator comfort, contributing to increased productivity whilst reducing potential health risks.

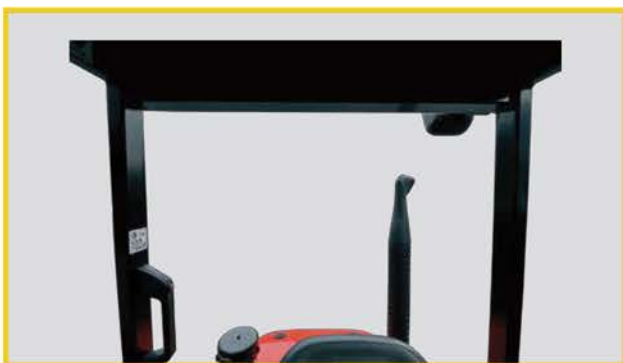




In addition to rubber dampening between the forklift frames and steering axles, compound engine dampening and a full floating power train provide a flexible connection, significantly reducing vibrations from the driving system.



Extra space in the foot well significantly reduces operator fatigue, non-slip floor covering allows for easy and safe entry and exit from the cabin. The newly designed steering wheel, brake system and easy to operate levers provide improved handling.



Optimised cabin framework offers operators greater visibility.



Increased forward visibility results from the broader mast design with a larger gap between the inside mast.

Easy Maintenance



A newly developed LC instrument panel displays the full truck status, relevant fault codes and other important information, providing owners and operators with a clear and convenient understanding of the trucks health ensuring easy maintenance can be carried out when necessary.



Adoption of a new generation integrated electric box allows for easy maintenance and repairs. The unit also provided improved water-proof protection.



An easy to open hook provides convenient access to the engine compartment.



Wet brakes offer maximum brake life cycle.

- ✓ Cover panel can be simply lifted up to check brake fluid.
- ✓ The two piece design make the floorboards easy to lift and remove to access the power train.
- ✓ The radiator cover fasteners can be easily turned by hand to enable quick inspections or servicing.



Four-Wheel Drive Rough Terrain Forklift



High Performance



Manoeuvrability

With a ground clearance of up to 280mm for the 3T model the forklift offers greater manoeuvrability and allow the unit to move across the roughest terrain. The unit possess a low centre of gravity thanks to superior weight distribution giving the unit excellent stability.



Three Forward Gears

Suspended hydraulic transmission with three forward gears provide the unit with a top speed of 26km/h.



Standard Specification

- ✓ Suspended transmission
- ✓ Electronic differential lock
- ✓ 2-wheel drive, 4 wheel drive system
- ✓ Wet brakes
- ✓ Overhead guard
- ✓ Suspension seat
- ✓ Large capacity aluminium radiator
- ✓ Warning lamp
- ✓ Cover for tilt cylinder
- ✓ Reversing assist grip
- ✓ Wide fork carriage
- ✓ Wide load backrest
- ✓ LED work lights
- ✓ L/R mirrors
- ✓ Operator presence system with seatbelt sequencing
- ✓ Side-shift

Options

- ✓ Full cabin with air-conditioning and heater
- ✓ Front window
- ✓ Custom paint job
- ✓ Spark arrester
- ✓ Triplex wide view free-lift mast
- ✓ Weighing System

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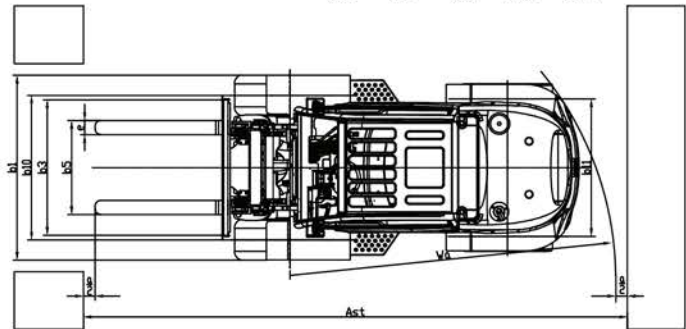
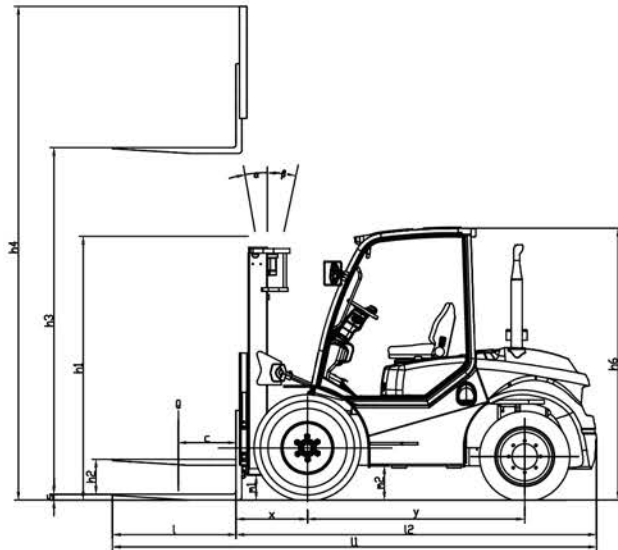
Four-Wheel Drive Rough Terrain Forklift | 2,500 - 3,500 kg

Specification

Distinguishing mark	1.1	Manufacturer	LIFTSMART					
	1.2	Manufacturer's type designation	LS-RT25-4		LS-RT30-4		LS-RT35-4	
Weight	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas	Diesel		Diesel		Diesel	
	1.4	Operator type	Seated		Seated		Seated	
Types, chassis	1.5	Rated capacity/ rated load	Q (kg)		2500		3000	
	1.6	Load centre distance	c (mm)		500		500	
Dimensions	1.8	Load distance, centre of drive axle to fork	x (mm)		585		600	
	1.9	Wheelbase	y (mm)		1880		1880	
Types, chassis	2.1	Service Weight	kg		4850		5340	
	2.2	Axle loading, laden front/rear	kg		6190/1160		7200/1140	
Types, chassis	2.3	Axle loading, unladen front/rear	kg		2130/2720		2340/3000	
	3.1	Tyres	Pneumatic		Pneumatic		Pneumatic	
Types, chassis	3.2	Tyre size, front	12-16.5-14PR		14-17.5-14PR		14-17.5-14PR	
	3.3	Tyre size, rear	10.0/75-15.3-14PR		10.0/75-15.3-14PR		10.0/75-15.3-14PR	
Types, chassis	3.5	Wheels, number front / rear (x = driven wheels)	2x/2x		2x/2x		2x/2x	
	3.6	Tread, front	b10 (mm)		1250		1250	
Types, chassis	3.7	Tread, rear	b11 (mm)		1190		1190	
	4.1	Tilt of mast/fork carriage forward/backward	$\alpha/\beta(^{\circ})$		10/12		10/12	
Dimensions	4.2	Height, mast lowered	h1 (mm)		2215		2350	
	4.3	Free lift	h2 (mm)		140		145	
Dimensions	4.4	Lift	h3 (mm)		3000		3000	
	4.5	Height, mast extended	h4 (mm)		4122		4142	
Dimensions	4.7	Height of overhead guard (cabin)	h6 (mm)		2390		2420	
	4.19	Overall length	l1 (mm)		4305		4320	
Dimensions	4.20	Length to face of forks	l2 (mm)		3085		3100	
	4.21	Overall width	b1 (mm)		1557		1599	
Dimensions	4.22	Fork dimensions ISO 2331	s/e/l (mm)		40x122x1220		50x122x1220	
	4.23	Fork carriage DIN 15 173 --- ISO 2328, class/type A,B	B		B		B	
Dimensions	4.24	Fork carriage width	b5 (mm)		1150		1150	
	4.25	Distance between fork-arms	b6 (mm)		290-1150		290-1150	
Dimensions	4.31	Ground clearance, laden, below mast	m1 (mm)		240		270	
	4.32	Ground clearance, centre of wheelbase	m2 (mm)		260		290	
Dimensions	4.34	Aisle width	a5t (mm)		5305		5320	
	4.35	Turning radius	Wa (mm)		3300		3300	
Performance data	5.1	Travel speed, laden/unladen	km/h		24/26		24/26	
	5.2	Lift speed, laden	m/s		0.62/0.64		0.49/0.51	
Performance data	5.3	Lowering speed, laden	m/s		0.5/0.44		0.5/0.45	
	5.5	Drawbar pull, laden	N		40000		45000	
Performance data	5.7	Gradeability, laden	%		58		55	
	5.10	Service brake	Hydraulic		Hydraulic		Hydraulic	
Performance data		Parking brake	Mechanical		Mechanical		Mechanical	
	7.1	Engine manufacturer/type	YANMAR 4TNE98		YANMAR 4TNE98		YANMAR 4TNE98	
Combustion-engine		Emission standard	StageIIA / EPA Tier3		StageIIA / EPA Tier3		StageIIA / EPA Tier3	
	7.2	Engine power according to DIN ISO 1585	kw/r/min		42.1/2300		42.1/2300	
Combustion-engine	7.3	Rated speed	N.m/r/min		196/1700		196/1700	
	7.4	Number of cylinders/displacement	(-) / (cm ³)		4/3319		4/3319	
Combustion-engine	7.10	Battery voltage/nominal capacity	V/Ah		12/90		12/90	
	10.3	Hydraulic Tank - capacity (drain & refill)	litres		60		60	
Addition data	10.4	Fuel tank capacity	litres		60		60	

2.5-3.5t Mast: (Pneumatic Tyres)

Type	Model	Max.fork height	Overall height						Free lift				Front Overhang		Tilt range		Capacity max height		
			Lowered (mm)		Extended				Without backrest (mm)		With backrest (mm)		Front Overhang (mm)		FWD	BWD	Load Center 500mm		
			mm	mm	2.5t	3/3.5t	2.5t	3/3.5t	2.5t	3/3.5t	2.5t	3/3.5t	2.5t	3/3.5t			2.5t	3t	3.5t
Wide view mast	LS-RT25-35-4M300	3000	2215	2350	3782	3993	4122	4142	140	145	140	145	585	600	10	12	2500	3000	3500
	LS-RT25-35-4M330	3300	2365	2500	4082	4293	4422	4442	140	145	140	145	585	600	10	12	2500	3000	3400
	LS-RT25-35-4M350	3500	2465	2600	4282	4493	4622	4642	140	145	140	145	585	600	10	12	2500	2800	3200
	LS-RT25-35-4M370	3700	2615	2700	4482	4693	4822	4842	140	145	140	145	585	600	10	12	2500	2600	2800
Wide view full free triplex mast	LS-RT25-35-4M400	4000	2815	2950	4782	4993	5122	5142	140	145	140	145	585	600	10	12	2100	2400	2500
	LS-RT25-35-4N400	4000	2115	2300	4860	5025	5122	5269	1255	1275	993	1031	603	618	10	12	2000	2300	2400
	LS-RT25-35-4N430	4300	2215	2400	5160	5325	5422	5569	1355	1375	1093	1131	603	618	10	12	1900	2100	2200
	LS-RT25-35-4N450	4500	2265	2450	5360	5525	5622	5769	1405	1425	1143	1181	603	618	10	12	1700	1900	1900
	LS-RT25-35-4N470	4700	2365	2550	5560	5725	5822	5969	1505	1525	1243	1281	603	618	10	12	1400	1500	1500
	LS-RT25-35-4N500	5000	2515	2700	5860	6025	6122	6269	1655	1675	1393	1431	603	618	6	6	1100	1200	1200
	LS-RT25-35-4N550	5500	2715	2900	6360	6525	6622	6769	1855	1875	1593	1631	603	618	6	6	800	900	900
	LS-RT25-35-4N600	6000	2965	3150	6860	7025	7122	7269	2105	2125	1843	1881	603	618	6	6	600	700	700



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