

liftsmart

LS-RT50 / LS-RT50-4

Two-Wheel and Four-Wheel Drive
Rough Terrain Forklift

5,000 kg



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Liftsmart's 5T rough terrain forklift with 2WD and 4WD are equipped with Cummins engines offering powerful performance and reliability whilst being easy to maintain. It can easily adapt to the rugged roads of quarries, timber markets and construction sites as well as wet and slippery roads during inclement weather.

2WD
ROUGH TERRAIN

4WD
ROUGH TERRAIN



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Safety

- ✓ Independent steering and brake oil circuits reduce interference between brakes and steering, the hydraulic braking system offers superior safety
- ✓ Structure of the brake valve and accumulator offer greater reliability and safety
- ✓ Oil filtration is configured to extend the service life of hydraulic components
- ✓ Operator presence system standard

Comfort

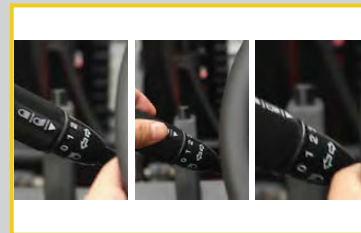
- ✓ Suspension integrated overhead guard, full floating transmission, complex engine shock absorber and suspension seat provide greater operator comfort by reducing vibration and noise
- ✓ Extra foot space is provided to significantly reduce operator fatigue, whilst non-slip steps make entering and exiting the unit safer. The newly designed steering wheel, braking system and easy to operate levers provides superior handling capabilities
- ✓ Excellent upward visibility is provided by a large roof screen

Easy Maintenance

- ✓ Two piece floor board design make them easy to lift and remove for quick access to the power train
- ✓ The radiator cover can be easily hand turned to enable quick inspections and servicing



The easy to open hooks provide quick and easy access to the engine compartment



Hydraulic transmission with 3 forward gears reach a top speed of 25 km/h



Large display instrument panel is made via injection moulding providing a sturdy and durable design



Oscillating steer axles allow all wheels to step over obstacles, whilst keeping the truck and load level



The unit's cabin provides maximum operator comfort and control allowing maximum productivity and efficiency

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Reliability

Reinforced truck chassis is optimised for the tilt cylinder and steering drive axle installation

Dual air filters and two-stage air filtration are standard features that guarantee the engine can operate longer at optimal levels



The differential is specifically designed for rough terrain and features manual differential locks providing ultimate traction during inclement weather or when operating over rough surface, it prevents wheel spin.



Full floating hydraulic drive gear box provides the ability to switch between 2WD and 4WD and can provide higher running speeds and stronger climbing ability



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

Front tyre

Rear tyre



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Productivity

The transmission system gets the maximum performance from the engine without reaching high revolutions which saves fuel, reduces noise levels and increases engine life.



The new dynamic load sensing hydraulic steering system reduces loss of hydraulics and improves energy efficiency.



The new efficient LED lights provide greater and longer lasting illumination with reduced energy consumption.



Wet brakes offer maximum service life for the brake system

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Manoeuvrability

Ground clearance of 370mm offers greater manoeuvrability and keeps the unit moving over the roughest terrains with a low centre of gravity giving the unit excellent stability.



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Standard Specification

- ✓ Suspended transmission
- ✓ Electronic differential lock
- ✓ 2-wheel drive, 4 wheel drive system
- ✓ Overhead guard
- ✓ Suspension seat
- ✓ Large capacity aluminium radiator
- ✓ Dual air filters
- ✓ 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
- ✓ Wet brakes

Options

- ✓ Front windshield and wipers
- ✓ Full cabin with air-conditioning and heater
- ✓ Solid tyres
- ✓ Engine cover with lock
- ✓ Engine cover with dual sound insulation
- ✓ Engine cover with lock+ dual sound insulation
- ✓ Mud baffle provided with rigging hole
- ✓ 3rd/4th/5th valve
- ✓ Voice type reversing buzzer
- ✓ Blue light lamp
- ✓ Low-temperature cold start-up battery (-20°C)



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Specification

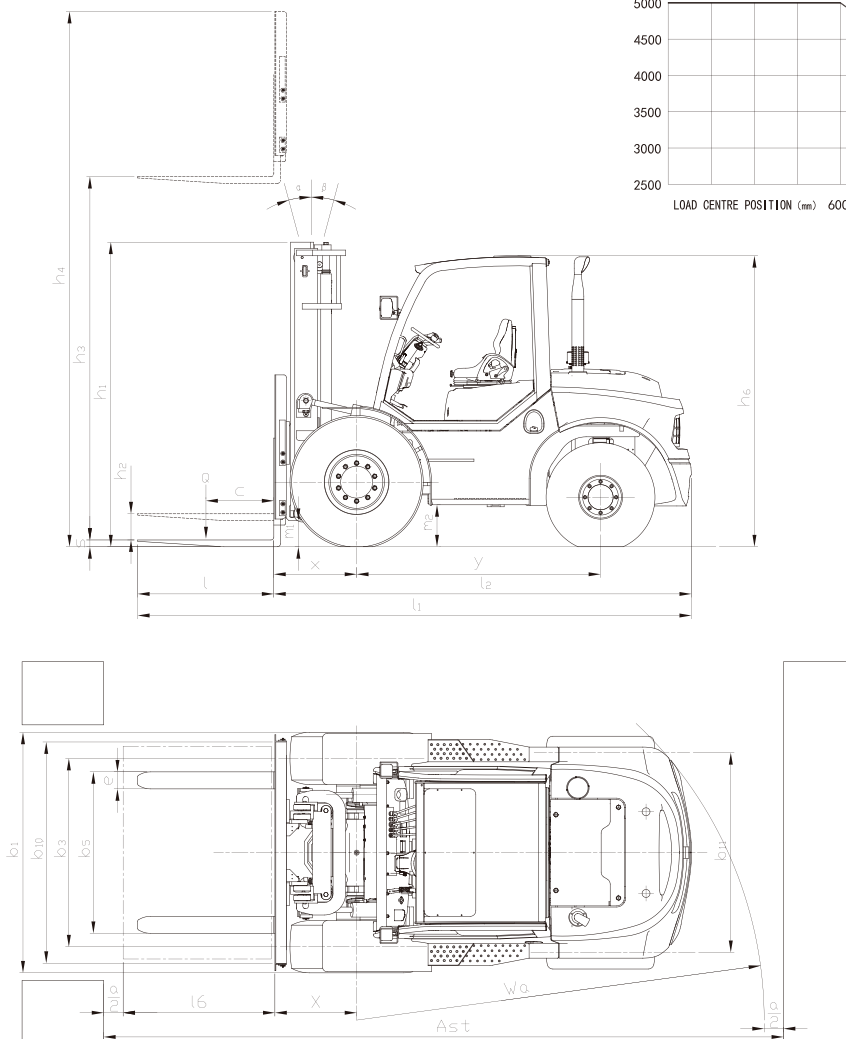
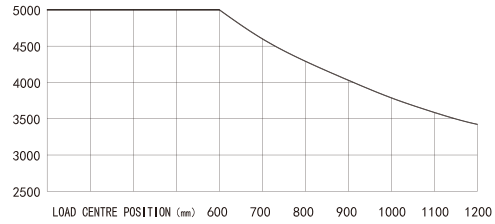
		LIFTSMART		
Distinguishing mark	1.1	Manufacturer		
	1.2	Manufacturer's type designation	LS-RT50-4	LS-RT50
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas	Diesel	Diesel
	1.4	Operator type	Seated	Seated
	1.5	Rated capacity/rated load	Q (kg)	5000
	1.6	Load centre distance	c (mm)	600
	1.8	Load distance, centre of drive axle to fork	x (mm)	735
	1.9	Wheelbase	y (mm)	2150
	Weight	2.1	Service Weight	kg
2.2		Axle loading, laden front/rear	kg	12300/1600
2.3		Axle loading, unladen front/rear	kg	4250/4650
Tyres, chassis	3.1	Tyres	Pneumatic	Pneumatic
	3.2	Tyre size, front	445/65-22.5	445/65-22.5
	3.3	Tyre size, rear	12.5/80-18	12.5/80-18
	3.5	Wheels, number front / rear (x = driven wheels)	4x4	4x2
	3.6	Tread, front	b ₁₀ (mm)	1660
	3.7	Tread, rear	b ₁₁ (mm)	1760
	Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α / β (°)
4.2		Height, mast lowered	h ₁ (mm)	2685
4.3		Free lift	h ₂ (mm)	260
4.4		Lift	h ₃ (mm)	3000
4.5		Height, mast extended	h ₄ (mm)	4534
4.7		Height of overhead guard (cabin)	h ₆ (mm)	2575
4.19		Overall length	l ₁ (mm)	4865
4.20		Length to face of forks	l ₂ (mm)	3665
4.21		Overall width	b (mm)	2105
4.22		Fork dimensions ISO 2331	s/e/l (mm)	60x150x1220
4.23		Fork carriage DIN 15 173 --- ISO 2328, class/type A,B		B
4.24		Fork-carriage width	b _s (mm)	1950
4.25		Distance between fork-arms	b _s (mm)	290-1950
4.31		Ground clearance, laden, below mast	m ₁ (mm)	385
4.32		Ground clearance, centre of wheelbase	m ₂ (mm)	370
4.34	Aisle width	A _{st} (mm)	6305	
4.35	Turning radius	W _a (mm)	4150	
Performance Data	5.1	Travel speed, laden/unladen	km/h	25/25
	5.2	Lift speed, laden	m/s	0.45/0.52
	5.3	Lowering speed, laden	m/s	0.5/0.43
	5.5	Drawbar pull, laden	N	95000
	5.7	Gradeability, laden	%	55
	5.10	Service brake		Hydraulic
		Parking brake		Mechanical
Combustion-engine	7.1	Engine manufacturer/type	Cummins QSF3.8t3TC115	Cummins QSF3.8t3TC115
		Emission STD	EURO IIIA/GB3	EURO IIIA/GB3
	7.2	Engine power according to DIN ISO 1585	kw/r/min	86/2200
	7.3	Rated speed	N-m/r/min	470/1100-1700
	7.4	Number of cylinders/displacement	(-)/cm ³	4/3760
7.10	Battery voltage/nominal capacity	V/Ah	24/90	
Additional data	10.3	Hydraulic Tank - capacity (drain & refill)	litres	115
	10.4	Fuel tank capacity	litres	120

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5t Mast: (Pneumatic Tyres)

Type	Model	Max.fork height	Overall height			Free lift		Front Overhang (mm)	Tilt range	
			Lowered (mm)	Extended		Without backrest (mm)	With backrest (mm)		FWD	BWD
				Without backrest (mm)	With backrest (mm)			Without backrest (mm)		
Wide view mast	LS-RT50/LS-RT50-4M300	3000	2685	4183	4534	160	160	735	15	15
	LS-RT50/LS-RT50-4M330	3300	2835	4483	4834	160	160	735	15	15
	LS-RT50/LS-RT50-4M350	3500	2935	4683	5034	160	160	735	15	15
	LS-RT50/LS-RT50-4M370	3700	3035	4883	5234	160	160	735	15	15
	LS-RT50/LS-RT50-4M400	4000	3185	5183	5534	160	160	735	15	15
	LS-RT50/LS-RT50-4M450	4500	3485	5685	6034	160	160	735	15	15
	LS-RT50/LS-RT50-4M500	5000	3735	6185	6534	160	160	735	15	15
	LS-RT50/LS-RT50-4N400	4000	2760	5470	5534	1300	1051	804	15	15
Wide view full free triplex mast	LS-RT50/LS-RT50-4N430	4300	2850	5740	5834	1420	1141	804	15	15
	LS-RT50/LS-RT50-4N450	4500	2910	5920	6034	1500	1201	804	15	15
	LS-RT50/LS-RT50-4N480	4800	3010	6220	6334	1600	1301	804	15	15
	LS-RT50/LS-RT50-4N500	5000	3060	6399	6534	1671	1351	804	10	15
	LS-RT50/LS-RT50-4N550	5500	3260	6970	7034	1800	1551	804	10	15
	LS-RT50/LS-RT50-4N600	6000	3410	7420	7534	2000	1701	804	10	15

LIFTING WEIGHT (kg)



Branches

VICTORIA

Melbourne - Springvale (Head Office)

- 📍 1574 Centre Rd
Springvale, VIC, 3171
- ☎ [03] 9547 8000

Melbourne - Truganina

- 📍 501 Robinsons Rd
Truganina, VIC, 3029
- ☎ [03] 9394 4000

NEW SOUTH WALES

Sydney (State Office)

- 📍 219 Newton Rd
Wetherill Park, NSW, 2164
- ☎ [02] 8788 1777

Port Kembla

- 📍 20-26 Flinders Street
Port Kembla, NSW, 2505
- ☎ 13 22 54

SOUTH AUSTRALIA

Adelaide (State Office)

- 📍 18-22 Churchill Rd. Nth.
Dry Creek, SA, 5094
- ☎ [08] 8360 3444

TASMANIA

Tasmania

- 📍 87a Devonport Road
Spreyton, TAS, 7310
- ☎ [03] 6427 3966

QUEENSLAND

Brisbane (State Office)

- 📍 11 Lombank Street
Acacia Ridge, QLD, 4110
- ☎ [07] 3373 5111

Rockhampton

- 📍 62 Glenmore Road
Park Avenue, Rockhampton
QLD 4700
- ☎ [07] 4922 8874

Townsville

- 📍 39 Duckworth Street
Garbutt, QLD, 4814
- ☎ [07] 4778 2000

WESTERN AUSTRALIA

Perth (State Office)

- 📍 Unit 1, 1-9 Kurnall Road
Welshpool, WA, 6106
- ☎ [08] 9352 9200

Karratha

- 📍 Lot 3873-Pemberton Road
Karratha, WA, 6714
- ☎ 13 22 54

Service Centres

VICTORIA

- Bendigo
- Warrnambool
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- Gosford
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- Cairns
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- Toowoomba
- Gold Coast
- Sunshine Coast

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- Kalgoorlie
- Karratha