

LANCER LQN 40 – 50

Standard equipment

Design and Lighting

- Lighting system behind metal protectors
 - High- and low beam
 - Tail and brake lights
 - Indicators front and rear
 - Reverse lights
 - Working light on cabin roof
- Platform covers made of water resistant glue lined wooden panels
- Foot-steps and handrail to front and rear platform
- Rear towing hook with integrated step onto the platform
- CE Certificate, Operating manual, Parts manual
- Paint
 - Chassis RAL 7016
 - Cabin RAL 1023
 - Mast RAL 7016



Engine and Drive

- Low emission VM Detroit Diesel engine
- Hydrostatic transmission: Variable displacement pump drives two axial-piston motors
- Brakes
 - Hydrostatic service brake
 - Braked on drive wheels (LQN 40)
 - Braked on steering axle (LQN 50)
 - Electro-hydraulic parking brake

Mast and Carriage

- Mast – standard duplex h3 = 4000 mm
- Fork carriage
 - FEM 3B / FEM 4B (LQN 50)
- Fork spread range
 - LQN 40 300 - 1.420 mm
 - LQN 50 360 - 1.420 mm
- Corresponding hydraulic tilt cylinders on the cab side
- Single cylinder steering axle with tight turning radius
- Hydrostatic safety power steering system with no return-shocks

Cabin and Ergonomics

- 800 mm wide comfort cabin
- Adjustable comfort seat with textile covers and arm rest
- Allround tinted safety glass
- Sliding window at load-side
- Protective grille according to EN-Standard
- Roof with armoured glass
- 2 speed front windscreen wiper and rear windscreen wiper
- Heater and defroster system with vents for front and side window
- Height and angle adjustable steering column with all operating functions
- Pre-controlled hydraulic system with joystick operation

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Options for special applications

- **Comfort and Environment**
 - Cabin, 1.000 mm wide
 - Hydropneumatic suspension improves operator comfort
 - Additional soundproof package
 - Exhaust gas cleaning equipment

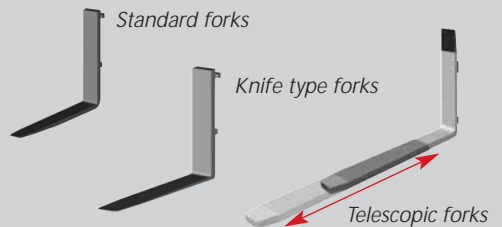
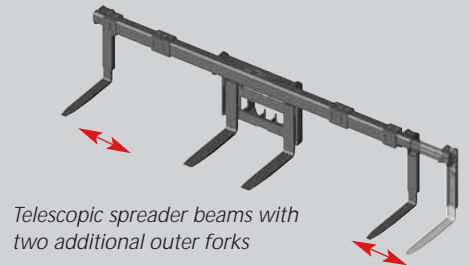
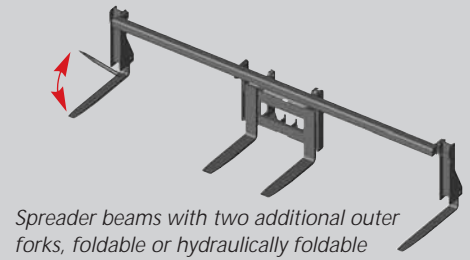
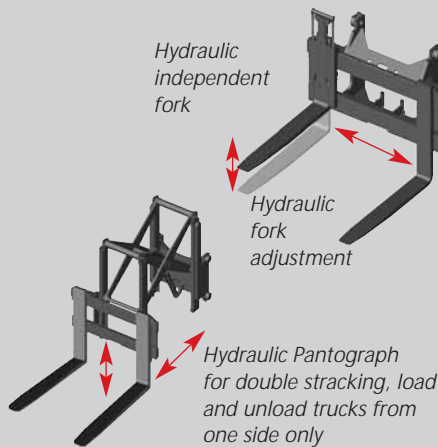
- **Integrated Fork adjustments - without loss of load centre**
 - Hydraulic fork tilt +/- 3°
 - Hydraulic fork adjustment in well
 - Hydraulic side shift +/- 100 mm
 - Hydraulic independent fork
 - Hydraulic swivelling forks +/- 3°

- **Spreader beams - without loss of load centre up to loadheight 950 mm**
 - with two additional outer forks – fix
 - with two additional outer forks – foldable
 - with two additional outer forks – hydraulically foldable

- **Hydraulic Pantograph - loss of load centre 200 mm**
 - with manual fork adjustment
 - with hydraulic fork adjustment

- **Knife type forks**
- **Hydraulic telescopic forks**
- **Hydraulic load fastener**

- **Additional attachments on request**
- **Platform covers made of steel or aluminum**



Electric fourway sideloader

Lancer fourway sideloaders solve all material handling tasks. With four individual modal ranges and a full range of optional equipment the sideloader can fit to any application.



IC fourway sideloader

The Multilift simply does it all - it works as a conventional forklift, a sideloader and a multi-way forklift. In order to customize the Multilift for a special application Lancer offers a wide variety of attachments designed for a more efficient, safe and comfortable work.



Rough terrain truck

Handy, tough and excellent agility at high performance parameters - make the Rough terrain truck an ideal choice for all classical rough terrain applications but also for other industrial environments. Different options and special equipment optimise the Rough terrain truck for any sort of use.

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Sideloaders

4 – 5 Tons

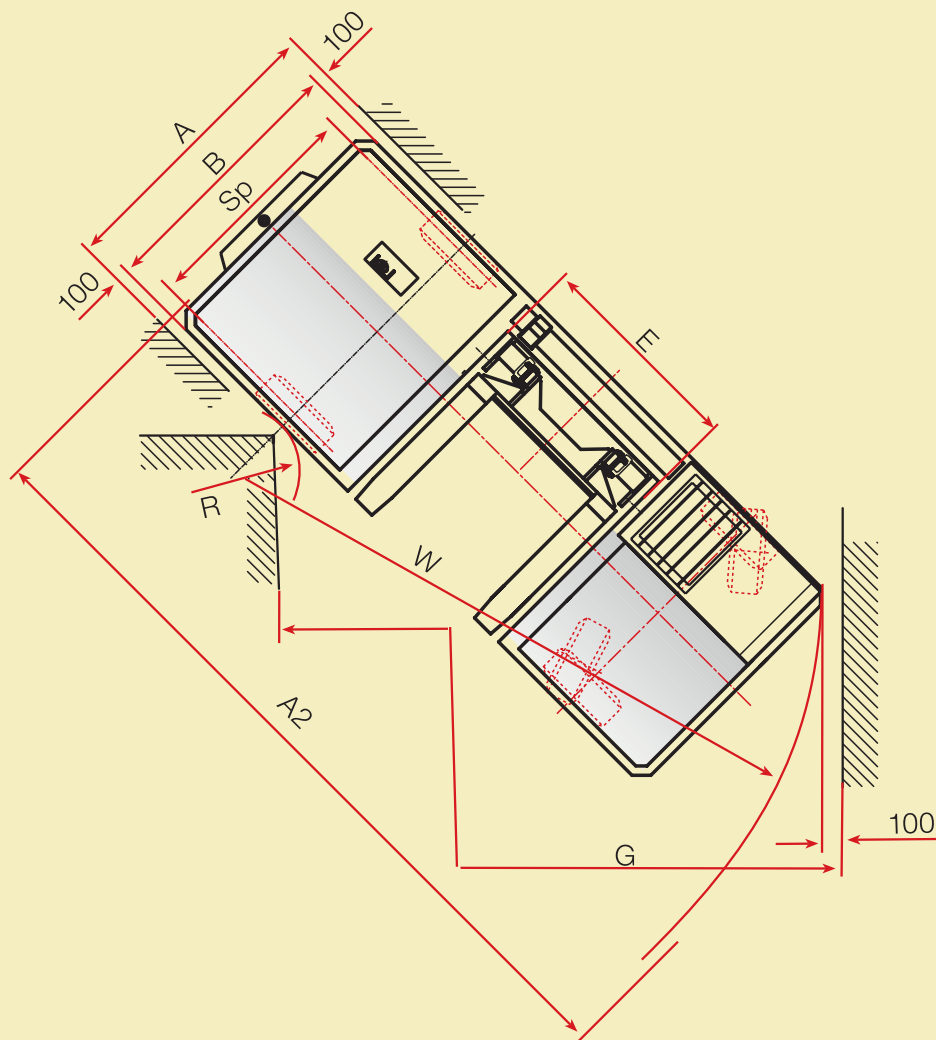
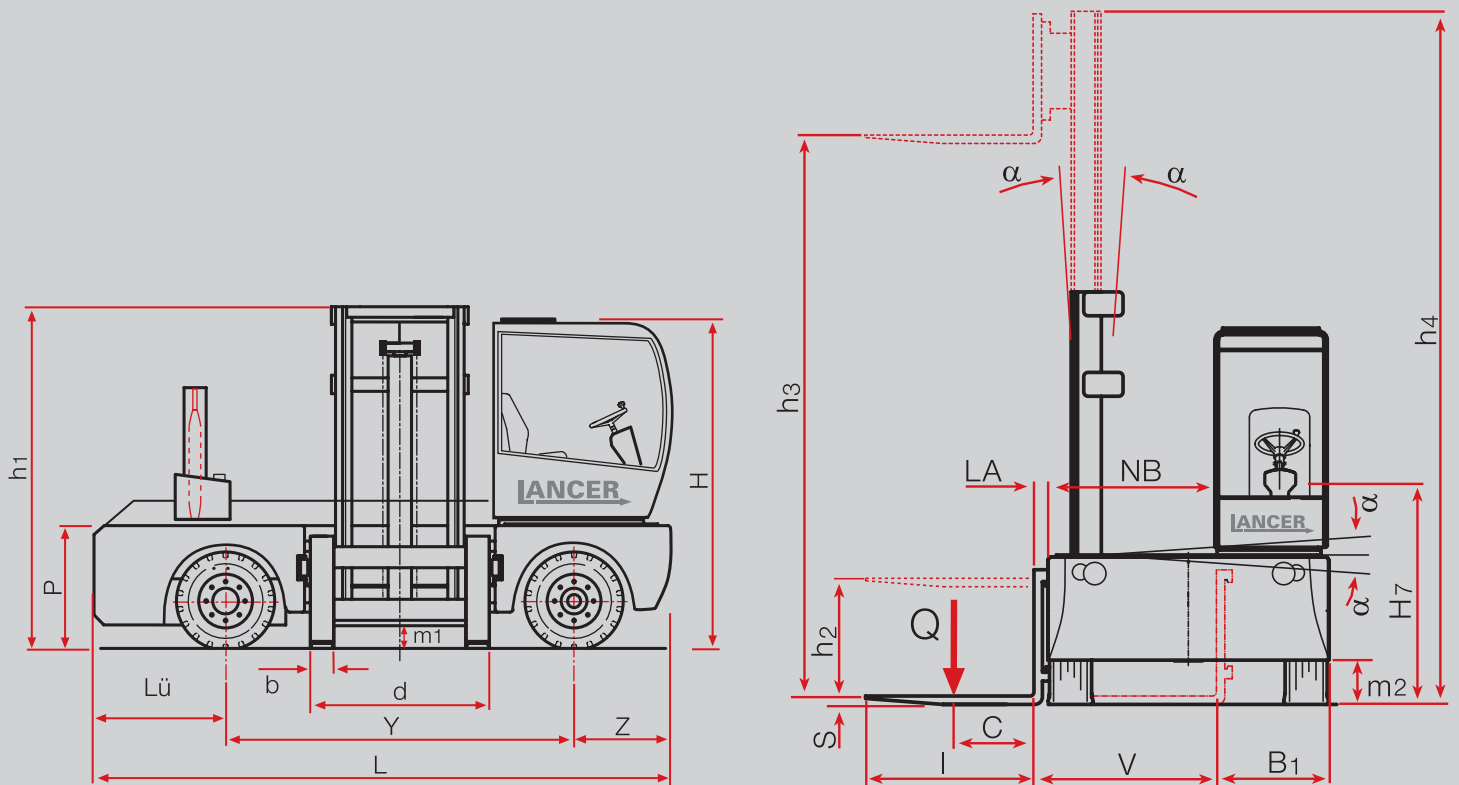
Technical Information

TERRA

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LANCER LQN 40 – 50

Dimensions



Type									
Brand				LANCER/TERRA			LANCER/TERRA		
Type				LQN 40/12	LQN 40/14	LQN 40/16	LQN 50/12	LQN 50/14	LQN 50/16
Lifting capacity	at standard lifting height	Q	kg	4000			5 000		
Load center		c	mm	600	700	800	600	700	800
Plattform width ¹⁾		NB	mm	1200	1400	1600	1200	1400	1600
Drive	Electro, Diesel, LPG			Diesel or LPG			Diesel or LPG		
Type of steering	hand-, walk-, w/stand-, seat-steering			Seat - steering			Seat - steering		
Type of tyres	solid / pneumatic tyres front / rear			pneumatic tyres front and rear			pneumatic tyres front and rear		
Wheels (x=driving)	number front / rear			2 / 2x			2 / 2x		
Dimensions									
Fork length		l	mm	1200	1400	1600	1200	1400	1600
Fork width		b	mm	150		180	180		
Fork thickness		s	mm	50			50		60
Mast traverse		V	mm	1300	1500	1700	1300	1500	1700
Load spacing		LA	mm	100			100		
Plattform tilt		α	°	4 / 4	3,5 / 3,5	3 / 3	4 / 4	3,5 / 3,5	3 / 3
Total length		L	mm	4450			4450		
Total width		B	mm	2000	2200	2400	2030	2230	2430
Width of truck to front face of forks		B 1	mm	800			800		
Well width		E	mm	1500			1500		
Lift height	height (see table)	h 3	mm	4000			4000		
Overall height	mast lowered	h 1	mm	2700			2815		
Overall height	mast extended	h 4	mm	4780			4970		
Free lift		h 2	mm	0			0		
Cabin height	max. over grille	H	mm	2610			2610		
Height of seat		H 7	mm	1550			1550		
Plattform height		P	mm	850			850		
Fork spacing	outer edge - outer edge	d	mm	300 - 1420			360 - 1420		
Turning radius	inner	R	mm	910			580		
Turning radius	outer	W	mm	4420	4540	4680	4230	4350	4480
Aisle width	for straight on travel	A	mm	2200	2400	2600	2230	2430	2630
Aisle width	for 90° - Turning	G	mm	3980	4110	4240	4030	4150	4280
Aisle width	for 90° - Turning within aisle	A 2	mm	5690	5810	5950	5500	5620	5750
Weights									
Weight of truck			kg	7220	7380	7540	7820	7980	8140
Axle load	with lifting capacity front / rear		kg	5260/5960	5340/6040	5420/6120	6060/6760	6140/6840	6220/6920
Performance									
Stability	EN 1726-1, EN 1551		yes / no	yes			yes		
Travel speed	without / with load		km/h	22 / 20			22 / 20		
Lifting speed	without / with load		m/s	0,40 / 0,35			0,35 / 0,30		
Lowering speed	without / with load		m/s	0,30 / 0,50			0,30 / 0,50		
Traverse speed	without / with load		m/s	0,30 / 0,30			0,30 / 0,30		
Gradeability	without / with load		%	22 / 13			22 / 12		20 / 11
Tractive power	max.		daN	1750			1750		
Chassis									
Tyres ²⁾	front / rear			2 / 2			2 / 2		
Tyre size	front / rear			27 x 10 - 12"			27 x 10 - 12"		
Tyres outside diameter			mm	704			704		
Track	front / rear	Sp1/Sp2	mm	1690/1740	1890/1940	2090/2140	1690/1740	1890/1940	2090/2140
Wheel base		Y	mm	2620			2620		
Tail section		Lü	mm	1070			1070		
Ground clearance	below upright	m 1	mm	160			160		
Ground clearance	center wheelbase	m 2	mm	135			135		
Service brake	front / rear			- / hydraulic, hydrostatic			hydraulic / hydrostatic		
Parking brake				electric - hydraulic					
Drive									
Engine	Manufacturer / Type			VM D 754 TE3			GM 3,0 LL 4		
	Fuel			Diesel			LPG		
	Power DIN 70020		kW / hp	51,5 / 70			50 / 67		
	Speed		U / min	2600			3000		
	Cylinder / displacement		- / cm ³	4 / 2970			4 / 2966		
Transmission				hydrostatic					
Gearshift				infinitely variable					
Battery	Voltage / Capacity		V/Ah	12 / 120			12 / 120		

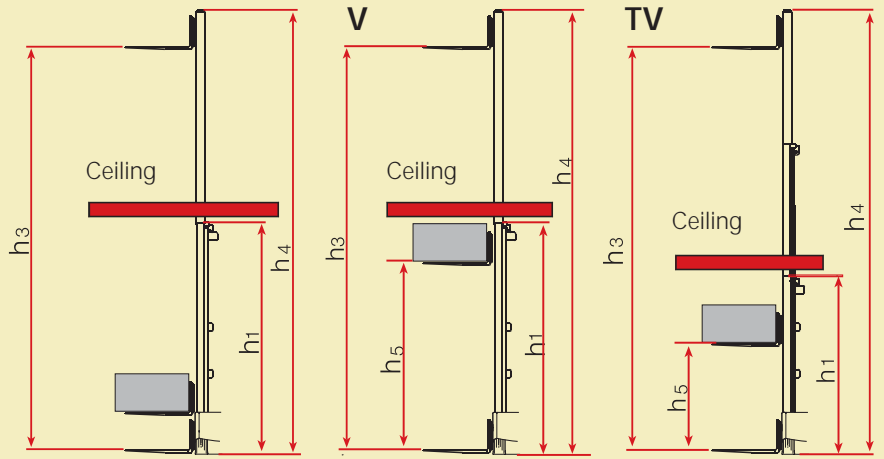
1) Plattform width 1800 mm, 2000 mm possible

2) Pneumatic tyres standard, optional superelastic tyres

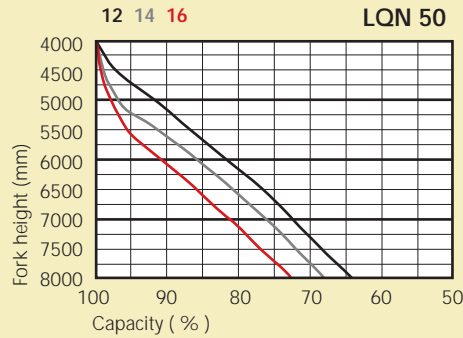
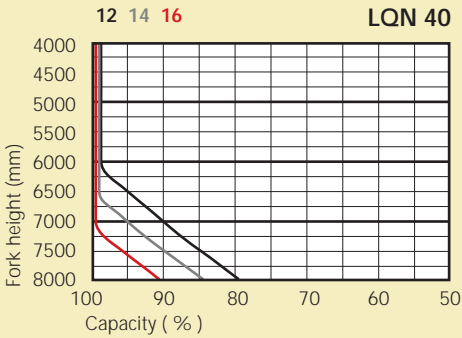
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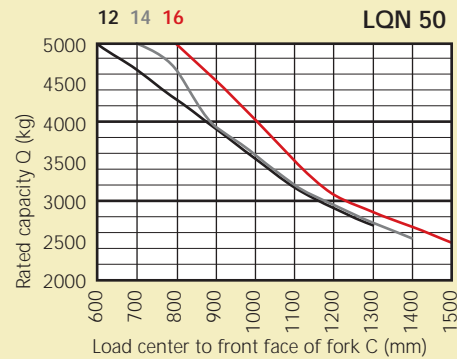
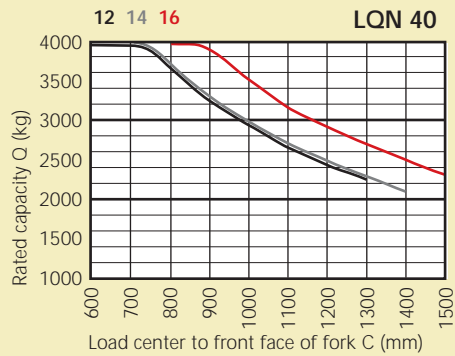
Masts



Lifting capacity at high lifting heights



Load diagram



Mast model LQN 40

	Lifting heights	Overall heights		Freelift
		Lowered	Extended	
		h_1	h_4	h_5
	h_3	h_1	h_4	h_5
	mm	mm	mm	mm
Duplex V without free lift	4000	2700	4780	0
	4500	2950	5280	0
	5000	3200	5780	0
	5500	3450	6280	0
	6000	3700	6780	0
Duplex V Special free lift	4000	2700	4780	1920
	4500	2950	5465	1985
	5000	3200	5965	2235
	5500	3450	6465	2485
	6000	3700	6965	2735
Triplex TV	4500	2240	5280	1460
	5000	2400	5780	1620
	5500	2570	6280	1790
	6000	2740	6780	1960
	6500	2900	7280	2120
	7000	3070	7780	2290
	7500	3240	8280	2460
	8000	3400	8780	2620

Mast model LQN 50

	Lifting heights	Overall heights		Freelift
		Lowered	Extended	
		h_1	h_4	h_5
	h_3	h_1	h_4	h_5
	mm	mm	mm	mm
Duplex V without free lift	4000	2815	4970	0
	4500	3065	5470	0
	5000	3315	5970	0
	5500	3565	6470	0
	6000	3815	6970	0
Duplex V Special free lift	4000	2770	4970	1800
	4500	3020	5500	2020
	5000	3270	6000	2270
	5500	3520	6500	2520
	6000	3770	7000	2770
Triplex TV	4500	2330	5470	1360
	5000	2490	5970	1520
	5500	2660	6470	1890
	6000	2830	6970	1930
	6500	2990	7470	2020
	7000	3160	7970	2190
	7500	3400	8470	2430
	8000	3490	8970	2520

LANCER reserves the right to make modifications for product improvement. Illustrations may show optional equipment not included in standard versions.