

LANCER LQ 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

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



Engine and Drive

- Low emission Perkins Diesel engine
- Hydrostatic transmission: Variable displacement pump drives two axial-piston motors
- Brakes
Hydrostatic service brake
Braked steering axle
Electro-hydraulic parking brake

Mast and Carriage

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

LANCER 

LANCER LQ 40 – 50

Options for special applications

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

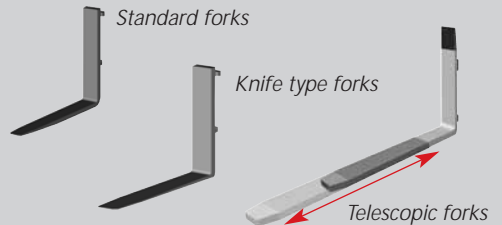
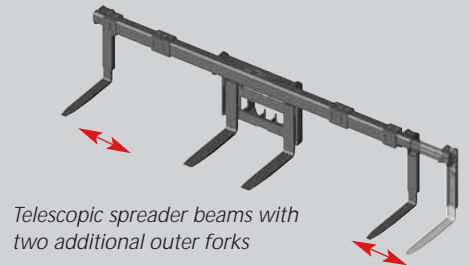
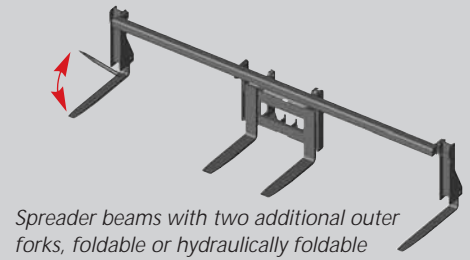
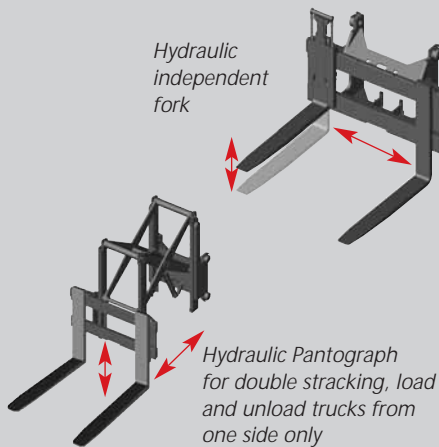
- **Integrated Fork adjustments - without loss of load centre**
 - Hydraulic fork tilt +/- 3°
 - Hydraulic fork adjustment in well
 - Hydraulic side shift +/- 100 mm
 - Hydraulic independent fork
 - Hydraulic swivelling forks +/- 3°

- **Spreader beams - without loss of load centre up to loadheight 1100 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.

lancer@soloaders.de
www.soloaders.com





LANCER LQ 40 – 50

Sideloaders

4 – 5 Tons

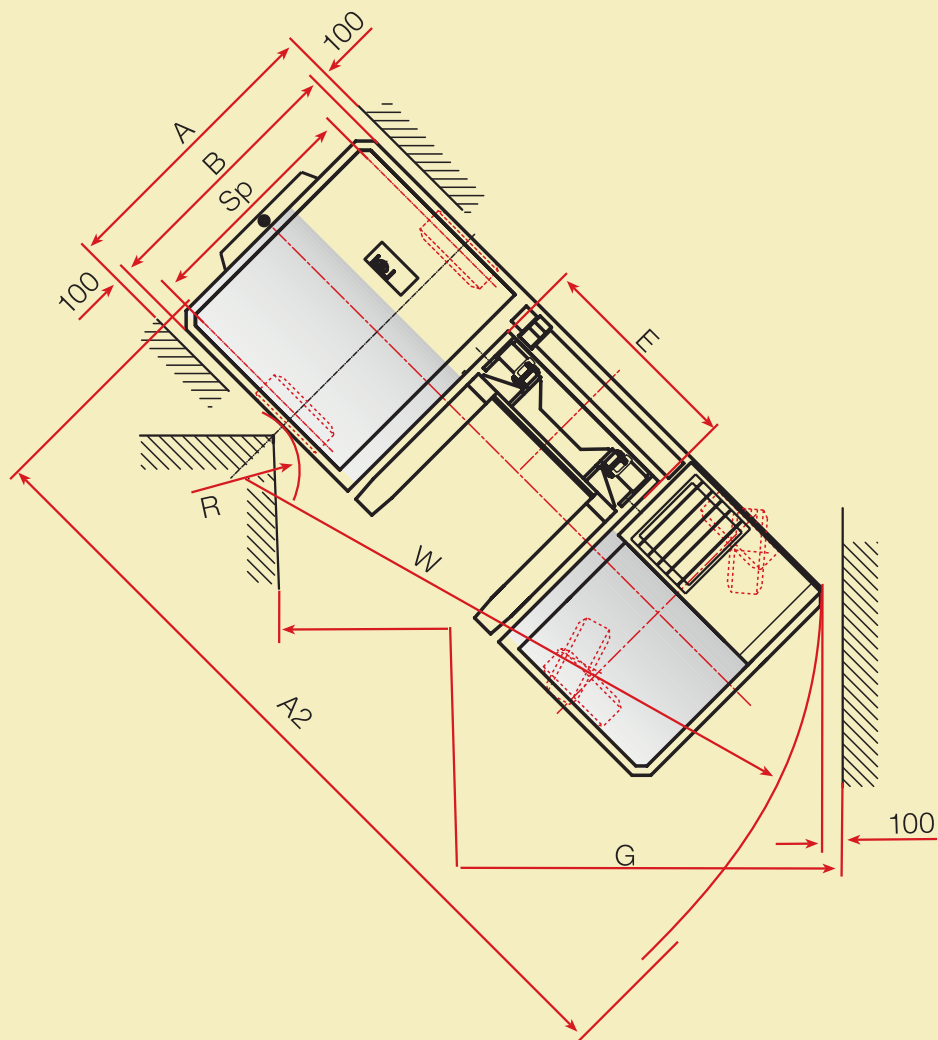
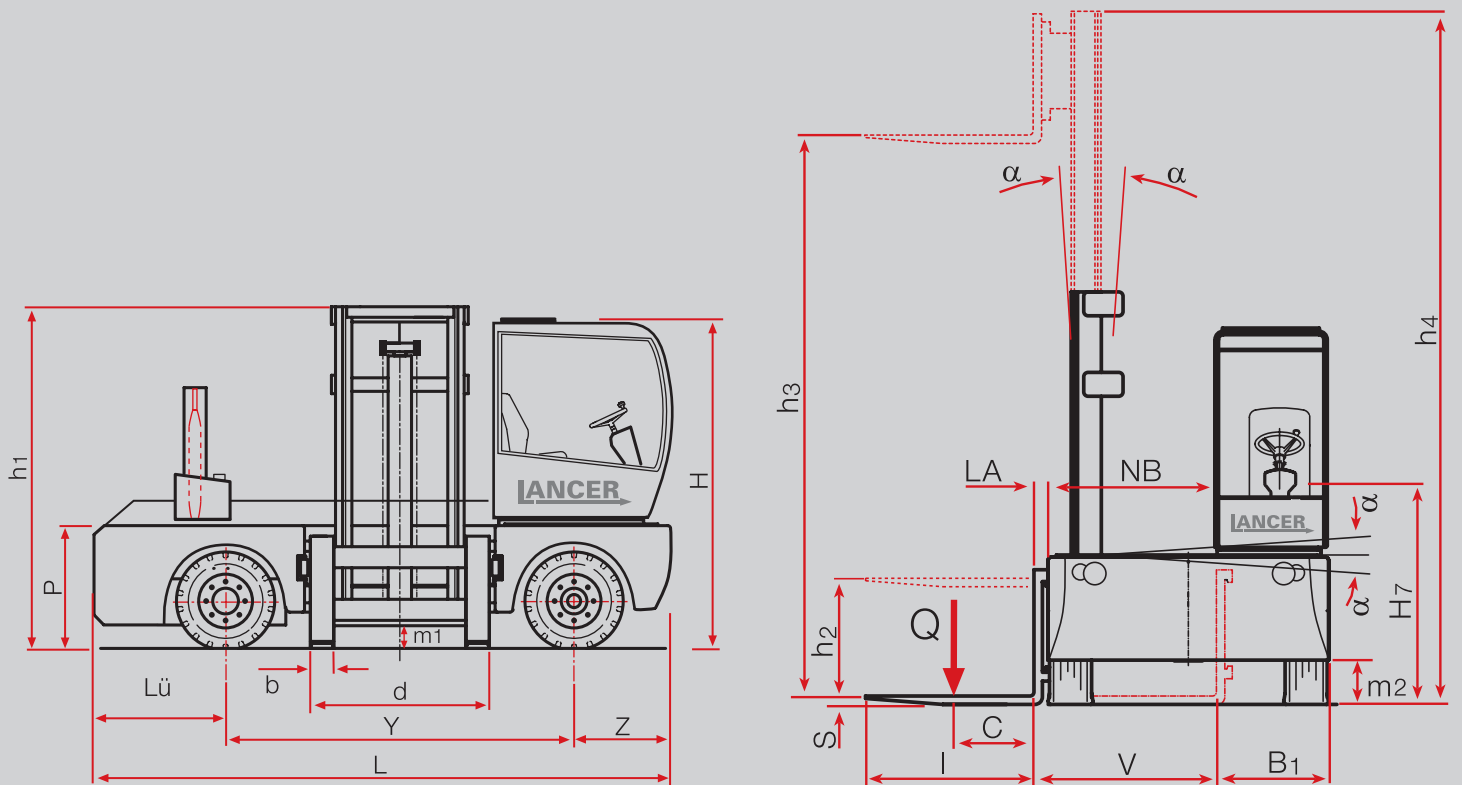
Technical Information

TERRA

LANCER 

LANCER LQ 40 – 50

Dimensions



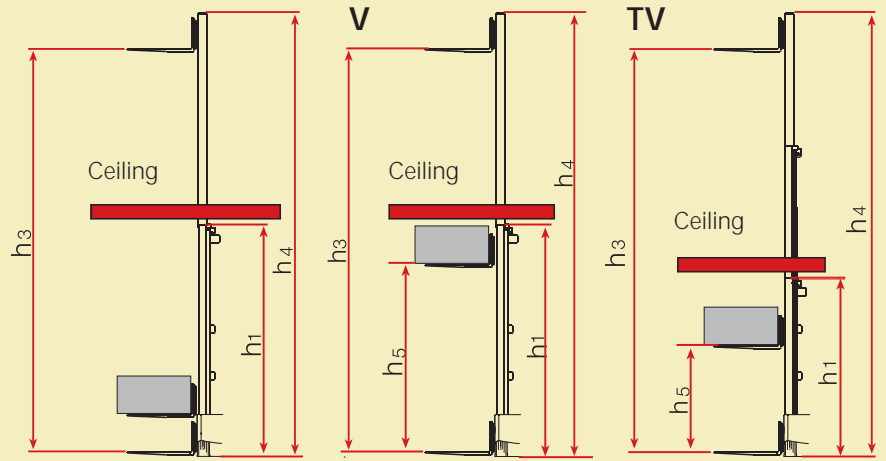
Type									
Brand				LANCER/TERRA			LANCER/TERRA		
Type				LQ 40/12	LQ 40/14	LQ 40/16	LQ 50/12	LQ 50/14	LQ 50/16
Lifting capacity	at standard lifting height	Q	kg	4000			5000		
Load center		c	mm	600	700	800	600	700	800
Plattform width ¹⁾		NB	mm	1200	1400	1600	1200	1400	1600
Drive	Electro, Diesel, Otto, LPG			Diesel or LPG			Diesel or LPG		
Type of steering	hand-, walk-, 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	4700			4700		
Total width		B	mm	2000	2200	2400	2000	2200	2400
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	2885			2885		
Overall height	mast extended	h 4	mm	4970			4970		
Free lift		h 2	mm	0			0		
Cabin height	max. over grille	H	mm	2790			2790		
Height of seat		H 7	mm	1730			1730		
Plattform height		P	mm	1030			1030		
Fork spacing	outer edge - outer edge	d	mm	300 - 1420		360 - 1420	360 - 1420		
Turning radius	inner	R	mm	630			630		
Turning radius	outer	W	mm	4340	4460	4590	4340	4460	4590
Aisle width	for straight on travel	A	mm	2200	2400	2600	2200	2400	2600
Aisle width	for 90° - Turning	G	mm	4110	4230	4350	4110	4230	4350
Aisle width	for 90° - Turning within aisle	A 2	mm	5740	5860	5980	5740	5860	5980
Weights									
Weight of truck			kg	7690	7850	8010	8290	8450	8610
Axle load	with lifting capacity front / rear		kg	5220/6470	5300/6550	5380/6630	6020/7270	6100/7350	6180/7430
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		%	31 / 19		30 / 19	28 / 16		27 / 16
Tractive power	max.		daN	2450			2450		
Chassis									
Tyres ²⁾	front / rear			2 / 2			2 / 2		
Tyre size	front / rear			8,25 - 15			300 - 15		
Tyres outside diameter			mm	853			857		
Track	front / rear	Sp1/Sp2	mm	1690/1730	1890/1930	2090/2130	1690/1730	1890/1930	2090/2130
Wheel base		Y	mm	2750			2750		
Tail section		Lü	mm	1195			1195		
Ground clearance	below upright	m 1	mm	230			230		
Ground clearance	center wheelbase	m 2	mm	190			190		
Service brake	front / rear			hydraulic / hydrostatic			hydraulic / hydrostatic		
Parking brake				electric - hydraulic					
Drive									
Engine	Manufacturer / Type			Perkins 1104D - 44T			Perkins 1104-E 44SI		
	Fuel			Diesel			LPG		
	Power DIN 70020		kW / hp	62,5 / 85			67,7 / 92		
	Speed		U / min	2200			2400		
	Cylinder / displacement		- / cm ³	4 / 4400			4 / 4400		
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

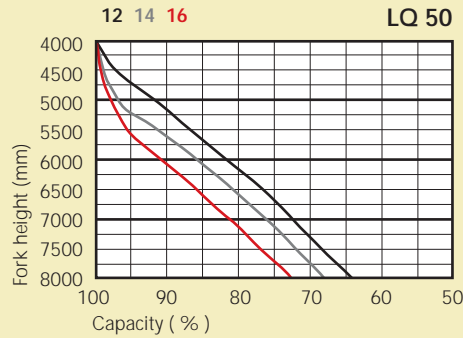
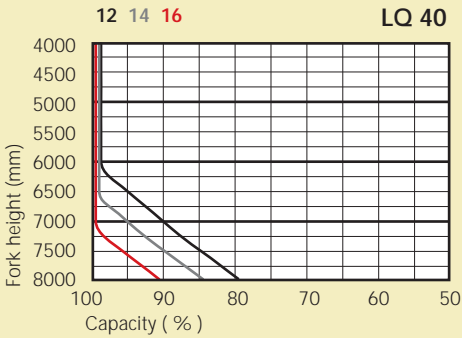
LANCER

LQ 40 – 50

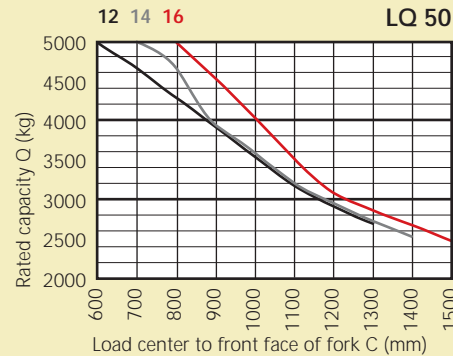
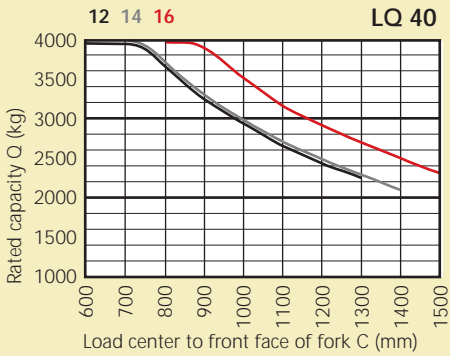
Masts



Lifting capacity at high lifting heights



Load diagram



Mast model LQ 40 – 50

	Lifting heights	Overall heights		Freelift
		Lowered	Extended	
		h_1	h_4	
	mm	mm	mm	mm
Duplex without free lift	4000	2885	4970	0
	4500	3135	5470	0
	5000	3385	5970	0
	5500	3635	6470	0
	6000	3885	6970	0
Duplex V Special free lift	4000	2840	4970	1870
	4500	3090	5570	2020
	5000	3340	6070	2270
	5500	3590	6570	2520
	6000	3840	7070	2770
Triplex TV	4500	2400	5470	1430
	5000	2560	5970	1590
	5500	2730	6470	1760
	6000	2900	6970	1930
	6500	3060	7470	2090
	7000	3230	7970	2260
	7500	3400	8470	2430
	8000	3560	8970	2590

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