

# LANCER LQ 60 – 80

## 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
- Comfort 800 mm wide 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 360 (400) - 1.420 mm
- Fork carriage according to FEM 4B
- Single cylinder steering axle with tight turning radius
- Hydrostatic safety power steering system with no return-shocks
- Corresponding hydraulic tilt cylinders on the cab side

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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

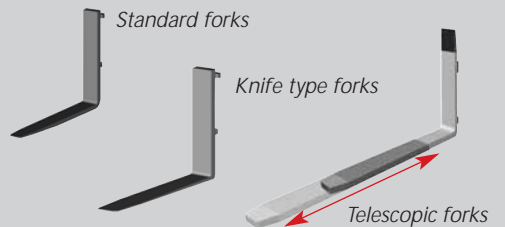
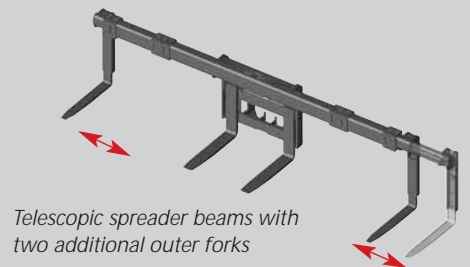
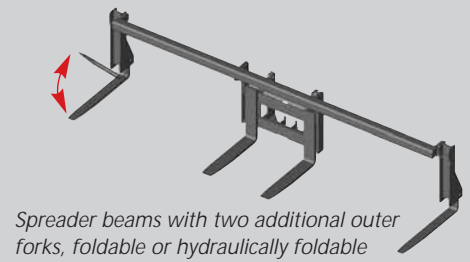
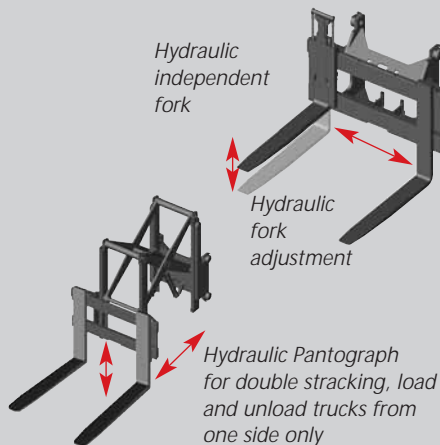
- **Integrated Fork adjustments - without loss of load centre**
  - Hydraulic fork tilt +/- 3°
  - Hydraulic fork adjustment in well
  - Hydraulic side shift +/- 100 mm
  - Hydraulic independent fork
  - Hydraulic swivelling forks +/- 3°

- **Spreader beams - without loss of load centre up to loadheight 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@sideloaders.de  
www.sideloaders.com





## LANCER LQ 60 – 80

Sideloaders

6 – 8 Tons

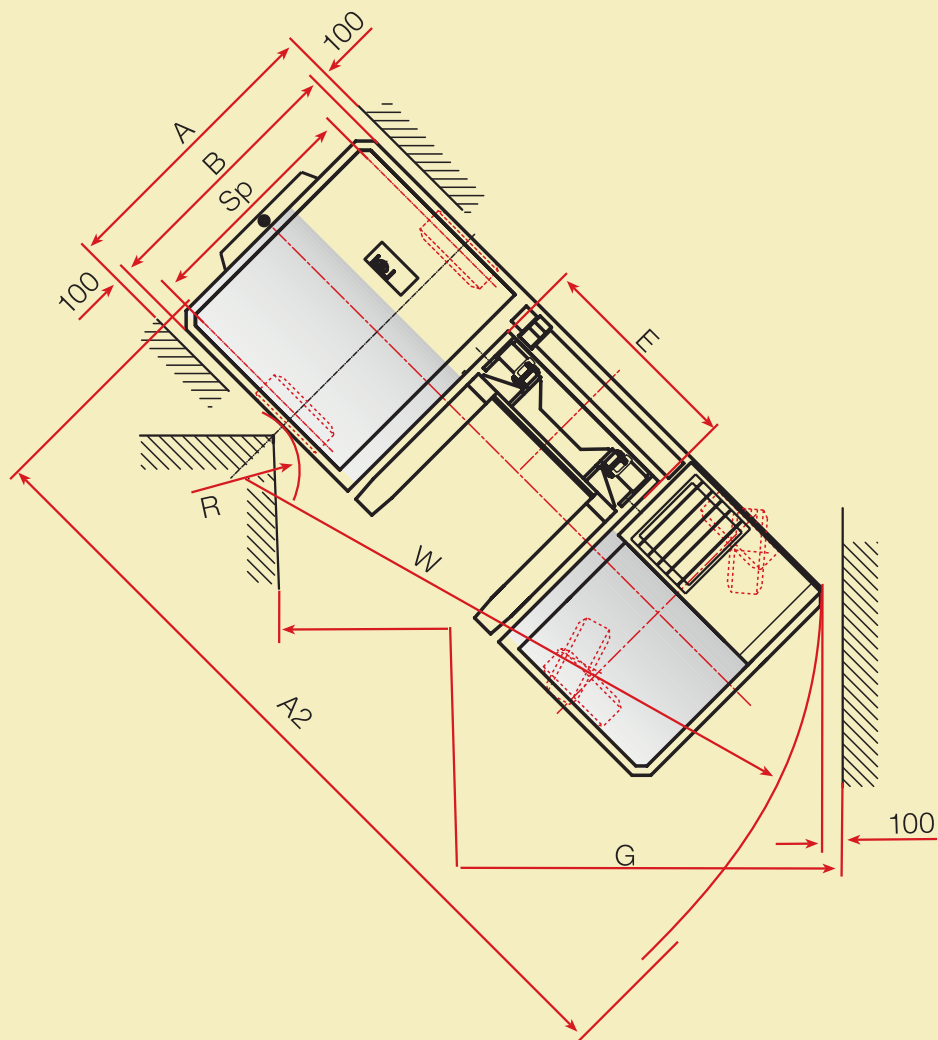
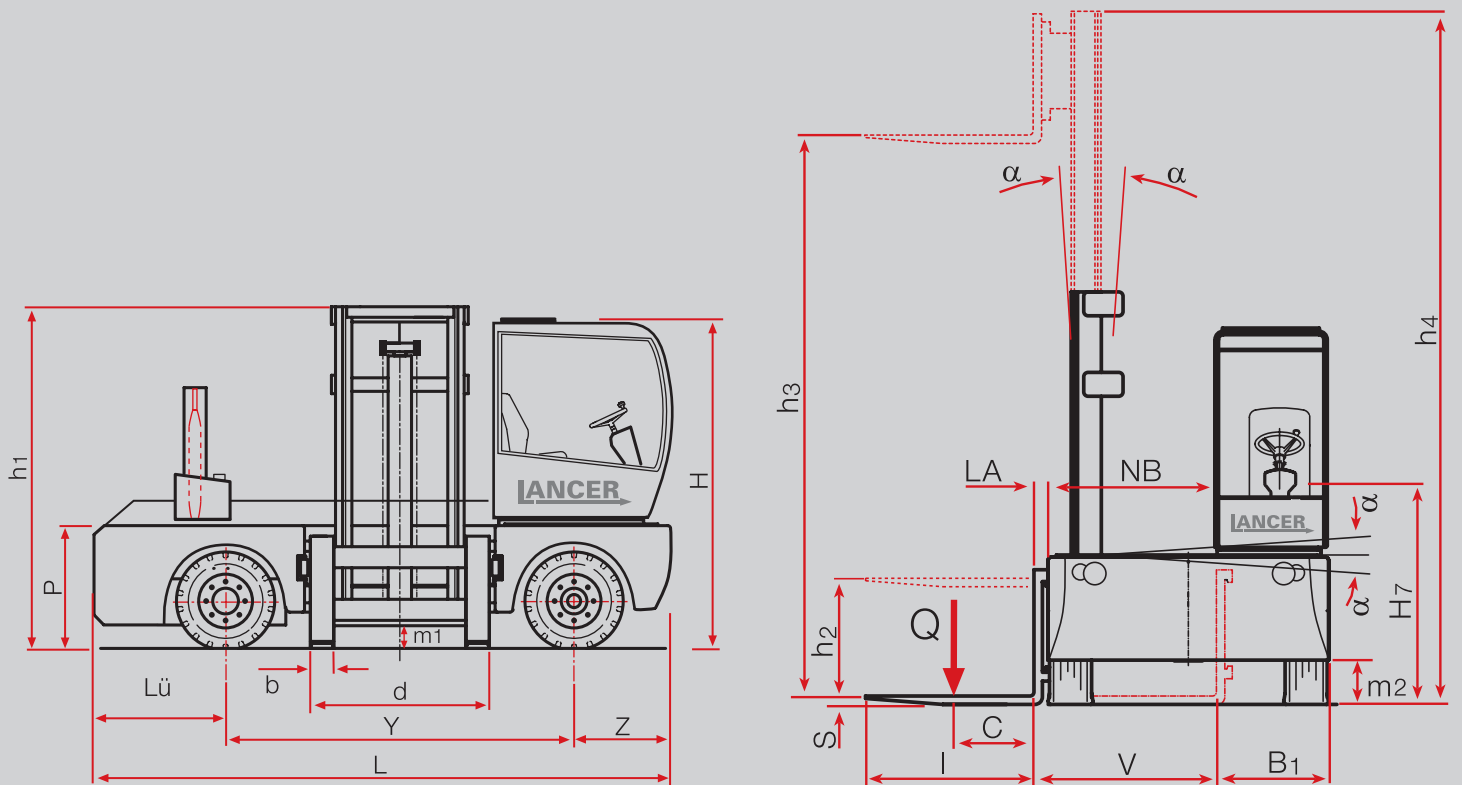
Technical Information

**TERRA**

**LANCER** 

# LANCER LQ 60 – 80

## Dimensions



Type												
Brand				LANCER/TERRA			LANCER/TERRA			LANCER/TERRA		
Typ	Typenbezeichnung des Herstellers			LQ 60/12	LQ 60/14	LQ 60/16	LQ 70/12	LQ 70/14	LQ 70/16	LQ 80/12	LQ 80/14	LQ 80/16
Lifting capacity	at standard lifting height	Q	kg	6000			7000			8000		
Load center		c	mm	600	700	800	600	700	800	600	700	800
Plattform width <sup>1)</sup>		NB	mm	<b>1200</b>	<b>1400</b>	<b>1600</b>	<b>1200</b>	<b>1400</b>	<b>1600</b>	<b>1200</b>	<b>1400</b>	<b>1600</b>
Drive	Electro, Diesel, LPG			Diesel or LPG			Diesel or LPG			Diesel or LPG		
Type of steering	hand-, walk-, stand-, seat-steering			Seat - steering			Seat - steering			Seat - steering		
Type of tyres	solid / pneumatic tyres front / rear			pneumatic tyres front and rear			pneumatic tyres front and rear			pneumatic tyres front and rear		
Wheels (x=driving)	number front / rear			2 / 2x			2 / 2x			2 / 2x		
Dimensions												
Fork length		l	mm	1200	1400	1600	1200	1400	1600	1200	1400	1600
Fork width		b	mm	180			180			200		
Fork thickness		s	mm	60			60			70		
Mast traverse		V	mm	1300	1500	1700	1300	1500	1700	1300	1500	1700
Load spacing		LA	mm	100			100			100		
Plattform tilt		α	°	4,5 / 4,5		3,8 / 3,8	4,5 / 4,5		3,8 / 3,8	4,5 / 4,5		3,8 / 3,8
Total length		L	mm	4850			4850			4850		
Total width		B	mm	2000	2200	2400	2030	2230	2430	2060	2260	2460
Width of truck to front face of forks		B <sub>1</sub>	mm	800			800			800		
Well width		E	mm	1500			1500			1500		
Lift height	height (see table)	h <sub>3</sub>	mm	4000			4000			4000		
Overall height	mast lowered	h <sub>1</sub>	mm	2865			2865			2865		
Overall height	mast extended	h <sub>4</sub>	mm	4970			5130			5130		
Free lift		h <sub>2</sub>	mm	0			0			0		
Cabin height	max. over grille	H	mm	2790			2790			2790		
Height of seat		H <sub>7</sub>	mm	1730			1730			1730		
Plattform height		P	mm	1030			1030			1030		
Fork spacing	outer edge - outer edge	d	mm	360 - 1420			360 - 1420		400 - 1420	400 - 1420		
Turning radius	inner	R	mm	680			680			680		
Turning radius	outer	W	mm	4480	4600	4720	4500	4620	4740	4520	4640	4740
Aisle width	for straight on travel	A	mm	2200	2400	2600	2230	2430	2630	2260	2460	2660
Aisle width	for 90° - Turning	G	mm	4210	4330	4450	4230	4350	4470	4250	4370	4490
Aisle width	for 90° - Turning within aisle	A <sub>2</sub>	mm	5890	6010	6130	5910	6030	6150	5930	6050	6170
Weights												
Weight of truck			kg	9490	9690	9890	10650	10850	11050	11400	11600	11800
Axle load	with lifting capacity front / rear		kg	6960/8530	7060/8630	7160/8730	8305/9345	8405/9445	8505/9545	9180/10220	9280/10320	9380/10420
Performance												
Stability	EN 1726-1, EN 1551		yes / no	yes			yes			yes		
Travel speed	without / with load		km/h	22 / 20			22 / 20			22 / 20		
Lifting speed	without / with load		m/s	0,40 / 0,35			0,35 / 0,30			0,35 / 0,30		
Lowering speed	without / with load		m/s	0,30 / 0,50			0,30 / 0,50			0,30 / 0,50		
Traverse speed	without / with load		m/s	0,30 / 0,30			0,30 / 0,30			0,30 / 0,30		
Gradeability	without / with load		%	25 / 14		24 / 14	22 / 12		21 / 11		20 / 11	
Tractive power	max.		daN	2550			2550			2550		
Chassis												
Tyres	front / rear			2 / 2			2 / 2			2 / 2		
Tyre size	front / rear			300 - 15			355/65 - 15			355/65 - 15		
Tyres outside diameter			mm	857			861			861		
Track	front / rear	Sp1/Sp2	mm	1650/1685	1850/1885	2050/2085	1600/1635	1800/1835	2000/2035	1600/1635	1800/1835	2000/2035
Wheel base		Y	mm	2940			2940			2940		
Tail section		Lü	mm	1210			1210			1210		
Ground clearance	below upright		mm	230			230			230		
Ground clearance	center wheelbase		mm	190			190			190		
Service brake	front / rear			hydraulic / hydrostatic								
Parking brake				electric - hydraulic								
Drive <sup>2)</sup>												
Engine	Manufacturer / Type			Perkins 1104D - 44T					Perkins 1104D - 44T			
	Fuel			Diesel					Diesel			
	Power DIN 70020		kW / hp	62,5 / 85					74,5 / 101			
	Speed		U / min	2200					2200			
	Cylinder / displacement		- / cm <sup>3</sup>	4 / 4400					4 / 4400			
Transmission				hydrostatic								
Gearshift				infinitely variable								
Battery	Voltage / Capacity		V/Ah	12 / 120								

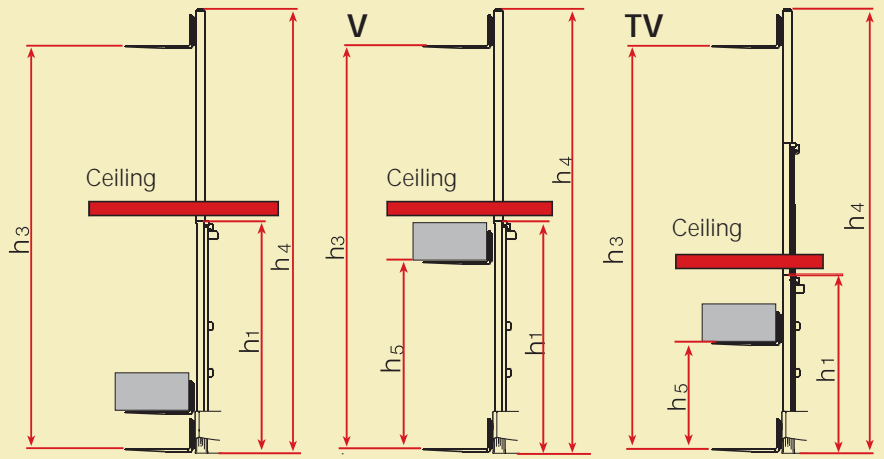
1) Plattform width 1800 mm, 2000 mm possible

2) Drive optional as LPG engine Perkins 1104 - E44SI, 67,7 kW (92 PS), U/min 2400, 4 Cylinder, 4400 cm<sup>3</sup> capacity (LQ 80 - reduced performance)

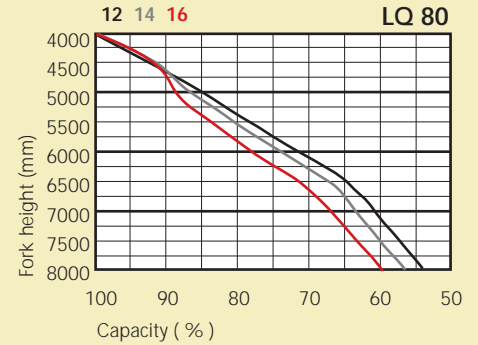
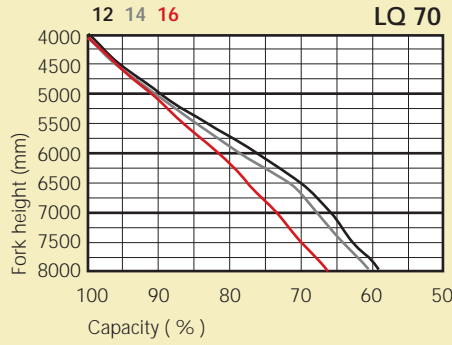
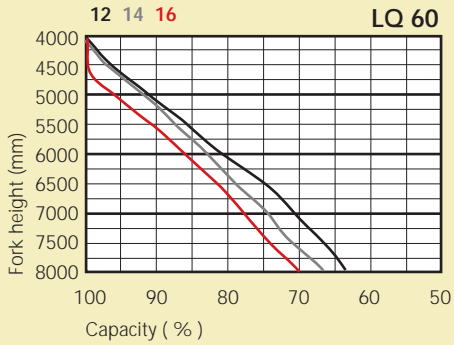
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## LQ 60 – 80

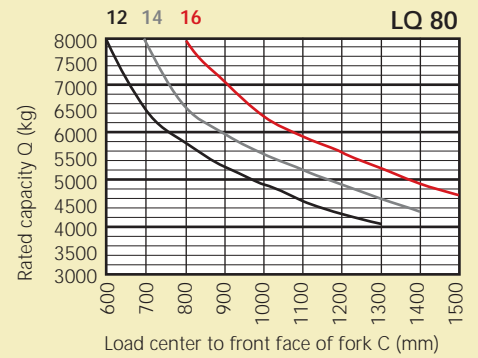
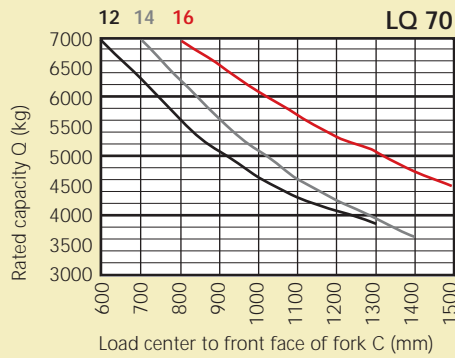
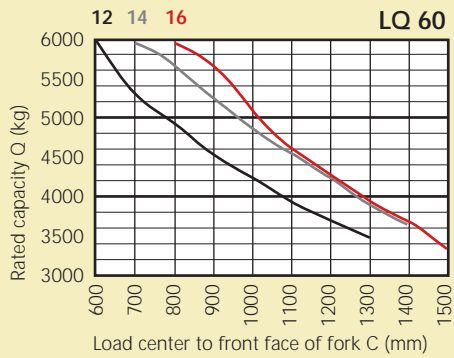
### Masts



#### Lifting capacity at high lifting heights



#### Load diagram



#### Mast model LQ 60

	Lifting heights	Overall heights		Freelift
		Lowered	Extended	
	$h_3$ mm	$h_1$ mm	$h_4$ mm	$h_6$ mm
Duplex without free lift	4000	2865	4970	0
	4500	3115	5470	0
	5000	3365	5970	0
	5500	3615	6470	0
	6000	3865	6970	0
Duplex V Special free lift	4000	2920	4970	1950
	4500	3170	5470	2200
	5000	3420	5970	2450
	5500	3670	6470	2700
Triplex TV	4500	2460	5470	1490
	5000	2620	5970	1650
	5500	2790	6470	1820
	6000	2960	6970	1990
	6500	3120	7470	2150
	7000	3290	7970	2320
	7500	3460	8470	2490
	8000	3620	8970	2650

#### Mast model LQ 70 – 80

	Lifting heights	Overall heights		Freelift
		Lowered	Extended	
	$h_3$ mm	$h_1$ mm	$h_4$ mm	$h_6$ mm
Duplex without free lift	4000	2865	5130	0
	4500	3115	5630	0
	5000	3365	6130	0
	5500	3615	6630	0
	6000	3865	7130	0
	Duplex V Special free lift	4000	2940	5055
4500		3190	5555	2135
5000		3440	6055	2385
5500		3690	6555	2635
6000		3940	7055	2885
Triplex TV		4500	2500	5555
	5000	2670	6055	1615
	5500	2840	6555	1785
	6000	3000	7055	1955
	6500	3170	7555	2115
	7000	3340	8055	2285
	7500	3500	8555	2455
	8000	3670	9055	2615

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