

Empty Container Handler
Capacity 9000 kg
4500mm wheelbase
C90/5 – C90/8

SERIES 318

Linde Material Handling

Linde



Technical data

Safety

Perfect load control and maneuverability in close surroundings is assured at all times. Linde archives this by placing the cabin in the raised rearward, optimised position to allow through-mast and direct visibility to the twistlock pick-up position. Visibility around the machine from the operator position is optimised by the utilisation of generous glass panels.

Performance

The finely tuned hydrostatic drive system delivers precision in operation balanced with optimised speed of performance. The stepless drive system ensures that acceleration through to top speed is without mechanical intervention.

Comfort

The operators cabin is mounted to a raised platform on high density rubber mounts, this ensures that drive and power train vibration, together with operational vibrations are suppressed thus provides the operator with a comfortable working place. The standard operators seat is equipped with hydraulic damping for additional cushioning.

Reliability

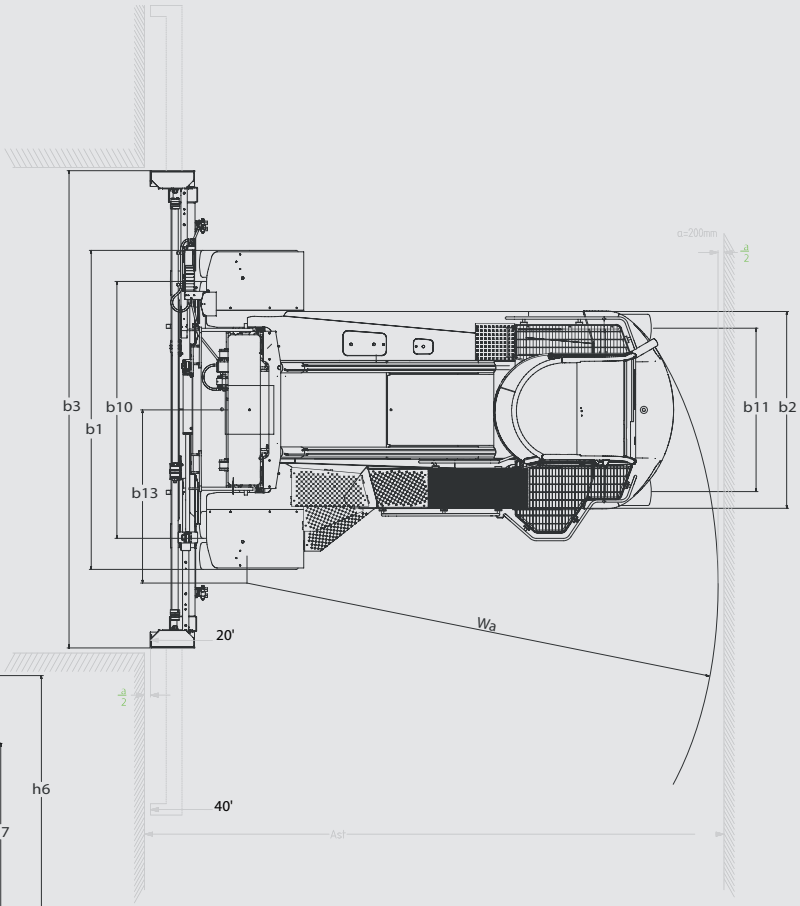
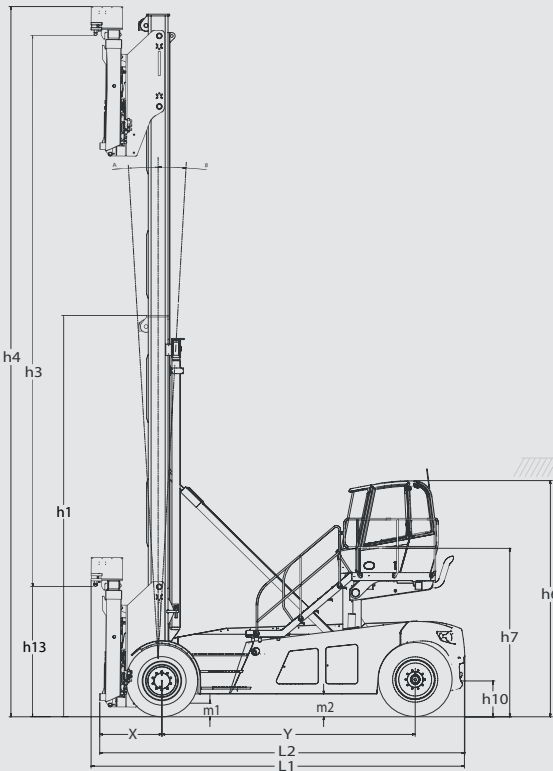
The proven reputation of the hydrostatic drive systems coupled together with the power unit provide peace of mind for the drive system; the mast and lifting device has been thoroughly tested for endurance and security in operation

Productivity

With the utilisation of the world-class hydrostatic drive system, speed and precision in operation is assured, the operational characteristics of the twin pedal drive system, and Linde Load Control hydraulic operators controls, ensure that minimum operator movement is required to operate the machine, thereby saving time and limiting operator fatigue.

Characteristics	1.1	Manufacturer	
	1.2	Model designation	
	1.3	Power unit: battery, diesel, LP gas, mains power	
	1.4	Operation: manual, pedestrian, stand-on, seated, order picker	
	1.5	Load capacity	Q (t)
	1.6	Load centre	C (mm)
	1.8	Load centre distance	x (mm)
Weight	1.9	Wheelbase	y (mm)
	2.1	Service weight	kg
	2.2	Axle load with load, front/rear	kg
Wheels and tyres	2.3	Axle load without load, front/rear	kg
	3.1	Tyres, front/rear (SE = superelastic, P = pneumatic)	
	3.2	Tyre size, front	
	3.3	Tyre size, rear	
	3.5	Wheels, number, front/rear (x=driven)	
	3.6	Track width, front	b10 (mm)
	3.7	Track width, rear	b11 (mm)
Dimensions	4.1	Mast/fork carriage/truck tilt, forward/backward	α/β (°)
	4.2	Height of mast, lowered	h1 (mm)
	4.4	Lift	h3 (mm)
	4.5	Height of mast, extended	h4 (mm)
	4.7	Height of overhead guard (cabin)	h5 (mm)
	4.8	Height, operator's seat/stand-on platform	h6 (mm)
	4.12	Towing coupling height	h7 (mm)
	4.15	Twistlock height lowered	h13 (mm)
	4.19	Overall length	l1 (mm)
	4.20	Length to fork face	l2 (mm)
	4.21	Overall width	b1/b2 (mm)
	4.24	Width of attachment 20' / 40'	s/e/l (mm)
	4.31	Ground clearance, mast	m1 (mm)
	4.32	Ground clearance, centre of wheelbase	m2 (mm)
	4.33	Aisle width with 20' container	Ast (mm)
	4.34	Aisle width with 40' container	Ast (mm)
	4.35	Turning radius	Wa (mm)
	4.36	Minimum pivoting point distance	b13 (mm)
Performance	5.1	Travel speed, with/without load	km/h
	5.2	Lift speed, with/without load	m/s
	5.3	Lowering speed, with/without load	m/s
	5.5	Tractive force, with/without load	kN
	5.7	Climbing ability, with/without load	%
	5.9	Acceleration time, with/without load	s
	5.10	Service brake	
Drive	6.4	Battery voltage, rated capacity	V/Ah
	7.1	Engine manufacturer/type	
	7.2	Engine performance according to ISO 1585	kW
	7.3	Rated speed	1/min
	7.4	Number of cylinders/displacement	/cm ³
Others	7.5	Fuel consumption – average	l/h
	8.1	Type of drive control	
	8.2	Working pressure for attachments	bar
	8.4	Noise level, at operator's ear, overhead guard/cab	dB (A)
	8.5	Trailer coupling, design/type DIN	Ø (mm)

LINDE	LINDE	LINDE	LINDE
C90/5	C90/6	C90/7	C90/8
Diesel	Diesel	Diesel	Diesel
Rider seated	Rider seated	Rider seated	Rider seated
9	9	9	7
1295	1295	1295	1295
1127	1127	1127	1127
4500	4500	4500	4500
34194	35473	35745	36717
33245/9953	34323/10153	34472/10276	35231/10489
19336/14858	20383/15090	20584/15161	21313/15404
P/P	P/P	P/P	P/P
12.00 x 24 20pr	12.00 x 24 20pr	12.00 x 24 20pr	12.00 x 24 20pr
12.00 x 24 20pr	12.00 x 24 20pr	12.00 x 24 20pr	12.00 x 24 20pr
4x/2	4x/2	4x/2	4x/2
3300	3300	3300	3300
2067	2067	2067	2067
3/3.5	3/3.5	3/3.5	3/3.5
9283	10731	11111	12399
12678	15574	16352	18926
15788	18684	19244	21818
4179	4179	4179	4179
2999	2999	2999	2999
600	600	600	600
2290	2290	2290	2290
6677	6677	6677	6677
6509	6509	6509	6509
4000/2545	4000/2545	4000/2545	4000/2545
6050/12150	6050/12150	6050/12150	6050/12150
-	-	-	-
342	342	342	342
9702	9702	9702	9702
14232	14232	14232	14232
5792	5792	5792	5792
2129	2129	2129	2129
25/26	25/26	25/26	25/26
0.58/0.58	0.58/0.58	0.58/0.58	0.58/0.58
0.54/0.54	0.54/0.54	0.54/0.54	0.54/0.54
86.7	86.7	86.7	86.7
17.6/-	17.6/-	17.6/-	17.6/-
5	5	5	5
Wet disc	Wet disc	Wet disc	Wet disc
2x 12/200	2x 12/200	2x 12/200	2x 12/200
Cummins	Cummins	Cummins	Cummins
142	142	142	142
2200	2200	2200	2200
6/6700	6/6700	6/6700	6/6700
-	-	-	-
Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic
250	250	250	250
/	/	/	/
50	50	50	50



C 90 / 5					
8' container		8'6" container		9'6" container	
Q	Height (mm)	Q	Height (mm)	Q	Height (mm)
9 t	14628				
9 t	12190	9 t	12955	9 t	14480
9 t	9752	9 t	10364	9 t	11584
9 t	7314	9 t	7773	9 t	8688
9 t	4876	9 t	5182	9 t	5792
9 t	2438	9 t	2591	9 t	2896
to C= 1295 mm					

C 90 / 6					
8' container		8'6" container		9'6" container	
Q	Height (mm)	Q	Height (mm)	Q	Height (mm)
9 t	17066				
9 t	14628	9 t	15546	9 t	17376
9 t	12190	9 t	12955	9 t	14480
9 t	9752	9 t	10364	9 t	11584
9 t	7314	9 t	7773	9 t	8688
9 t	4876	9 t	5182	9 t	5792
9 t	2438	9 t	2591	9 t	2896
to C= 1295 mm					

C 90 / 7					
8' container		8'6" container		9'6" container	
Q	Height (mm)	Q	Height (mm)	Q	Height (mm)
9 t	17066	9 t	18137	9 t	20265
9 t	14628	9 t	15546	9 t	17376
9 t	12190	9 t	12955	9 t	14480
9 t	9752	9 t	10364	9 t	11584
9 t	7314	9 t	7773	9 t	8688
9 t	4876	9 t	5182	9 t	5792
9 t	2438	9 t	2591	9 t	2896
to C= 1295 mm					

C 90 / 8					
8' container		8'6" container		9'6" container	
Q	Height (mm)	Q	Height (mm)	Q	Height (mm)
7 t	19508	7 t	20720		
9 t	17066	9 t	18137	7 t	20265
9 t	14628	9 t	15546	9 t	17370
9 t	12190	9 t	12955	9 t	14480
9 t	9752	9 t	10364	9 t	11584
9 t	7314	9 t	7773	9 t	8688
9 t	4876	9 t	5182	9 t	5792
9 t	2438	9 t	2591	9 t	2896
to C= 1295 mm					

Standard and optional equipment

Standard equipment

Overhead guard	Engine intake air cleaner with integral safety element and high level dustbowl
Hydraulic-suspension comfort-class seat with wide range of adjustment	Twistlock condition display for locked/unlocked/seated position with override switch
Lockable, under seat storage box	Abundant storage space for writing materials, beverage cans, etc.
Document storage bin – left side of seat	Pneumatic tyres
Linde twin drive pedals to control truck travel	Standard reverse section mast with 4 chain lift system
Linde Central Load Control for low-effort precision control of all mast and sidelift frame functions	Integrated sidelift frame with safety interlock, vertical twistlocks, extension 20'-40', sideshift +/- 300mm
Fixed angle steering wheel	Internal rear-view mirror
Demand-controlled hydrostatic power steering, fuel-economizing, easy and precise response	External rear-view mirrors
High-performance hydraulic filter preserving maximum purity of oil for long life of all hydraulic components	Audible warning reverse alarm
Floor, mat	Standard Linde paint scheme
Glare free display including fuel gauge, clock, hour meter, servicing information and control lamps for all important truck functions	

Options

Single drive pedal in combination with direction selector in armrest	Truck lights, work lamps
Standard masts, 5 & 6 high 9' 6" and 7 and 8 high 8' 6" lift height	Heated mirrors
Overhead guard add-ons – Front screen, top window, rear window	Engine air pre-cleaner
Cabin with front, top and rear washer/wipers with heater	Beacon lamps
Deluxe cabin with climate control, heated seat, adjustable steering column, roof and front screen blinds, front, top and rear washer/wipers	Adjustable steering column
Seat incorporating air suspension with compressor	Blinds – roof and front screen
Individual levers – lift and tilt	Accumulator for hydraulic service
Individual levers – extension/retraction, sideshift	On-board battery charger
Radio with compact disc player and speakers	High level air intake for heating system
	Custom paintwork
	+/- 600mm sideshift
	Other special features on request

Features

Power and drive system

- Linde hydrostatic drive system providing stepless, precise operator control.
- Low speed, high torque diesel engine matched to hydrostatic drive and hydraulic service pump requirements

Double pedal operation

- Instant direction change
- Precise travel movement
- Reduces operator foot movement



Linde Load Control

- Standard operator controls providing effortless operation
- Twin pedal drive system
- Linde load central control lever
- Reduced operator fatigue

Operators compartment

- Raised, rear positioned for optimised all-round visibility, and free-sight to the twistlocks at all lift heights
- Impact tested loadguard structure
- Access stairway and platform on left
- Emergency ladder and platform on right

Modern powerfull engine

- Diesel motor stage 3a emissions
- 6-cylinder 6.7 ltr 142 kW rated at 2200rpm
- Maximum torque 931@1400rpm



Operators controls

- Linde load central control lever
- Twin pedal drive system
- Column mounted handbrake
- Centre emergency brake pedal
- Centralised glare-free multifunction display

Linde Truck control

- Reliable electronic controller
- High dependability resulting from redundant monitoring systems
- Automatic control of engine speed as function of load
- Casing totally enclosed for protection from dust and dirt

Linde free-sight mast

- Unique mast profile developed to control load forces normally found in empty container handling
- Optimised forward visibility by placing all operational parts outside of mast profile
- 20'-40' integrated telescopic handler with vertical fully-floating twistlocks and electronic safety interlock system

