

LINDE

Forklift trucks

Designation acc. to VDI 2198

Data sheet for material handling equipment

July 1999

		Linde		
Characteristics	1.1	Manufacturer	Linde	
	1.2	Model designation	E 16	
	1.3	Power unit: battery, diesel, petrol, LP gas, mains power	Battery	
	1.4	Operation: manual pedestrian, stand-on, seated, order picker	Seated	
	1.5	Load capacity	Q (t)	1.6
	1.6	Load centre	c (mm)	500
	1.8	Axle centre to fork face	x (mm)	350 (375) ²⁾
	1.9	Wheelbase	y (mm)	1445
	Weight	2.1	Service weight	kg
2.2		Axle load with load, front / rear	kg	4003 / 492
2.3		Axle load without load, front / rear	kg	1465 / 1430
Wheel and Tyre	3.1	Tyres, front / rear (SE = CS superelastic, L = pneumatic)		SE (L) / SE (L) ⁵⁾
	3.2	Tyre size, front		18 x 7-8 SE ³⁾
	3.3	Tyre size, rear		15 x 4 1/2-8 SE ⁶⁾
	3.5	Wheels, rubber front / rear (x = driven)		2x/2
	3.6	Track width, front	b ₁₀ (mm)	910
	3.7	Track width, rear	b ₁₁ (mm)	168
	Dimensions	4.1	Mast / fork carriage tilt, forward / backward	α/β (°)
4.2		Height of mast, lowered	h ₁ (mm)	2137 ²⁾ (2080) ^{1) 2)}
4.3		Free lift	h ₂ (mm)	150
4.4		Lift	h ₃ (mm)	3250 (4675) ^{1) 2)}
4.5		Height of mast, extended	h ₄ (mm)	3813 (5238) ^{1) 2)}
4.7		Height of overhead guard (cabin)	h ₆ (mm)	1953
4.8		Height of seat / stand-on platform	h ₇ (mm)	923
4.12		Towing coupling height	h ₁₀ (mm)	-
4.19		Overall length	l ₁ (mm)	2865
4.20		Length to fork face	l ₂ (mm)	1965 (1990) ²⁾
4.21		Overall width	b ₁ /b ₂ (mm)	1083 (1000) ⁴⁾
4.22		Fork dimensions	s/e/l (mm)	40 x 80 x 900
4.23		Fork carriage to DIN 15173, class / form A, B		2 A
4.24		Width of fork carriage	b ₃ (mm)	1040
4.31		Ground clearance, mast	m ₁ (mm)	95
4.32		Ground clearance, centre of wheelbase	m ₂ (mm)	110
4.33		Aisle width with pallets 1200 x 1000 across forks	Ast (mm)	3292 (3315) ²⁾
4.34		Aisle width with pallets 800 x 1200 along forks	Ast (mm)	3415 (3440) ²⁾
4.35		Turning radius	Wa (mm)	1615
4.36		Min. turning radius, front axle	b ₁₃ (mm)	-
Performances	5.1	Travel speed, with / without load	km/h	13.4 / 15.8
	5.2	Lifting speed, with / without load	m/s	0.41 / 0.62
	5.3	Lowering speed, with / without load	m/s	0.58 / 0.47
	5.5	Tractive force with / without load, 60 minute rating	N	1900 / 2147
	5.6	Maximum tractive force, with / without load, 5 minute rating	N	7383 / 7557
	5.7	Climbing ability, with / without load, 30 minute rating	%	5.7 / 9.7
	5.8	Maximum climbing ability, with / without load, 30 minute rating	%	17 / 27.7
	5.9	Acceleration time, with / without load	s	4.9 / 4.3
	5.10	Service brake		Mechan./electr.
	Drive	6.1	Drive motor, 60 minute rating	kW
6.2		Lift motor, 15 % rating	kW	9.5
6.3		Battery according to IEC		254-2
6.4		Battery voltage / rated capacity (5h)	V/Ah	48 / 660 ⁷⁾
6.5		Battery weight (± 5%)	kg	1013
6.6		Power consumption according to VDI cycle	kWh/h	-
Other	8.1	Type of drive control		Microprocessor
	8.2	Working pressure for attachments	bar	210
	8.3	Oil quantity for attachments	l/min	-
	8.4	Mean noise level at driver's ear	dB (A)	-
	8.5	Towing coupling, design / type DIN, no		-
1) See table on page 3 for other mast heights.		7) Other battery capacity to order.		
2) Figures in parentheses for triplex masts.		8) Figures in parentheses for duplex and triplex masts.		
3) With 150 mm free lift.		9) Figures for triplex masts on request.		
4) Figures in parentheses for cushion tyres 18 x 5 x 12 1/8 KS front				
5) Optionally pneumatic tyres 18 x 7 - 8 / 18 PR or cushion tyres 18 x 5 x 12 1/8.				
6) Optionally pneumatic tyres 15 x 4 1/2 - 8 / 12 PR.				