Linde Material Handling



Pallet Trucks

T14 – T20

Capacity 1.4 t – 2.0 t | Series 1155

PB ION PIEK*

Compact transport helper

→ Compact design for fast, easy manoeuvring in confined spaces
→ Low steering effort for reduced fatigue during physically demanding tasks
→ Robust chassis and reinforced forks for transporting loads of up to two tonnes
→ T14 and T16 compact models for operation in confined spaces e.g. city centre deliveries

* PIEK certificated. Low noise pollution, max. 60 dB(A)

TECHNICAL DATA (according to VDI 2198)

Characteristics	1.1	Manufacturer (abbreviation)		LINDE MH	LINDE MH	LINDE MH	LINDE MH
	1.2	Manufacturer's type designation		T14	T16	T18	T20
	1.2a	Series		1155	1155	1155	1155
	1.3	Drive		Battery	Battery	Battery	Battery
	1.4	Operation		Pedestrian	Pedestrian	Pedestrian	Pedestrian
	1.5	Rated capacity/rated load	Q (t)	1.4	1.6	1.8	2.0
	1.6	Load centre distance	c (mm)	600	600	600	600
	1.8	Load distance, centre of drive axle to fork	x (mm)	893/965[1)2)]	893/965[1)2)]	893/965[1)2)]	893/965[1)2)]
	1.9	Wheelbase	y (mm)	1160/1232[1)2)]	1230/1302[1)2)]	1230/1302[1)2)]	1305/1377[1)2)]
Weight	2.1	Service weight	kg	329[3)]	412[3)]	412[3)]	501[3)]
	2.2	Axle loading, laden front/rear	kg	610/1119[3)]	698/1314[3)]	746/1466[3)]	839/1662[3)]
	2.3	Axle loading, unladen front/rear	kg	256/73[3)]	317/95[3)]	317/95[3)]	390/111[3)]
Tyres/chassis	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		Polyurethane	Polyurethane	Polyurethane	Polyurethane
	3.2	Tyre size, front		Ø 230 × 75	Ø 230 × 75	Ø 230 × 75	Ø 230 × 75
	3.3	Tyre size, rear		Ø 85 × 105 (Ø 85 × 100)[4)]	Ø 85 × 105 (Ø 85 × 100)[4)]	Ø 85 × 105 (Ø 85 × 100)[4)]	Ø 85 × 105 (Ø 85 × 100)[4)]
	3.4	Additional wheels (dimensions)		2x Ø 125 × 40	2x Ø 125 × 40	2x Ø 125 × 40	2x Ø 125 × 40
	3.5	Wheels, number front/rear (x = driven wheels)		1x + 2/2 (1x + 2/4)[4)]	1x + 2/2 (1x + 2/4)[4)]	1x + 2/2 (1x + 2/4)[4)]	1x + 2/2 (1x + 2/4)[4)]
	3.6	Tread, front	b10 (mm)	482[2)]	482[2)]	482[2)]	482[2)]
	3.7	Tread, rear	b11 (mm)	355/375 [395/515][2)]	355/375 [395/515][2)]	355/375 [395/515][2)]	355/375 [395/515][2)]
Dimensions	4.4	Lift	h3 (mm)	125[2)]	125[2)]	125[2)]	125[2)]
	4.9	Height drawbar in driving position min./max.	h14 (mm)	810/1205[2)]	810/1205[2)]	810/1205[2)]	810/1205[2)]
	4.15	Height, lowered	h13 (mm)	86[5)]	86[5)]	86[5)]	86[5)]
	4.19	Overall length	l1 (mm)	1579[2)]	1649[2)]	1649[2)]	1719[2)]
	4.20	Length to fork face	l2 (mm)	429[2)]	499[2)]	499[2)]	569[2)]
	4.21	Overall width	b1/b2 (mm)	720[2)]	720[2)]	720[2)]	720[2)]
	4.22	Fork dimensions DIN ISO 2331	s/e/l (mm)	55/165/1150	55/165/1150	55/165/1150	55/165/1150
	4.25	Fork spread	b5 (mm)	520/540 [560/680][2)]	520/540 [560/680][2)]	520/540 [560/680][2)]	520/540 [560/680][2)]
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	32/157[6)7)]	32/157[6)7)]	32/157[6)7)]	32/157[6)7)]
	4.33	Load dimension b12 × l6	b12 × l6 (mm)	1200 × 800	1200 × 800	1200 × 800	1200 × 800
	4.34	Aisle width predetermined load dimensions	Ast (mm)	2172[8)]	2245[8)]	2245[8)]	2317[8)]
	4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	2174[8)9)10)]	2247[8)9)10)]	2247[8)9)10)]	2319[8)9)10)]
	4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	2069[8)9)]	2142[8)9)]	2142[8)9)]	2214[8)9)]
	4.35	Turning radius	Wa (mm)	1365/1437[1)9)]	1438/1510[1)9)]	1438/1510[1)9)]	1510/1582[1)9)]
Performance	5.1	Travel speed, laden/unladen	km/h	6/6[11)]	6/6[11)]	6/6[11)]	6/6[11)]
	5.2	Lifting speed, laden/unladen	m/s	0.035/0.047[3)]	0.035/0.046[3)]	0.031/0.046[3)]	0.033/0.042[3)]
	5.3	Lowering speed, laden/unladen	m/s	0.064/0.027[3)]	0.07/0.028[3)]	0.073/0.028[3)]	0.069/0.035[3)]
	5.8	Max. gradeability, laden/unladen	%	13.0/20.0	10.0/20.0	9.0/20.0	9.0/20.0
	5.9	Acceleration time, laden/unladen	s	7.0/6.6	6.9/6.4	6.9/6.4	7.1/6.4
	5.10	Service brake		Electric-engine	Electric-engine	Electric-engine	Electric-engine
Electric-engine	6.1	Drive motor rating S2 60 min	kW	1.1	1.3	1.3	1.3
	6.2	Lift motor rating at S3 15%	kW	1.0	1.0	1.0	1.2
	6.3	Battery according to DIN 43531/35/36 A, B, C, no		Li-ION compact	2 PzS-B	2 PzS-B	43 535 B/2 PzS
	6.4	Battery voltage/nominal capacity K5	(V)/(Ah) or kWh	24/62 (125)[12)]	24/150	24/150	24/250
	6.5	Battery weight (±5%)	kg	15/22[6)]	134/154[6)]	134/154[6)]	163/250[6)]
	6.6	Energy consumption according to DIN EN 16796	kWh/h	0.27	0.26	0.26	0.3
	6.6.1	CO2 equivalent according to DIN EN 16796	(kg/h)	0.15	0.14	0.14	0.16
	6.7	Turnover output according to VDI 2198	t/h	77.0	90.0	101.0	110.0
	6.8	Turnover efficiency according to VDI 2198	t/kWh	129	145	163	176
Drive/lifting mechanism	8.1	Type of drive unit		AC control	AC control	AC control	AC control
Additional data	10.7	Sound pressure level LpAZ (at the operator's seat)	dB (A)	57[13)]	63[13)]	63[13)]	63[13)]

1) Forks raised / lowered
2) (±5 mm)
3) (± 10%)
4) Figures in parenthesis with tandem load wheels
5) (-0/+5 mm)
6) Min./max.
7) (±2 mm)
8) Including a 200 mm (min.) operating aisle clearance
9) With creep speed = tiller in vertical position
10) With fork length 1150 mm
11) (± 5%)
12) (Option)
13) (± 2.5)