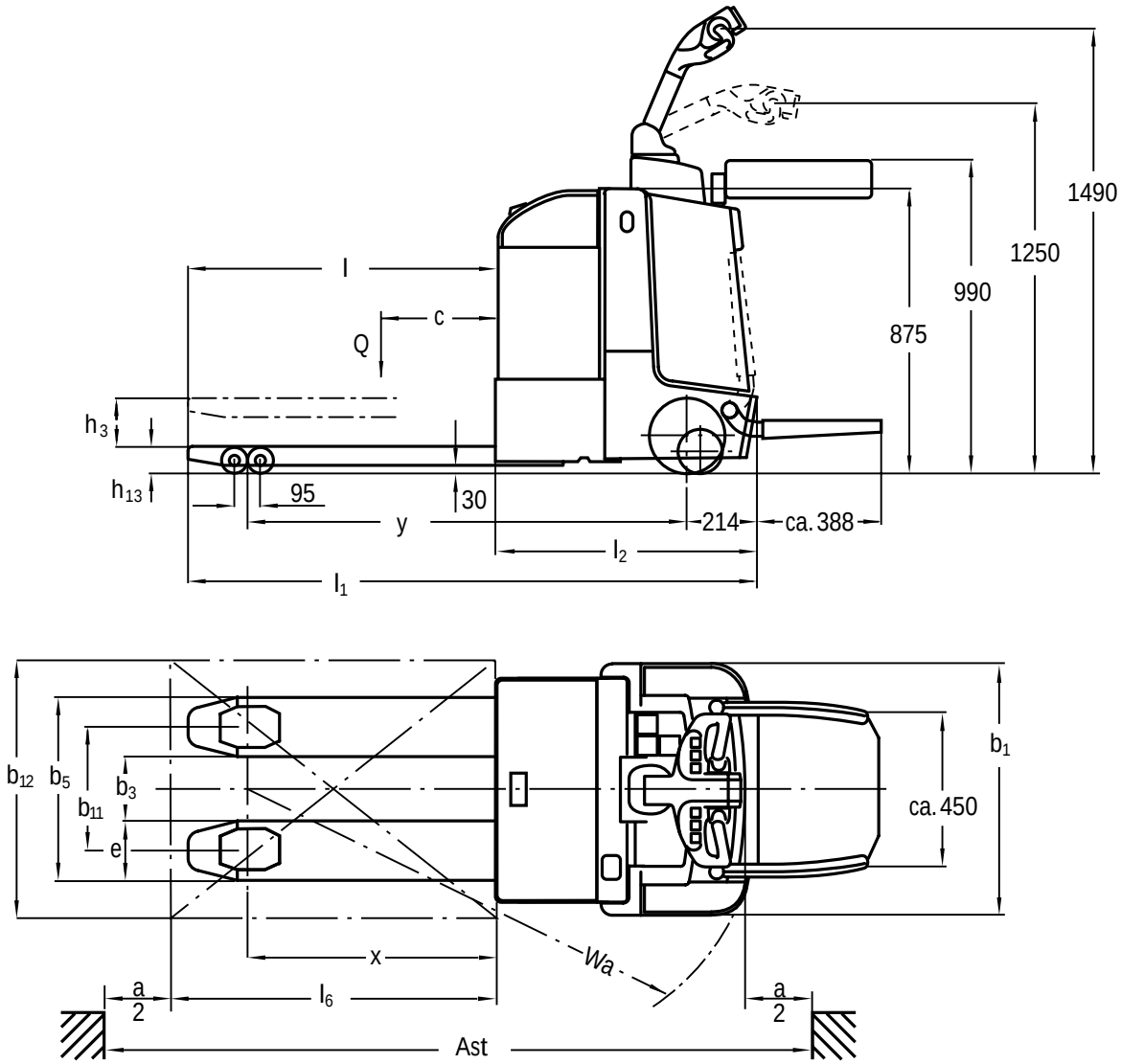
Electric Pedestrian Pallet Truck

with foldable stand-on platform

WN 20 S

- Manoeuvrable in short distance operation, fast on long distances
- Powerful impulse control with Speed Control
- Load-dependent braking system
- Pro-Trac Link System for lateral stability and traction
- Electric steering (optional)
- Fixed stand-on platform available



Load section dimensions WN 20 S

4.22 fork length mm	4.19 total length short[2] mm	1.9 y raised[3] short[2] mm	1.8 loaddistance x raised[3] mm	b_{12} mm		4.34 4.35 Wa[1) 2)] raised[3] mm	A_{ST}[1) 2)] raised[3] mm
1000	1723	1233	724	1000	800	1463	1939
1150	1873	1383	874	1200	800	1613	2139
1200	1923	1433	924	1200	800	1663	2139
1400	2123	1633	1124	1400	700	1863	2339
1600	2323	1833	1324	1600	1200	2063	2539
1950	2673	1809	1300	2000	800	2039	2939
2150	2873	2009	1500	2100	700	2239	3039
2400	3123	2259	1750	2400	1200	2489	3339

1) stand-on operation +390 mm
L_2 = 723 mm
overhang drive = 214 mm

2) long version +65 mm

3) lowered +90

ISO-9001-, ISO-14001-
Zertifizierungen des Qualitäts-
und Umweltmanagements.

Entspricht den europäischen
Sicherheitsanforderungen.

Technical Data in line with VDI 2198 as at: 09/2003

Identification	1.1	Manufacturer (short form)		MIC	1.1
	1.2	Manufacturer's identification		**WN 20 S**	1.2
	1.3	Drive (electric, Diesel, petrol, gas, mains operated, manual)		electric	1.3
	1.4	Operation (hand, pedestrian, stand-on, seat, order picker)		pedestrian	1.4
	1.5	Capacity / load	Q (t)	2,0	1.5
	1.6	Load centre distance	c (mm)	600	1.6
	1.8	Load distance	x (mm)	874[1)]	1.8
	1.9	Wheelbase	y (mm)	1383/1448[1)]	1.9
Weights	2.1	Service weight (without battery)	kg	530	2.1
	2.2	Axle loading with load front/rear	kg	1080/1750	2.2
	2.3	Axle loading without load front/rear	kg	650/180	2.3
Wheels, Chassis	3.1	Tyres		PU/Vulk.	3.1
	3.2	Tyre size, front		230 x 77	3.2
	3.3	Tyre size, back		85 x 85	3.3
	3.4	Additional wheels (dimensions)		140 x 54	3.4
	3.5	No. of wheels front/back (x=powered)		1x + 2/4	3.5
	3.7	Track width, back	b_{11} (mm)	340/370/500	3.7
Basic Dimensions	4.4	Lift height	h_3 (mm)	125	4.4
	4.9	Tiller height in travel direction min./ max.	h_{14} (mm)	1130/1400	4.9
	4.15	Lowered height	h_{13} (mm)	85	4.15
	4.19	Total length	l_1 (mm)	1873/1938[2)]	4.19
	4.20	Total width	l_2 (mm)	723/788[2)]	4.20
	4.21	Length incl. back of forks	b_1/b_2 (mm)	770	4.21
	4.22	Fork dimensions	s/e/l (mm)	55/170/1150	4.22
	4.25	Width over forks	b_5 (mm)	510/540/670	4.25
	4.32	Floor clearance centre wheelbase	m_2 (mm)	30	4.32
	4.33	Working aisle width with pallet 1000x1200 transverse	Ast (mm)	2089/2154[3)]	4.33
	4.34	Working aisle width with pallet 800x1200 lengthways	Ast (mm)	2139/2204[4)]	4.34
	4.35	Turning radius	Wa (mm)	1613/1678[1)]	4.35
Performance Data	5.1	Travel speed with/without load	km/h	8,5/10	5.1
	5.2	Lift speed with/without load	m/s	0,04/0,05	5.2
	5.3	Lowering speed with/without load	m/s	0,065/0,04	5.3
	5.8	Max. gradient performance with/without load	%	8/15	5.8
	5.10	Parking brake		tiller	5.10
E.-Motor	6.1	Drive motor performance S2 60 min	kW	2,0	6.1
	6.2	Lift motor performance at S3 15%	kW	2,0	6.2
	6.3	Battery in line with DIN 43531/35/36 A, B, C, no		B	6.3
	6.4	Battery voltage, rated capacity K5	V/Ah	24/345 (375)	6.4
	6.5	Battery weight	kg	288	6.5
Other Details	8.1	Type of drive control		impulse	8.1

1) load section lowered: +90 mm
2) with folded down platform: +390 mm, with fixed platform: +460 mm
3) load section lowered: +90 mm; diagonal according to VDI: +337 mm
4) load section lowered: +90 mm; diagonal according to VDI: +190 mm

This specification sheet according to VDI regulations 2198 only provides technical values for the standard truck.
Non-standard tyres,different masts,additional equipment,etc.could produce other values.

1888-GB/03-21/10

Application

The WN 20 S is ideally suited for loading / offloading lorries and for long distance operations.

Handling

The tiller ensures fatigue-free operation through its optimum grip angle. All operating components are easily accessible without awkward reaching round and are logically arranged. Shape and dimensions of the tiller head provide optimum protection in every situation.

Control instruments

Wide-ranging control instruments provide the operator with the assurance of having everything in sight at all times. This also includes the information display "CanDis" (optional) with additional operating hour display and Service code memory as well as the "CanCode function" for activating the truck via PIN or adjusting travel parameters (both optional).

Stand-on operation

The cushioned protective side supports provide travel comfort and safety as does the sprung, foldable stand-on platform (fixed stand-on platform optional) with non-slip coating.

Design

The enclosed truck contours and robust frame offer maximum protection for operators, truck and surroundings. The side support rollers always remain within the truck contours. The shape of the fork tips facilitates easy transverse entry over the bottom pallet boards. The low chassis offers unrestricted visibility towards the fork tips in every operating position.

Drive

The impulse control Speed Control provides precise travel speed adjustment, roll-back protection on ramps and load-independent top speed. Speed Control ensures that the truck does not push forward during regenerative braking.

Chassis

The stability improvement system Pro-Trac Link ensures high stability, optimum traction and braking effect and prevents the support wheels from oscillating or bouncing on uneven floors.

Braking

The load-dependent braking system ensures precisely measured braking power and thus facilitates safe and soft braking, particularly during stand-on operation.

Service

Large, simple to remove panels facilitate easy access to all components.

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