

# OPL25N

## Low-level Order picker

OPL25N is a low-level order picker that has strong power and better stability when increasing or decreasing speed thanks to the German AC drive and Italian Controller. Plus its electric steering system and German REMA multi-functional handle make it has high working efficiency and driving comfort.

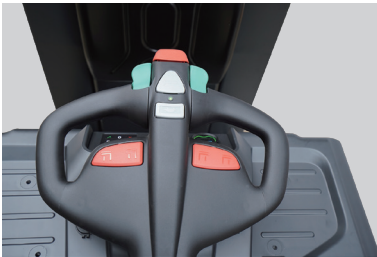
4 point structure floating shock absorption platform and rubber pads minimize the vibration. The ergonomically curved backrest can efficiently avoid driver's fatigue; Sideways battery design allows quick and easy replacement in multi shifts working.

Fully upgraded features make picking easier and more efficient and it provides various optional configurations such as extension bracket, caution light, blue light, entry rollers, storage tray, double USB charging port. etc.





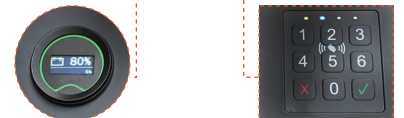
## Display whole truck condition information via control instrument and multifunctional handle



**German REMA multifunctional handle**  
 Reliable and ergonomically designed REMA handle' each button can be easily reached and controlled, which makes driving more comfortable.



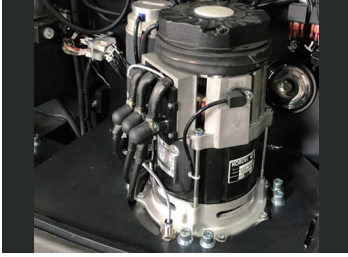
**USB charging port**  
 Double USB charging port power up more equipment.



The multifunctional control instrument can display truck conditions, battery capacity, working time, travel speed, and steering angle. When something goes wrong, the outer ring light of the instrument will turn to red from blue.

The standard pin code switch can set multiply start passwords, the ID card is also supported to start the truck.

## Robust and durable structure, high power and efficient driving technology



### German AC drive technology

AC drive system performs perfectly thanks to its high power maintenance-free German Schabmuller AC drive motor and KORDEL gearbox while smoothly increasing or decreasing speed.



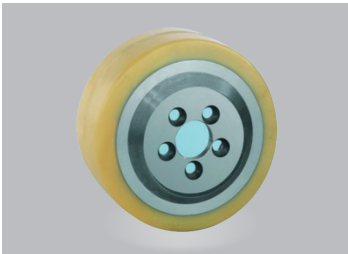
### Italian ZAPI Controller

Provide clients with reliable, flexible and high-performance control system solution as adopting Italian ZAPI drive controller.



### High power and performance pump

Make lift easier and efficient by using high power and performance pump.



German drive wheel ring has a long service life, high load, and is not easy to wear.



German load wheel has a long service life but a lower cost.

The reinforced welded fork is more robust and durable. Adopting adjustable trolley design in lifting that makes height adjustment and maintenance easier and convenient.

← optional warning light



## Well-designed and easy to maintain



Sideways battery exchange compartment plus adjustable handling bracket makes battery replacement easier and quicker.



The upper adjustable balance wheel can realize the easy adjustment of the balance wheel.



A variety of extension supports are available to meet the installation requirements of different extension equipment, such as WMS display, barcode scanner, storage tray, file plywood, etc.



The jog button on both sides of the truck allows the operator to operate truck forward/ backward or lift the fork while walking beside. There is no need for the operator to get in and out of the truck frequently to operate it. That greatly improved the picking efficiency and operation safety by reducing the speed controlled by the jog button.



Easier to entry Australian pallet with entry rollers.

## Safe and comfortable, easy storage



The standard blue light does not only automatically lit while the truck forwarding but also follows the handle to turn while the truck turns. It greatly improves the safety of the operation.

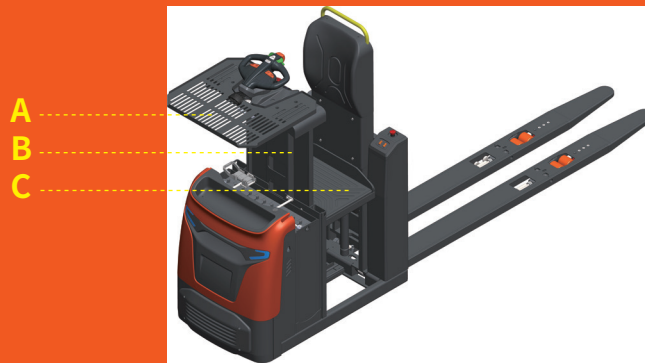


Safety flanks and non-slip surface materials on both sides of the backrest ensure the operator not to be thrown off while the truck turns at high speed. This design greatly improves the safety of driving. Meanwhile, the handle above the backrest provides a grasping point for the operator when get up or down the truck, provides superior comfort for the operator.



Large storage tray can be used for storing stretch film, art knife, marker pen, or other tools.

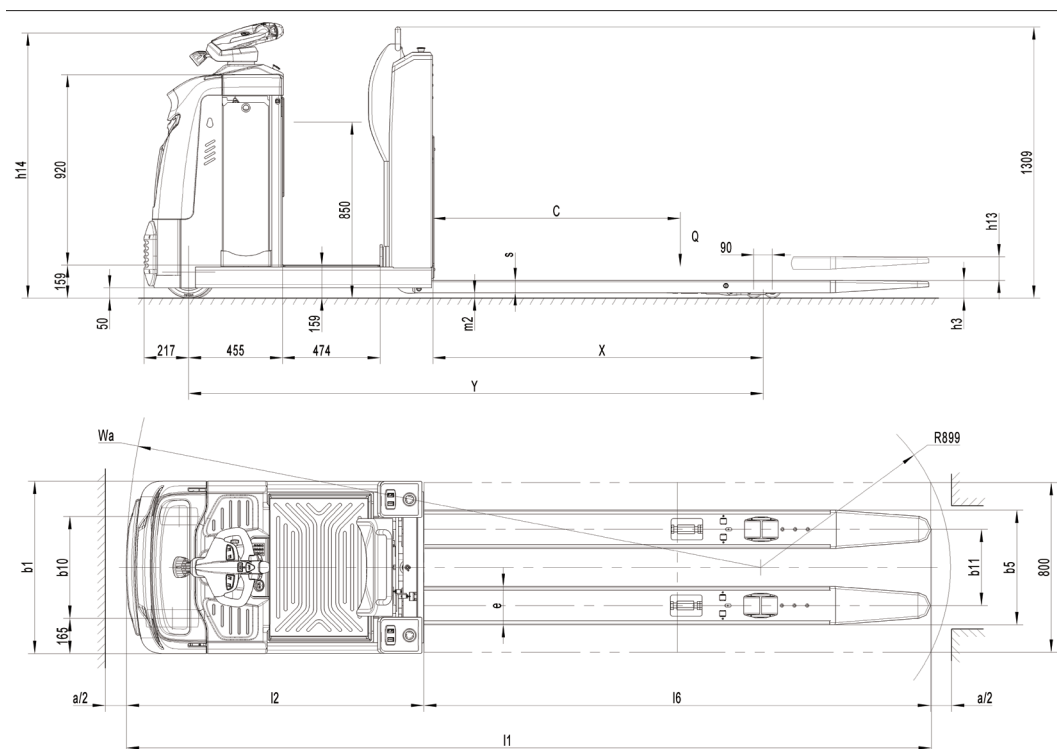
## Other optional parts



**A:** The storage platform used with the lifting operation platform allows putting or retrieving more cargo and make work more efficient.

**B:** The operation platform can be lifted to the second rack which allows picking or retrieving more efficient.

**C:** Operating platform descent by using footswitch releases the hands to make more work.



Sheet 2. Fork specification

l	C	X	Y	l1	Ast	Wa
1150	600	817	2003	2520	2960	2245
1200	600	882	2068	2585	2983	2310
1600	800	1267	2453	2970	3410	2695
2400	1200	1535	2723	3770	3970	2965

## Type sheet for industrial truck acc. to VDI 2198 1KG=2.2LB 1INCH=25.4MM

### Identification

1.2	Manufacturer's type designation		OPL25N
1.3	Drive		Battery
1.4	Operator type		Order-pucker
1.5	Load Capacity / rated load	Q (t)	2.5
1.6	Load centre distance	c (mm)	See Sheet 2
1.8	Load distance ,centre of drive axle to fork	x (mm)	See Sheet 2 <sup>1)</sup>
1.9	Wheelbase	y (mm)	See Sheet 2 <sup>2)</sup>

### Weights

2.1	Service weight	kg	968
2.2	Axle loading, laden front/rear	kg	1290 / 2530
2.3	Axle loading, unladen front/rear	kg	980 / 340

### Wheels, Chassis

3.1	Tires		PU
3.2	Tire size,front	Øx w (mm)	Ø 250×80
3.3	Tire size,rear	Øx w (mm)	Ø 82×82
3.4	Additional wheels(dimensions)	Øx w (mm)	Ø 180×80
3.5	Wheels,number front/rear(x=driven wheels)		1+1x/4
3.6	Tread, front	b10 (mm)	480
3.7	Tread, rear	b11 (mm)	360   505

### Basic Dimensions

4.4	Lift	h3(mm)	115
4.9	Height of tiller in drive position min./ max.	h14 (mm)	1280
4.15	Height, lowered	h13 (mm)	85
4.19	Overall length	l1 (mm)	See Sheet 2 <sup>2)</sup>
4.20	Length to face of forks	l2 (mm)	1370 <sup>2)</sup>
4.21	Overall width	b1 (mm)	810
4.22	Fork dimensions	s/e/l (mm)	60/180/ See Sheet 2
4.25	Width across forks	b5 (mm)	540   685
4.32	Ground clearance, centre of wheelbase	m2 (mm)	25
4.34	Aisle width for pallets800X1200 lengthways	Ast (mm)	See Sheet 2 <sup>3)4)</sup>
4.35	Turning radius	Wa (mm)	See Sheet 2 <sup>3)</sup>

### Performance Data

5.1	Travel speed, laden/ unladen	km/h	9 / 12
5.2	Lift speed, laden/ unladen	mm/s	40 / 64
5.3	Lowering speed, laden/ unladen	mm/s	60 / 40
5.8	Max. gradeability, laden/ unladen	%	6 / 12
5.10	Service brake		regenerative

### E-Motor

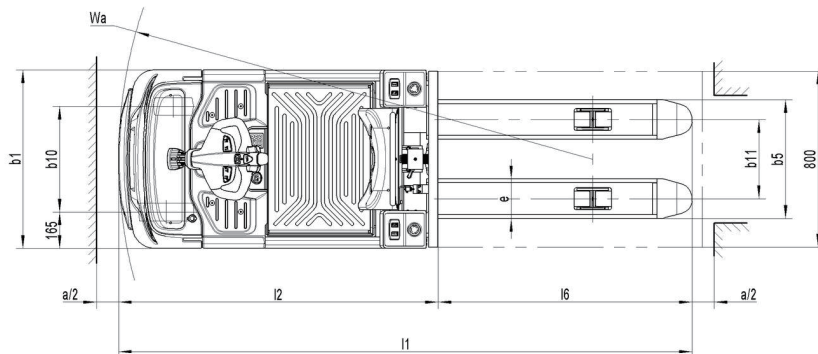
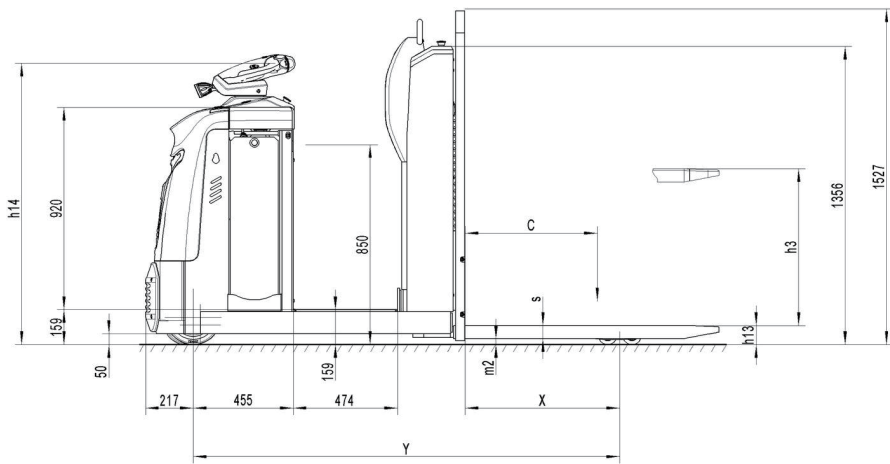
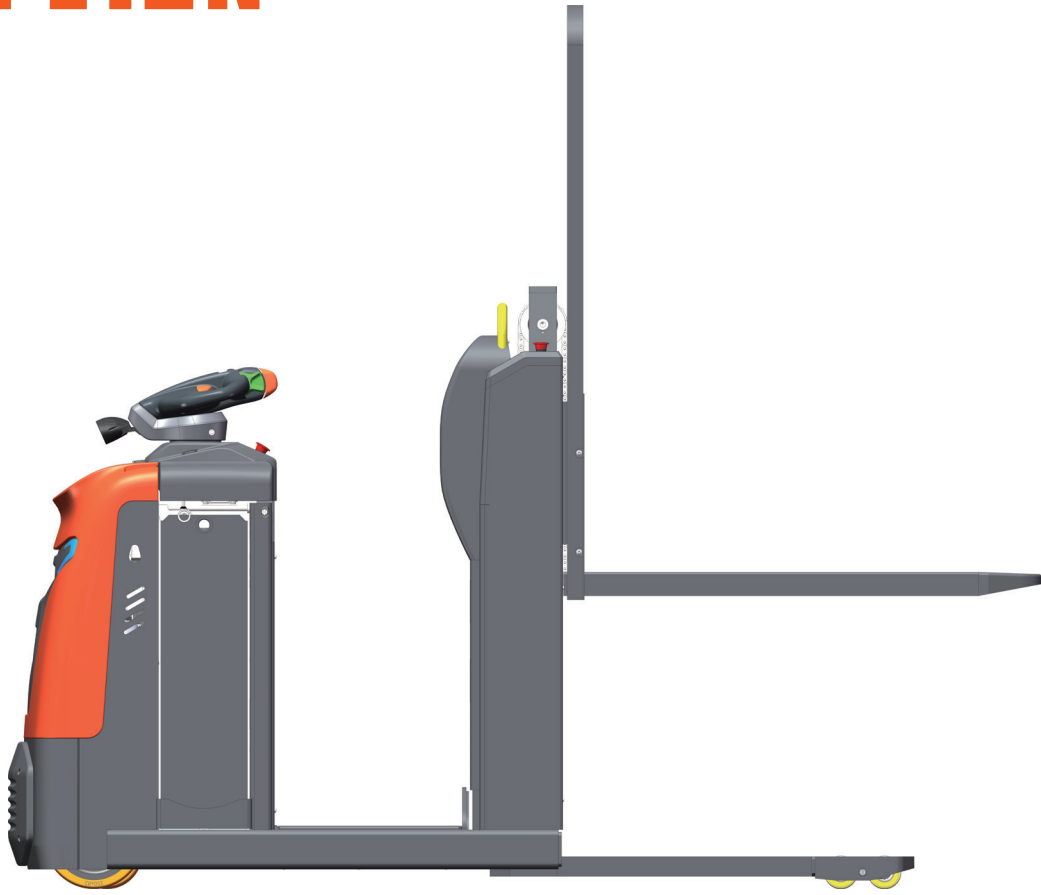
6.1	Drive motor rating S2 60min	kW	2.6
6.2	Lift motor rating at S3 10%	kW	2.2
6.3	Battery acc. to DIN 43531/ 35/ 36 A, B, C, no		No
6.4	Battery voltage, nominal capacity K5	V / Ah	24 / 465
6.5	Battery weight	kg	352
6.6	Energy consumption acc. to VDI cycle	kWh/h	0.7

### Other Details

8.1	Type of drive control		AC speed Control
8.4	Sound level at driver's ear acc. to EN 12053	dB(A)	<70
8.6	Steering	dB(A)	Electric steering

- 1) With lowered fork X= value +65mm,Y= value +65mm; 2) With bumper l1= value +40mm,l2= value +40mm;  
 3) With bumper Wa= value +40mm,Ast= value +40mm; 4) Diagonal in accordance with VDI, Ast=value +94mm.

# OPL12N



## Type sheet for industrial truck acc. to VDI 2198 1KG=2.2LB 1INCH=25.4MM

### Identification

1.2	Manufacturer's type designation		OPL12N
1.3	Drive		Battery
1.4	Operator type		Order-pucker
1.5	Load Capacity / rated load	Q (t)	1.2
1.6	Load centre distance	c (mm)	600
1.8	Load distance ,centre of drive axle to fork	x (mm)	702
1.9	Wheelbase	y (mm)	1940

### Weights

2.1	Service weight	kg	900
2.2	Axle loading, laden front/rear	kg	910 / 1532
2.3	Axle loading, unladen front/rear	kg	813 / 429

### Wheels, Chassis

3.1	Tires		Polyurethane(PU)
3.2	Tire size,front	Øx w (mm)	Ø 250×80
3.3	Tire size,rear	Øx w (mm)	Ø 82×82
3.4	Additional wheels(dimensions)	Øx w (mm)	Ø 180×80
3.5	Wheels,number front/rear(x=driven wheels)		1+1x/4
3.6	Tread, front	b10 (mm)	480
3.7	Tread, rear	b11 (mm)	360

### Basic Dimensions

4.4	Lift	h3(mm)	720
4.9	Height of tiller in drive position min./ max.	h14 (mm)	1280
4.15	Height, lowered	h13 (mm)	87
4.19	Overall length	l1 (mm)	2570 <sup>1)</sup>
4.20	Length to face of forks	l2 (mm)	1414 <sup>1)</sup>
4.21	Overall width	b1 (mm)	810
4.22	Fork dimensions	s/e/l (mm)	60/180/1150
4.25	Width across forks	b5 (mm)	540
4.32	Ground clearance, centre of wheelbase	m2 (mm)	25
4.34	Aisle width for pallets800X1200 lengthways	Ast (mm)	2812 <sup>2)3)</sup>
4.35	Turning radius	Wa (mm)	2115 <sup>2)</sup>

### Performance Data

5.1	Travel speed, laden/ unladen	km/h	9 / 12
5.2	Lift speed, laden/ unladen	m/s	95/110
5.3	Lowering speed, laden/ unladen	m/s	80/60
5.8	Max. gradeability, laden/ unladen	%	6 / 12
5.10	Service brake		Eletromagnetic

### E-Motor

6.1	Drive motor rating S2 60min	kW	2.6
6.2	Lift motor rating at S3 10%	kW	2.2
6.3	Battery acc. to DIN 43531/ 35/ 36 A, B, C, no		No,3PzS
6.4	Battery voltage, nominal capacity K5	V / Ah	24 / 465
6.5	Battery weight	kg	352
6.6	Energy consumption acc. to VDI cycle	kWh/h	0.5

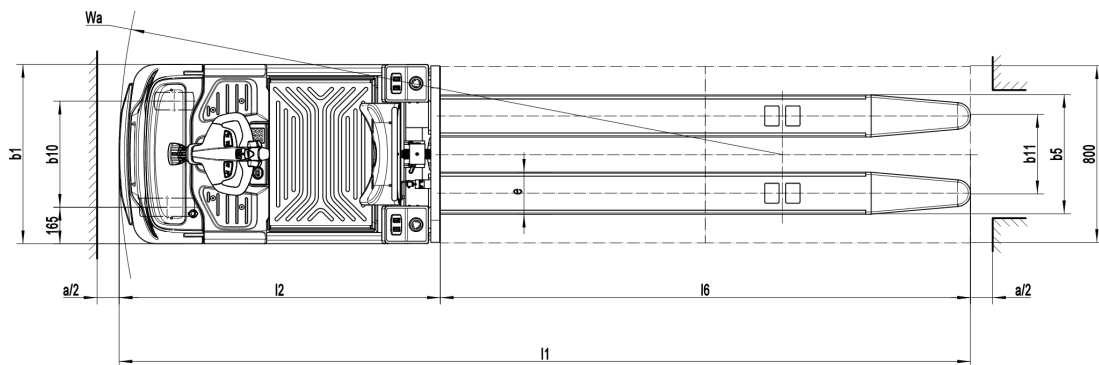
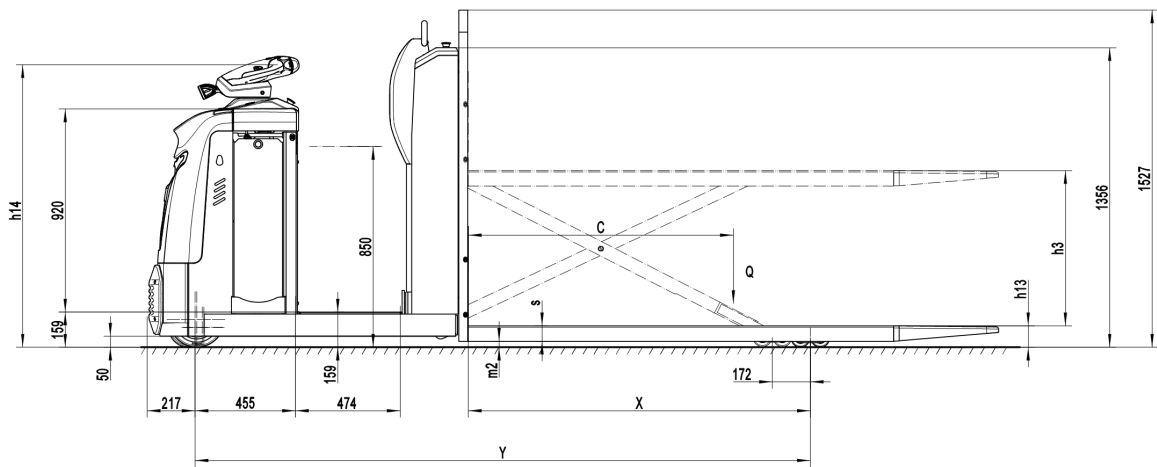
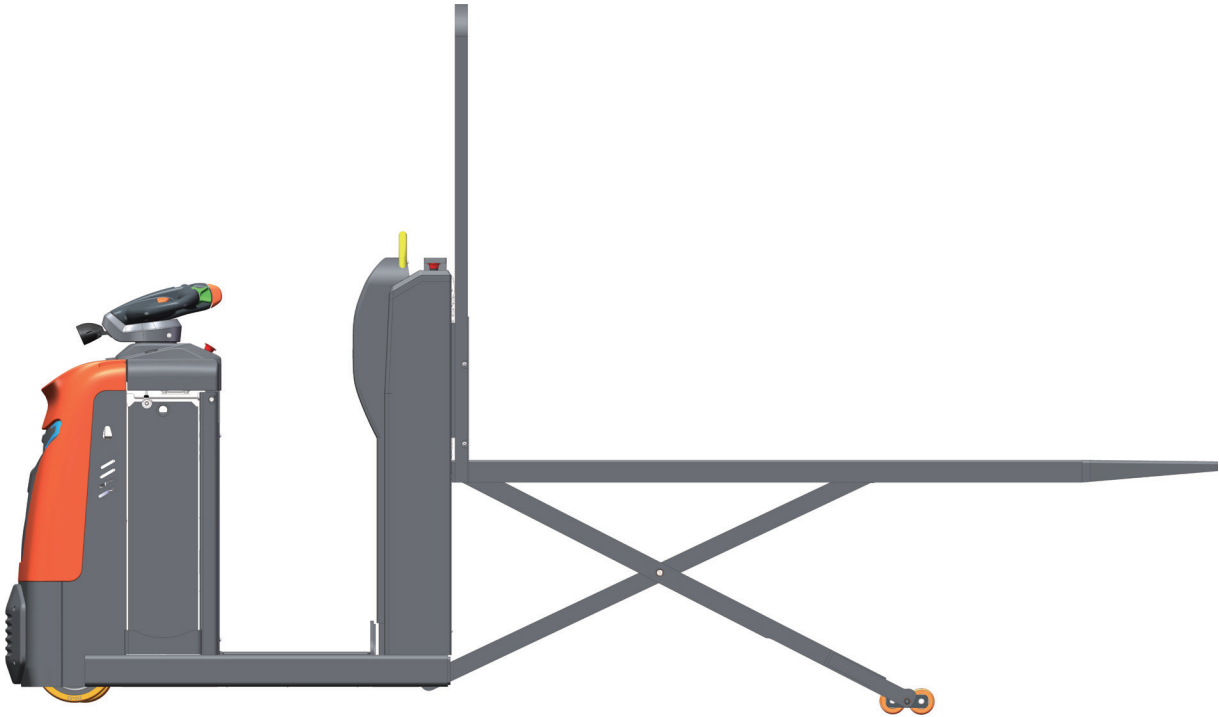
### Other Details

8.1	Type of drive control		AC speed Control
8.4	Sound level at driver's ear acc. to EN 12053	dB(A)	<70
8.6	Steering		Electric steering

- 1) With bumper l1=2610mm, l2=1454;  
 2) With bumper Wa=2155mm, Ast=2852mm;  
 3) According to the VDI diagonal algorithm Ast=original measurement+140mm.



# OPL20SF



## Type sheet for industrial truck acc. to VDI 2198

### Identification

1.2	Manufacturer's type designation		OPL20SF
1.3	Drive		Battery
1.4	Operator type		Order-pucker
1.5	Load Capacity / rated load	Q (t)	2.0
1.6	Load centre distance	c (mm)	1200
1.8	Load distance ,centre of drive axle to fork	x (mm)	1550
1.9	Wheelbase	y (mm)	2786

### Weights

2.1	Service weight	kg	1120
2.2	Axle loading, laden front/rear	kg	1240 / 2250
2.3	Axle loading, unladen front/rear	kg	1020 / 470

### Wheels, Chassis

3.1	Tires		Polyurethane(PU)
3.2	Tire size,front	Øx w (mm)	Ø 250×80
3.3	Tire size,rear	Øx w (mm)	Ø 82×82
3.4	Additional wheels(dimensions)	Øx w (mm)	Ø 180×80
3.5	Wheels,number front/rear(x=driven wheels)		1+1x/4
3.6	Tread, front	b10 (mm)	480
3.7	Tread, rear	b11 (mm)	360

### Basic Dimensions

4.4	Lift	h3(mm)	710
4.9	Height of tiller in drive position min./ max.	h14 (mm)	1280
4.15	Height, lowered	h13 (mm)	90
4.19	Overall length	l1 (mm)	3814 <sup>1)</sup>
4.20	Length to face of forks	l2 (mm)	1414 <sup>1)</sup>
4.21	Overall width	b1 (mm)	810
4.22	Fork dimensions	s/e/l (mm)	70/190/1150
4.25	Width across forks	b5 (mm)	540
4.32	Ground clearance, centre of wheelbase	m2 (mm)	25
4.34	Aisle width for pallets800X1200 lengthways	Ast (mm)	4014 <sup>2)3)</sup>
4.35	Turning radius	Wa (mm)	2964 <sup>3)</sup>

### Performance Data

5.1	Travel speed, laden/ unladen	km/h	9 / 12
5.2	Lift speed, laden/ unladen	m/s	85/125
5.3	Lowering speed, laden/ unladen	m/s	100/90
5.8	Max. gradeability, laden/ unladen	%	6 / 12
5.10	Service brake		Eletromagnetic

### E-Motor

6.1	Drive motor rating S2 60min	kW	2.6
6.2	Lift motor rating at S3 10%	kW	2.2
6.3	Battery acc. to DIN 43531/ 35/ 36 A, B, C, no		No,3PzS
6.4	Battery voltage, nominal capacity K5	V / Ah	24 / 465
6.5	Battery weight	kg	352
6.6	Energy consumption acc. to VDI cycle	kWh/h	0.6

### Other Details

8.1	Type of drive control		AC speed Control
8.4	Sound level at driver's ear acc. to EN 12053	dB(A)	<70
8.6	Steering		Electric steering

1) With bumper l1=3854mm, l2=1454;

2) With bumper Wa=3003mm, Ast=4014mm;

3) According to the VDI diagonal algorithm Ast=original measurement+88mm.