



# EPT20-RAP

## EPT20-RAP

2000 kg 120 mm 24 V Lead acid



Ideal for high-throughput warehouses, distribution centers, and retail logistics, the EPT20-RAP optimizes low-level order picking and pallet transport. Its standing operator platform ensures easy mounting and visibility, while its compact dimensions and 2390 mm turning radius allow effortless maneuvering in narrow aisles. Optional configurations such as double or single load wheels, patterned PU drive wheels, and side battery extraction adapt it to different operational needs.

SPECIFICATION	REF	UNIT	VALUE
Battery type			Lead acid
Battery nominal capacity K5		Ah	360
Battery voltage		V	24
Rated capacity	Q	kg	2000
Load centre distance	c	mm	600
Service weight		kg	940
Lift	h <sub>3</sub>	mm	120
Overall length	l <sub>1</sub>	mm	2516
Overall width	b <sub>1</sub> /b <sub>2</sub>	mm	800
Length to face of forks	l <sub>2</sub>	mm	1366
Fork dimensions	s/e/l	mm	55/170/1150
Turning radius	Wa	mm	2348
Manufacturer			EP
Model designation			EPT20-RAP
Drive			Electric
Operator type			Stand-on

# Features

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## High-efficiency AC drive system

The EPT20-RAP's AC drive motor delivers powerful acceleration and smooth control, reaching speeds up to 12 km/h unladen. Its vertical gearbox and hydraulic cylinder design enhance reliability and minimize maintenance requirements.



## Electronic Power Steering (EPS)

The EPS system provides effortless maneuverability and precise steering response, reducing operator fatigue during long shifts and ensuring easy control in tight warehouse spaces.

## Operator safety and comfort

A safety foot switch, automatic braking, and emergency disconnect protect the operator from mishandling or uncontrolled movement. The spacious standing platform, cushioned backrest, and ergonomic tiller design enhance operator comfort throughout the day.



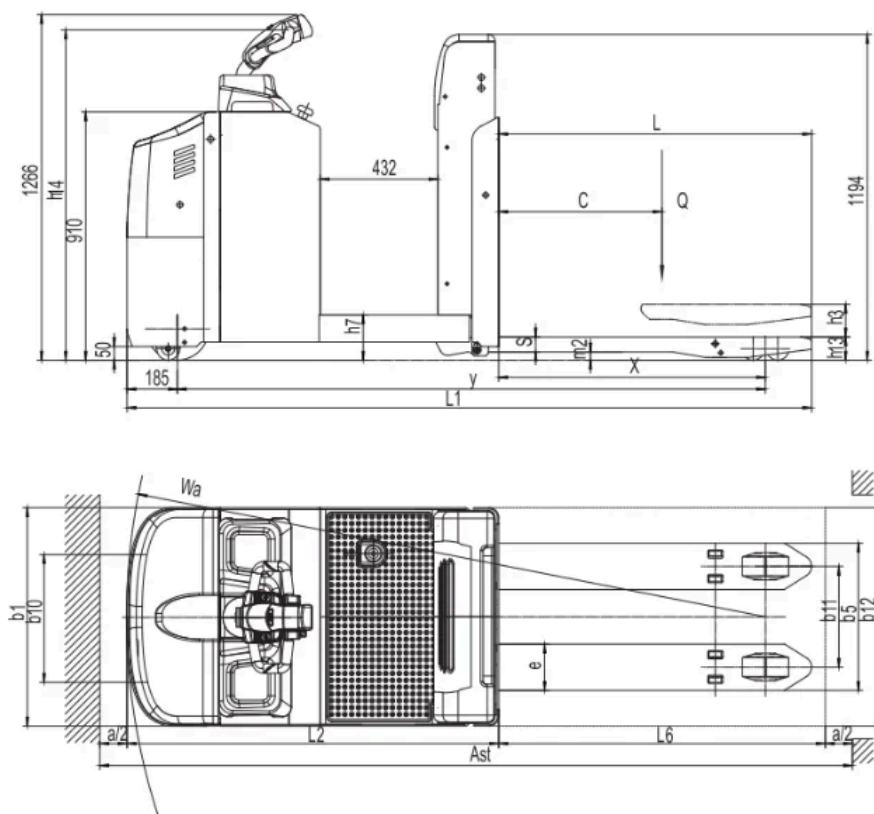
## Easy maintenance and flexible configuration

The side-opening battery compartment simplifies battery replacement and service access. Optional side-pull trolley, PU or rubber drive wheels, and different fork dimensions make the EPT20-RAP adaptable to varied logistics applications.

# VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			EPT20-RAP
1.3	Drive			Electric
1.4	Operator type			Stand-on
1.5	Rated capacity	Q	kg	2000
1.6	Load centre distance	c	mm	600
1.8	Load distance, centre of drive axle to fork	x	mm	980
1.9	Wheelbase	y	mm	2161
2.1	Service weight		kg	940
2.2	Axle loading, laden front/rear		kg	1200/1740
2.3	Axle loading, unladen front/rear		kg	780/160
3.1	Tyres			PU
3.2	Tyre size, front		mm	230x90
3.3	Tyre size, rear		mm	85x70
3.4	Additional wheels (castor wheels)		mm	180x65
3.5	Wheels, number front/rear (x=drive wheels)			1x +1/4/1x +1/2
3.6	Tread width, front	b <sub>10</sub>	mm	468
3.7	Tread width, rear	b <sub>11</sub>	mm	370/515
4.2.1	Overall height		mm	1220
4.4	Lift	h <sub>3</sub>	mm	120
4.9	Height drawbar in driving position min./max.	h <sub>14</sub>	mm	1220
4.15	Height, lowered	h <sub>13</sub>	mm	85
4.16	Length of loading surface			1366
4.19	Overall length	l <sub>1</sub>	mm	2516
4.20	Length to face of forks	l <sub>2</sub>	mm	1366
4.21	Overall width	b <sub>1</sub> /b <sub>2</sub>	mm	800
4.22	Fork dimensions	s/e/l	mm	55/170/1150
4.25	Distance between fork-arms	b <sub>5</sub>	mm	540/685
4.32	Ground clearance, centre of wheelbase	m <sub>2</sub>	mm	30
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2568
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2768
4.35	Turning radius	wa	mm	2348

	SPECIFICATION	REF	UNIT	VALUE
5.1	Travel speed, laden/unladen		km/h	8/13
5.2	Lift speed, laden/unladen		m/s	0.025/0.021
5.3	Lowering speed, laden/unladen		m/s	0.026/0.034
5.8	Max. gradeability, laden/unladen		%	9/12
5.10	Service brake			electromagnetic
5.11	Parking brake			electromagnetic
6.1	Drive motor rating S2 60 min		kW	2.5
6.2	Lift motor rating at S3 15%		kW	2.2
6.4	Battery nominal capacity K5		Ah	360
6.4	Battery voltage		V	24
6.4.1	Battery type			Lead acid
6.5	Battery weight		kg	330
6.6	Energy consumption according to DIN EN 16796		kWh/h	0.344
6.7	Turnover output according to VDI 2198			137.43
6.8	Turnover efficiency according to VDI 2198			156.77
8.1	Type of drive unit			AC
10.5	Steering design			Electronic
10.7	Sound pressure level at the driver's seat		dB(A)	74



## Options

ITEM	OPTIONS (optional items marked in yellow)
Fork lowered height	85
Load wheel type	Double   Single
Load wheel material	PU
Drive wheel material	PU   Patterned PU   Ruber
Battery capacity	360Ah (Lead acid)   280Ah (Lead acid)   210Ah (Lead acid)
Charger	24V-50 External (Lead-acid)   24V-30A External (Lead acid)
Battery display indicator (BDI)	With time
Castor wheels	Yes and not customized
Water auto-filling system	No   Yes and not customized
Fork width	540/685
Fork length	1150   850/1000/1220/1300/1450/1600/1800 /2000/2200/2400