

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
Manufacturer			EP
Model designation			EPT20-RAP
Battery voltage		V	24
Rated capacity	Q	kg	2000
Load centre distance	c	m	600
Service weight		m	940
Lift	h ₃	kg	120
Overall length	l1	m	2516
Overall width	b1/b ₂	$\frac{m}{m}$	800
Length to face of forks	l2	$\frac{m}{m}$	1366
Fork dimensions	s/e/l	$\frac{m}{m}$	55/170/1150
Turning radius	Wa	m	2348
Drive		m	Electric
Operator type		m	Stand-on
Load distance, centre of drive axle to fork	x	m	980
Wheelbase	y	$\frac{m}{m}$	2161
		m	
		m	

Features

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

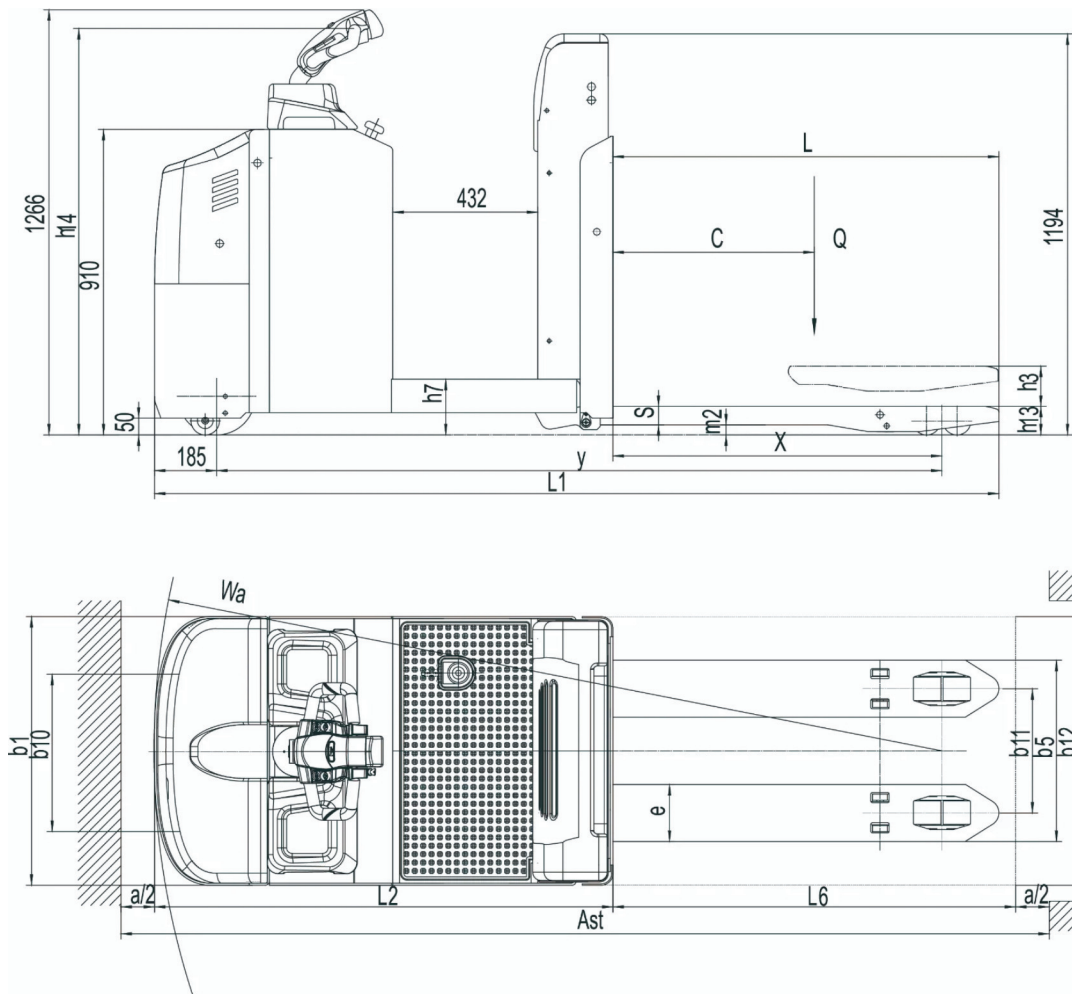
SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer		EP

SPECIFICATION		REF	UNIT	VALUE	EPT20-
1.2	Model designation			RAP	
1.3	Drive			Electric	
1.4	Operator type			Stand-on	
1.5	Rated capacity	Q	kg	2000	
1.6	Load centre distance	c	m	600	
1.8	Load distance, centre of drive axle to fork	x	m	980	
1.9	Wheelbase	y	m	2161	
2.1	Service weight		m	940	
2.2	Axle loading, laden front/rear		m	1200/1740	
2.3	Axle loading, unladen front/rear		m	780/160	
3.1	Tyres		kg	PU	
3.2	Tyre size, front		kg	230x90	
3.3	Tyre size, rear		kg	85x70	
3.4	Additional wheels (castor wheels)		m	180x65	
3.5	Wheels, number front/rear (x=drive wheels)		m	1x +1/4/1x +1/2	
3.6	Tread width, front	b ₁₀	mm	468	
3.7	Tread width, rear	b ₁₁	mm	370/515	
4.2.1	Overall height		m	1220	
4.4	Lift	h ₃	m	120	
4.9	Height drawbar in driving position min./max.	h ₁₄	m	1220	
4.15	Height, lowered	h ₁₃	m	85	
4.1	Length of loading surface		m	1366	
6	Overall length	l ₁	mm	2516	
4.10	Length to face of forks	l ₂	m	1366	
9 4.2.1	Overall width	b ₁ /b ₂	m	800	
4.2	Fork dimensions	s/e/l	m	55/170/1150	
2	Distance between fork-arms	b ₅	m	540/685	
4.3 4.3.2	Ground clearance, centre of wheelbase	m ₂	mm	30	
5 4.34.1	Aisle width for pallets 1000x1200 crossways	A _{st}	mm	2568	
4.34.2	Aisle width for pallets 800 x 1200 lengthways	A _{st}	mm	2768	
4.35	Turning radius	W _a	mm	2348	
5.1	Travel speed, laden/unladen		km/	8/13	
5.2	Lift speed, laden/unladen		h	0.025/0.021	
5.3	Lowering speed, laden/unladen		m/s	0.026/0.034	
			m/s		

SPECIFICATION	REF	UNIT	VALUE
5.8	Max. gradeability, laden/unladen	%	9/12
5.1	Service brake		electromagnetic
0	Parking brake		electromagnetic
5.1	Drive motor rating S2 60 min	kW	2.5
1	Lift motor rating at S3 15%	kW	2.2
6.4.1	Battery voltage	V	24
6.4.2	Battery nominal capacity K5	Ah	360
6.4.3	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.	Steering design		Electronic
5	Sound pressure level at the driver's seat	dB(A)	74
10.			

Subject to modification of specifications and designs without prior notice as part of continuous product improvement. Images and technical data shown may include optional features and are provided for reference only. All dimensions are subject to standard manufacturing tolerances.

VDI Drawing



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 indicator	With time
Castor wheels	Yes and not customized
Water auto-filling system	No Yes and not customized
Fork width	540/685

ITEM

OPTIONS (optional items marked in yellow)

Fork length

1150 | 850/1000/1220/1300/1450/1600/1800 /2000/2200/2400