



EPT20-RAP

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 2000 kg  24 V



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 nominal capacity		Ah	360
Battery voltage		V	24
Load capacity	Q	kg	2000
Load centre distance	c	mm	600
Service weight		kg	940
Overall length		mm	2516
Overall width	b ₁ /b ₂	mm	800
Length to face of forks	I ₂	mm	1366
Fork dimensions	s/e/l	mm	55/170/1150
Turning radius		Wa	2348
Operator type			stand-on
Load distance, centre of drive axle to fork		mm	980
Wheelbase		mm	2161
Axle loading, laden front/rear		kg	1200/1740
Axle loading, unladen front/rear		kg	780/160
Tyre type			PU

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
1.4	Operator type			stand-on
1.5	Load capacity	Q	kg	2000
1.6	Load centre distance	c	mm	600
1.8	Load distance, centre of drive axle to fork		mm	980
1.9	Wheelbase		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	Tyre type			PU
3.2	Tyre size, front			230x90
3.3	Tyre size, rear			85x70
3.5	Additional wheels (castor wheels)			180x65
3.5	Wheels, number front/rear (x=drive wheels)			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
4.15	Lowered height			85
4.19	Overall length		mm	2516
4.20	Length to face of forks	I ₂	mm	1366
4.21	Overall width	b ₁ /b ₂	mm	800
4.22	Fork dimensions	s/e/l	mm	55/170/1150
4.25	Distance between fork-arms			540/685
4.32	Ground clearance, centre of wheelbase		mm	30
4.34.1	Aisle width for pallets 1000×1200 crossways		Ast	2568
4.34.2	Aisle width for pallets 800×1200 lengthways		Ast	2768
4.35	Turning radius		Wa	2348
4.9	Height of tiller handle in drive position min./max.			1220
5.1	Travel speed, laden/unladen		km/h	8/13
5.10	Service brake			electromagnetic
5.2	Lifting 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
6.1	Drive motor rating S2 60 min		kW	2.5

Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	685*1150 685* (850、1000、1220、1300、1450、1600、1800、2000、2200) 540* (850、1000、1150、1220、1300、1450、1600、1800、2000、2200、2400)
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 length	1150
Fork width	170