

XS20RAS

Heavy load stacked AMR

Product features

Heavy load capacity

Docking with various automation equipment



Basic parameters	1.1	Manufacturer			EP
	1.2	Model designation			XS2-20RAS
	1.3	Drive			Electric
	1.4	Operator type			Pedestrian
	1.5	Load capacity	Q	kg	1600/2000
	1.6	Service weight		kg	1360
	1.7	Navigation			Slam/Reflector
	1.8	Communication			Wi-fi + 5G
	1.9	Positioning accuracy		mm	±10
	1.10	Indoor/Outdoor			Indoor
Battery parameters	2.1	Battery voltage/nominal capacity		V/Ah	24/205
	2.2	Battery type			Li-ion battery
	2.3	Battery weight		kg	62
	2.4	Usage time		h	8-9
Size	3.1	Dimensions	l1/b1/h1	mm	2230/1140/2180 (L*W*H)
	3.2	Load centre distance	c	mm	600
	3.3	Load length	x	mm	735
	3.4	Wheelbases	y	mm	1441
	3.5	Fork vertical length	l2	mm	1080
	3.6	Fork dimensions	s/e/l	mm	60/190/1150
	3.7	Outer width of forks	b5	mm	570/600/685
	3.8	Height with forks lowered	h13	mm	86
	3.9	Lifting height	h3	mm	3000
	3.10	Forward distance	l4	mm	-
Other parameters	4.1	Travel speed, laden/unladen		m/s	1/1.5
	4.2	Max. gradeability, laden/unladen		%	6/10
	4.3	cross-ditch ability		mm	≤20
	4.4	turning radius	Wa	mm	1865
Channel requirements	5.1	Straight forward and backward (with standard shelves) width	Ast	mm	1740
	5.2	Right-angle turn (with standard shelves) width	Ast	mm	2300
	5.3	Width of unilateral pick-up and unloading	Ast	mm	3228
Safety	6.1	Emergency stop button			Two sides
	6.2	Voice and light			Voice + Light warning
	6.3	Front protection			Lidar + 3D camera
	6.4	Back protection			Fork-tip photoelectricity + Physical bumper
	6.5	Physical bumper			Front + two sides
	6.6	Pallet in-place detection switch			Fork bottom
Option list	7.1	Battery			●24/205Ah
	7.2	Charger			●24V-50A Manual ○24V/100A Manual
	7.3	Warning light			●Turn light ●Warning light
	7.4	Front protection			●Double lidar,270° ●3D Camera
	7.5	Rear protection			●Fork-tip photoelectricity ○Fork root camera ○Fork root Lidar
	7.6	Interaction method			●Screen ○Buttons
	7.7	Docking with other devices			○Elevator ○Access door ○Call box
Auto-charge	8.1	Rated input power (50Hz)			Single-phase 220V
	8.2	Communication			WIFI
	8.3	Size		mm	622/422/1062
	8.4	Charging power			●24V/100A