



Automated Guided Vehicle System high rack stacker

EKX 514a / 516ka / 516a

Lift height: 11000-13000 mm / Capacity: 1400-1600 kg

 JUNGHEINRICH

VDI table

Stand-on: 12/2019

Characteristic	1.1	Manufacturer (abbreviated description)		Jungheinrich		
	1.2	Manufacturer's type designation		EKX 514a	EKX 516ka	EKX 516a
	1.3	Drive		Electric		
	1.4	Operation		Automatic		
	1.5	Capacity/load	Q kg	1.400	1.600	
	1.6	Load centre distance	c mm	600		
	1.8	Load distance, centre of drive axle to fork	x mm	445		
	1.9	Wheelbase	y mm	1.840	1.950	2.220
	Weights	2.1.1	Service weight (incl. battery)	kg	6.350	6.750
2.2		Axle load laden front/rear	kg	5.720 / 1.880	6.190 / 2.060	6.590 / 2.810
2.3		Axle load unladen front/rear	kg	3.850 / 2.500	3.980 / 2.770	4.480 / 3.420
Wheels/ suspension system	3.1	Tyres		Besthane		
	3.2	Tyre size, front		Ø 380 x 192		
	3.3	Tyre size, rear		Ø 400 x 160		
	3.5	Wheels, number front/back (x=driven)		2 / 1x		
Basic dimensions	4.2	Retracted mast height (h1)	h ₁ mm	2.955		
	4.4	Lift (h3)	h ₃ mm	3.500	13.000	
	4.5	Extended mast height (h4)	h ₄ mm	6.050		
	4.7	Height of overhead guard (cab)	h ₆ mm	2.550		
	4.8.1	Stand height	h ₇ mm	430		
	4.14	Stand height, elevated	h ₁₂ mm	3.930		
	4.20	Length including fork shank	l ₂ mm	3.379	3.489	3.759
	4.21	Overall width	b ₁ /b ₂ mm	1.210		
	4.22	Fork dimensions	s/e/l mm	50 / 120 / 1.200		
	4.31	Ground clearance laden under mast	m ₁ mm	80		
	4.35	Turning radius	W _a mm	2.122	2.232	2.502
4.38	Order picking height	mm	5.530			
Performance data	5.1	Travel speed laden/unladen	km/h	10.5 / 10.5	12 / 12	
	5.2	Lift speed laden/unladen	m/s	0.45 / 0.45	0.60 / 0.60	
	5.3	Lowering speed laden/unladen	m/s	0.50 / 0.50		
	5.10	Service brake		regenerative		
	5.11	Parking brake		Electric sprung-loaded		
E-motor/ Electronics	6.2	Lift motor, performance with S3	kW	25		
	6.3	Battery according to DIN 43531/35/36		3 PzS 465	4 PzS 620	6 PzS 930
	6.4	Battery voltage / nominal capacity	V / Ah	80 /		
	6.5	Battery weight	kg	1.238	1.558	2.178
Miscellaneous	8.1	Type of drive control		AC synchronous reluctance		
	10.5	Steering version		electric		
	10.7	Sound level as per EN12053, operator's ear	dB (A)	64		

- In accordance with VDI Guideline 2198 this data sheet provides details of the standard truck only. Non-standard tyres, different masts, optional equipment, etc. may result in different values.

The German production facilities in
Norderstedt, Moosburg and Landsberg
are certified.

ISO 9001
ISO 14001

Jungheinrich fork lift trucks meet
European safety requirements.



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The Jungheinrich logo, featuring a red upward-pointing arrow integrated into the letter 'J', followed by the brand name 'JUNGHEINRICH' in a bold, black, sans-serif font.