

Technical data



Series 2831(-S)

		1.1 Series	2831-EL	2831-PU (H60/70)	2831-PU (Mast H 80/90)		
Characteristics	1.2 Model	Manufacturer's identification	M 50	M 50	M 60	M 70	
	1.3 Capacity	Q at standard lift height	kg	5000	5000	6000	7000
	1.4 Loadcenter	lc = distance	mm	700	700	700	700
	1.6 Power supply	electric / Diesel / LPG		electric	electric	electric	electric
	1.7 Type of steering	V = fourway / M = multidirectional / 2 = twoway		M	M	M	M
	1.7.1 Position of seat	Q = cross / D = diagonal / L = lateral / SU = stand up		Q / D	Q / D	Q / D	Q / D
	1.8 Tyres	PU = Vulkollan / EL = elastic		EL	PU	PU	PU
	1.9 Wheels (X = powered)	number	pcs.	(10 / 2X) 6 / 2X	6 / 2X	6 / 2X	6 / 2X
	2.1 Mast	h3 = lift height standard / max.	mm	3000 - 7500	3000 - 8000	3000 - 10000	3000 - 10000
Dimensions	2.21 Fork cross section	s / b = thickness / width	mm	50 / 150	60 / 150	60 / 180	60 / 180
	2.22 Fork length	l = NB from / to	mm	600 - 2100	600 - 2100	600 - 2100	600 - 2100
	2.23 Fork tilt	standard	degree	+5 / -3	+5 / -3	+5 / -3	+5 / -3
	2.31 Overall dimensions	L = truck length	mm	2880 (3170 / 3500)	2880 (3170 / 3500)	2880 (3170 / 3500)	2880 (3170 / 3500)
	2.32	Sh = height over cabin roof "Q"	mm	2590	2610	2610	2610
	2.33	b = width to edge of forks	mm	860 - 1160	860 - 1160	930 - 1170	930 - 1170
	2.34	NB = loadbed width from / to	mm	600 - 2100	600 - 2100	600 - 2100	600 - 2100
	2.35	B = truck width (at NB 1200 mm)	mm	2060 - 2360	2060 - 2360	2130 - 2370	2130 - 2370
	2.36	Rh = loadbed height	mm	(492) 535	415	415	415
	2.37	Ra = loadbed opening	mm	1340 (1630 / 1960)	1340 (1630 / 1960)	1340 (1630 / 1960)	1340 (1630 / 1960)
2.4 Mast reach	V (at NB 1200 mm)	mm	1300	1300	1300	1300	
2.5.2 Aisle width	AST (at NB 1200 mm)	mm	2260 - 3360	2260 - 3360	2360 - 3370	2360 - 3370	
Wght	3.1 Empty weight (approx.)	incl. battery (with standard equipment)	kg	9500	9500	9500	10000
	3.2 Floor load (approx.)	incl. nominal load (static)	N/cm ²	300	560	600	620
Performance	4.1 Stability	according to CE-regulations	yes/no	yes	yes	yes	yes
	4.2.1 Speeds	travel speed with / without nominal load	km/h	11 / 11 (SU: 9 / 9)	11 / 11 (SU: 9 / 9)	11 / 11 (SU: 9 / 9)	11 / 11 (SU: 9 / 9)
	4.2.2	lifting speed with / without nominal load	m/s	0,24 / 0,28	0,24 / 0,28	0,24 / 0,28	0,24 / 0,28
	4.2.3	lowering speed with / without nominal load	m/s	0,30 / 0,25	0,30 / 0,25	0,30 / 0,20	0,30 / 0,20
	4.2.4	mast travel speed with / without nominal load	m/s	0,20 / 0,20	0,20 / 0,20	0,20 / 0,20	0,20 / 0,20
4.3.1 Ramp capability	max. with / without nominal load	%	7 / 10	10 / 13	9 / 12	9 / 12	
Wheels + tyres	5.1.1 Tyres	number load side / drive side	pcs.	(8 / 2) 4 / 2	4 / 2	4 / 2	4 / 2
	5.1.2	dimensions load wheels	mm	(360x85) 413x178	300 x 135	300 x 135	300 x 135
	5.1.3	dimensions drive wheels	mm	457 x 229	457 x 229	457 x 229	457 x 229
	5.3 Ground clearance		mm	(150) 170	75	75	75
	5.4.1 Service brakes			v. drive pedal / joystick activ. electr. plugging br. (joystick only 2131-PU)			
5.4.2 Parking brake			spring-loaded brake with electromagnetic release				
Drive unit	6.1.1 Battery	capacity	V/Ah	80V-3PzS-465Ah/80V-4PzS-620Ah/80V-5PzS-775Ah/80V-6PzS-930Ah			
	6.1.2	minimum weight	kg	1350	1350	1350	1350
	6.2.1 Electric motors	drive motor rating (s2 = 60 min)	kW	2 x 5,0	2 x 5,0	2 x 5,0	2 x 5,0
	6.2.2	lifting motor rating	kW	1 x 16,2 + 1 x 19,3	1 x 16,2 + 1 x 19,3	1 x 16,2 + 1 x 19,3	1 x 16,2 + 1 x 19,3
	6.2.3	steering motor rating	kW	1 x 5,0	1 x 5,0	1 x 5,0	1 x 5,0
	6.3.1 Electric controls	type		AC controls	AC controls	AC controls	AC controls
	6.4 Transmission	gear type		straight bevel	straight bevel	straight bevel	straight bevel
	6.5 Hydraulic pressure	for attachments	bar	180	180	180	180