

Series 2830(-S)

1.1 Series			2830-PU				2830-EL				
Characteristics	1.2 Model	Manufacturer's identification	M 30	M 35	M 40	M 45	M 30	M 35	M 40	M 45	
	1.3 Capacity	Q at standard lift height	kg	3000	3500	4000	4500	3000	3500	4000	4500
	1.4 Loadcenter	lc = distance	mm	700	700	700	700	700	700	700	700
	1.6 Power supply	electric / Diesel / LPG		electric	electric	electric	electric	electric	electric	electric	electric
	1.7 Type of steering	V = fourway / M = multidirectional / 2 = twoway		M	M	M	M	M	M	M	M
	1.7.1 Position of seat	Q = cross / D = diagonal / L = lateral / SU = stand up		Q / D / SU	Q / D / SU	Q / D / SU	Q / D / SU	Q / D / SU	Q / D / SU	Q / D / SU	Q / D / SU
	1.8 Tyres	PU = Vulkollan / EL = elastic		PU	PU	PU	PU	EL	EL	EL	EL
	1.9 Wheels (X = powered)	number	pcs.	6 / 2X	6 / 2X	6 / 2X	6 / 2X	(10 / 2X) 6 / 2X	(10 / 2X) 6 / 2X	(10 / 2X) 6 / 2X	(10 / 2X) 6 / 2X
	2.1 Mast	h3 = lift height standard / max.	mm	3000 - 8000	3000 - 9000	3000 - 10000	3000 - 10000	3000 - 7500	3000 - 7500	3000 - 7500	3000 - 7500
Dimensions	2.2.1 Fork cross section	s / b = thickness / width	mm	45 / 150	50 / 150	50 / 150	50 / 150	45 / 150	50 / 150	50 / 150	50 / 150
	2.2.2 Fork length	l = NB from / to	mm	600 - 2100	600 - 2100	600 - 2100	600 - 2100	600 - 2100	600 - 2100	600 - 2100	600 - 2100
	2.2.3 Fork tilt	standard	degree	+5 / -3	+5 / -3	+5 / -3	+5 / -3	+5 / -3	+5 / -3	+5 / -3	+5 / -3
	2.3.1 Overall dimensions	L = truck length	mm	2880 (3170 / 3500)	2880 (3170 / 3500)	2880 (3170 / 3500)	2880 (3170 / 3500)	2880 (3170 / 3500)	2880 (3170 / 3500)	2880 (3170 / 3500)	2880 (3170 / 3500)
	2.3.2	Sh = height over cabin roof "Q"	mm	2580	2580	2580	2580	2590	2590	2590	2590
	2.3.3	b = width to edge of forks	mm	850 - 1160	850 - 1160	850 - 1160	860 - 1160	850 - 1160	850 - 1160	850 - 1160	860 - 1160
	2.3.4	NB = loadbed width from / to	mm	600 - 2100	600 - 2100	600 - 2100	600 - 2100	600 - 2100	600 - 2100	600 - 2100	600 - 2100
	2.3.5	B = truck width (at NB 1200 mm)	mm	2050 - 2360	2050 - 2360	2050 - 2360	2060 - 2360	2050 - 2360	2050 - 2360	2050 - 2360	2060 - 2360
	2.3.6	Rh = loadbed height	mm	415	415	415	415	(492) 535	(492) 535	(492) 535	(492) 535
	2.3.7	Ra = loadbed opening	mm	1340 (1630 / 1960)	1340 (1630 / 1960)	1340 (1630 / 1960)	1340 (1630 / 1960)	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	1300	1300	1300	1300	
2.5.2 Aisle width	AST (at NB 1200 mm)	mm	2250 - 3360	2250 - 3360	2250 - 3360	2260 - 3360	2250 - 3360	2250 - 3360	2250 - 3360	2260 - 3360	
Wght	3.1 Empty weight (approx.)	incl. battery (with standard equipment)	kg	6300	6700	7000	7400	6500	6900	7200	7600
	3.2 Floor load (approx.)	incl. nominal load (static)	N/cm ²	500	520	540	560	300	300	300	300
Performance	4.1 Stability	according to CE-regulations	yes/no	yes	yes	yes	yes	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)	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	0,25 / 0,35	0,25 / 0,35	0,20 / 0,30	0,20 / 0,30	0,25 / 0,35	0,25 / 0,35	0,20 / 0,30	0,20 / 0,30
	4.2.3	lowering speed with / without nominal load	m/s	0,30 / 0,25	0,30 / 0,25	0,30 / 0,25	0,30 / 0,25	0,30 / 0,25	0,30 / 0,25	0,30 / 0,25	0,30 / 0,25
	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	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	%	10 / 13	10 / 13	9 / 12	9 / 12	9 / 12	9 / 12	8 / 11	8 / 11	
Wheels + tyres	5.1.1 Tyres	number load side / drive side	pcs.	4 / 2	4 / 2	4 / 2	4 / 2	(8 / 2) 4 / 2	(8 / 2) 4 / 2	(8 / 2) 4 / 2	(8 / 2) 4 / 2
	5.1.2	dimensions load wheels	mm	300 x 100	300 x 100	300 x 100	300 x 100	(360x85) 413x178	(360x85) 413x178	(360x85) 413x178	(360x85) 413x178
	5.1.3	dimensions drive wheels	mm	457 x 178	457 x 178	457 x 178	457 x 178	457 x 229	457 x 229	457 x 229	457 x 229
	5.3 Ground clearance		mm	75	75	75	75	(150) 170	(150) 170	(150) 170	(150) 170
	5.4.1 Service brakes			via drive pedal / joystick activated electronical plugging brake							
5.4.2 Parking brake			spring-loaded brake with electromagnetic release								
Drive unit	6.1.1 Battery	capacity	V/Ah	80 V - 3 PzS - 465 Ah / 80 V - 4 PzS - 620 Ah / 80 V - 5 PzS - 775 Ah / 80 V - 6 PzS - 930 Ah							
	6.1.2	minimum weight	kg	1350	1350	1350	1350	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	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 19,3	1 x 19,3	1 x 25,5	1 x 25,5	1 x 19,3	1 x 19,3	1 x 25,5	1 x 25,5
	6.2.3	steering motor rating	kW	1 x 4,0	1 x 4,0	1 x 4,0	1 x 4,0	1 x 4,0	1 x 4,0	1 x 4,0	1 x 4,0
	6.3.1 Electric controls	type		AC controls	AC-Steuerung	AC-Steuerung	AC-Steuerung	AC-Steuerung	AC-Steuerung	AC-Steuerung	AC-Steuerung
	6.4 Transmission	gear type		straight bevel	Kegel-Stirnrad	Kegel-Stirnrad	Kegel-Stirnrad	Kegel-Stirnrad	Kegel-Stirnrad	Kegel-Stirnrad	Kegel-Stirnrad
6.5 Hydraulic pressure	for attachments	bar	180	180	180	180	180	180	180	180	