

Series 2140

1.1 Series			2140-PU						
Characteristics	1.2	Model	Manufacturer's identification	M 35	M 40	M 45	M 50	M 55	
	1.3	Capacity	Q at standard lift height	kg	3500	4000	4500	5000	5500
	1.4	Loadcenter	lc = distance	mm	700	700	700	700	700
	1.6	Power supply	electric / Diesel / LPG		electric	electric	electric	electric	electric
	1.7	Type of steering	V = fourway / M = multidirectional / 2 = twoway		M	M	M	M	M
	1.7.1	Position of seat	Q = cross / D = diagonal / L = lateral / SU = stand up		Q / L / SU	Q / L / SU	Q / L / SU	Q / L / SU	Q / L / SU
	1.8	Tyres	PU = Vulkollan / EL = elastic		PU	PU	PU	PU	PU
	1.9	Wheels (X = powered)	number	pcs.	6 / 2X	6 / 2X	6 / 2X	6 / 2X	6 / 2X
	2.1	Mast	h3 = lift height standard / max.	mm	3000 - 9000	3000 - 10000	3000 - 10000	3000 - 10000	3000 - 10000
Dimensions	2.2.1	Fork cross section	s / b = thickness / width	mm	50 / 150	50 / 150	60 / 150	60 / 150	60 / 180
	2.2.2	Fork length	l = NB from / to	mm	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
	2.3.1	Overall dimensions	L = truck length	mm	3350 / 3680	3350 / 3680	3350 / 3680	3350 / 3680	3350 / 3680
	2.3.2		Sh = height over cabin roof "SU"	mm	2800	2800	2800	2800	2800
	2.3.3		b = width to edge of forks	mm	780 - 1030	800 - 1030	800 - 1030	800 - 1030	800 - 1030
	2.3.4		NB = loadbed width from / to	mm	600 - 2100	600 - 2100	600 - 2100	600 - 2100	600 - 2100
	2.3.5		B = truck width (at NB 1200 mm)	mm	1980 - 2230	2000-2230	2000 - 2230	2000 - 2230	2000 - 2230
	2.3.6		Rh = loadbed height	mm	415	415	415	415	415
	2.3.7		Ra = loadbed opening	mm	1340 / 1670	1340 / 1670	1340 / 1670	1340 / 1670	1340 / 1670
	2.4	Mast reach	V (at NB 1200 mm)	mm	1300	1300	1300	1300	1300
	2.5.2	Aisle width	AST (at NB 1200 mm)	mm	2180 - 3230	2200 - 3230	2200 - 3230	2200 - 3230	2200 - 3230
	Wght	3.1	Empty weight (approx.)	incl. battery (with standard equipment)	kg	9300	9500	9700	10000
3.2		Floor load (approx.)	incl. nominal load (static)	N/cm ²	540	560	580	600	620
Performance	4.1	Stability	according to CE-regulations	yes/no	yes	yes	yes	yes	yes
	4.2.1	Speeds	travel speed with / without nominal load	km/h	7 / 8	7 / 8	7 / 8	7 / 8	7 / 8
	4.2.2		lifting speed with / without nominal load	m/s	0,25 / 0,28	0,27 / 0,30	0,26 / 0,30	0,25 / 0,30	0,24 / 0,30
	4.2.3		lowering speed with / without nominal load	m/s	0,32 / 0,30	0,32 / 0,30	0,33 / 0,30	0,34 / 0,30	0,35 / 0,30
	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
4.3.1	Ramp capability	max. with / without nominal load	%	4 / 8	4 / 8	4 / 8	4 / 8	4 / 6	
Wheels + tyres	5.1.1	Tyres	number load side / drive side	pcs.	4 / 2	4 / 2	4 / 2	4 / 2	4 / 2
	5.1.2		dimensions load wheels	mm	300 x 100		300 x 135		
	5.1.3		dimensions drive wheels	mm	406 x 200				
	5.3	Ground clearance		mm	75	75	75	75	75
	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				
	6.1.2		minimum weight	kg	1350	1350	1350	1350	1350
	6.2.1	Electric motors	drive motor rating (s2 = 60 min)	kW	2 x 3,5	2 x 3,5	2 x 3,5	2 x 3,5	2 x 3,5
	6.2.2		lifting motor rating	kW	1 x 19,3	1 x 25,5	1 x 25,5	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 5,0	1 x 5,0
	6.3.1	Electric controls	type		AC controls	AC controls	AC controls	AC controls	AC controls
	6.4	Transmission	gear type		planetary	planetary	planetary	planetary	planetary
6.5	Hydraulic pressure	for attachments	bar	180	180	180	180	180	

Technical data

Series 2140-S OP

1.1 Series			2140-PU			
Characteristics	1.2	Model	Manufacturer's identification	M 15	M 20	
	1.3	Capacity	Q at standard lift height	kg	1500	2000
	1.4	Loadcenter	lc = distance	mm	500	500
	1.6	Power supply	electric / Diesel / LPG		electric	electric
	1.7	Type of steering	V = fourway / M = multidirectional / 2 = twoway		M	M
	1.7.1	Position of seat	Q = cross / D = diagonal / L = lateral / SU = stand up		SU	SU
	1.8	Tyres	PU = Vulkollan / EL = elastic		PU	PU
	1.9	Wheels (X = powered)	number	pcs.	6 / 2X	6 / 2X
	2.1	Mast	h3 = lift height standard / max.	mm	3000 - 8000	3000 - 8000
Dimensions	2.2.1	Fork cross section	s / b = thickness / width	mm	40 / 120	40 / 120
	2.2.2	Fork length	l = NB from / to	mm	600 - 1200	600 - 1200
	2.2.3	Fork tilt	standard	degree	+5 / -3	+5 / -3
	2.3.1	Overall dimensions	L = truck length	mm	3640	3640
	2.3.2		Sh = height over cabin roof "SU"	mm	2580	2580
	2.3.3		b = width to edge of fork (BE = 340 mm)	mm	1200	1200
	2.3.4		NB = loadbed width from / to	mm	600 - 1200	600 - 1200
	2.3.5		B = truck width (at NB 1000 mm)	mm	2200	2200
	2.3.6		Rh = loadbed height	mm	415	415
	2.3.7		Ra = loadbed opening	mm	1630	1630
	2.4	Mast reach	V (at NB 1000 mm)	mm	1100	1100
	2.5.2	Aisle width	AST (at NB 1000 mm)	mm	2400 - 3200	2400 - 3200
	Wght	3.1	Empty weight (approx.)	incl. battery (with standard equipment)	kg	8300
3.2		Floor load (approx.)	incl. nominal load (static)	N/cm ²	540	560
Performance	4.1	Stability	according to CE-regulations	yes/no	yes	yes
	4.2.1	Speeds	travel speed with / without nominal load	km/h	6 / 6	6 / 6
	4.2.2		lifting speed with / without nominal load	m/s	0,20 / 0,25	0,20 / 0,25
	4.2.3		lowering speed with / without nominal load	m/s	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
4.3.1	Ramp capability	max. with / without nominal load	%	0 / 0	0 / 0	
Wheels + tyres	5.1.1	Tyres	number load side / drive side	pcs.	4 / 2	4 / 2
	5.1.2		dimensions load wheels	mm	300 x 100	
	5.1.3		dimensions drive wheels	mm	406 x 200	
	5.3	Ground clearance		mm	75	75
	5.4.1	Service brakes			via dr. pedal activ. electr. plugging brake	
5.4.2	Parking brake			spring-loaded br. with electromagn. rel.		
Drive unit	6.1.1	Battery	capacity	V/Ah	80 V - 4 PzS - 620 Ah	
	6.1.2		minimum weight	kg	1600	1600
	6.2.1	Electric motors	drive motor rating (s2 = 60 min)	kW	2 x 3,5	2 x 3,5
	6.2.2		lifting motor rating	kW	1 x 19,3	1 x 19,3
	6.2.3		steering motor rating	kW	1 x 4,0	1 x 4,0
	6.3.1	Electric controls	type		AC controls	AC controls
	6.4	Transmission	gear type		planetary	planetary
6.5	Hydraulic pressure	for attachments	bar	180	180	