



# E12 – 20 SPECIFICATIONS



TECHNICAL DATA				
Manufacturer		ČZ a.s., Auto - DESTA division		
Model designation		E 12	E 16	E 20
Power unit		Battery		
Operation		Seated		
Load capacity	Q t	1,25	1,6	2,0
Load centre	c mm	500		
Axle centre to fork face	x mm	325	335	335
Wheelbase	y mm	1190	1410	1430
<b>Weights</b>				
Service weight	kg	2690	3100	3350
Axle load with load	front kg	3400	4170	4760
	rear kg	540	530	590
<b>Wheels and Tyres</b>				
Tyres	front / rear	Superelastic		
Tyre size	front	18 x 7 - 8		
	rear	15 x 4,5 - 8		
Wheels number	front / rear (x = driven) 0	x 2/2		
Track width	b10 - front mm	910		
	b11 - rear mm	910		
<b>Dimensions</b>				
Mast tilt	$\alpha/\beta$ forward / backward degrees	5/6		
Height of mast, lowered	h1 mm	2230	2310	2310
Free lift	h2 mm	150		
Lift	h3 mm	3300		
Overall height with mast raised	h4 mm	3850	3800	3800
Height to top of overhead guard	h6 mm	1950		
Height of seat	h7 mm	910		
Towing coupling height	h10 mm	610		
Overall height	L1 mm	2785	3030	3050
Length to fork face	L2 mm	1785	2030	2050
Overall width	b1 mm	1070		
Fork dimensions	t – thickness mm	40		
	b – width mm	80		
	l – length mm	1000		
Fork carriage width	b3 mm	1070		
Ground clearance	m1 – the lowest point mm	90		
	m2 – centre of wheelbase mm	105		
Aisle width	Ast – with pallets 1000x1200, wide mm	3105	3294	3315
	Ast - with pallets 800x1200, long mm	3230	3410	3440
Turning radius	Wa mm	1460	1630	1660
Minimum pivot point distance	b13 mm	25		
<b>Performance</b>				
Travel speed	with / without load km/h	13,5 / 14	12,5 / 13	12 / 13
Lift speed	with / without load m/s	0,50 / 0,71	0,36 / 0,60	0,35 / 0,60
Lower speed	with / without load m/s	0,54 / 0,41	0,59 / 0,32	0,55 / 0,32
Tractive force	with / without load kN	6,3 / 6,3		
Climbing ability	with / without load %	17 / 26,7	13,8 / 22,5	13,8 / 20
Acceleration time (10 m distance)	with / without load s	5,6 / 5,2		
Service brake		Hydraulic multiple disk brake		
Relief brake		Electric recuperative brake		
Parking brake		Mechanic multiple disk brake		
<b>Drives unit</b>				
Drive motor rating	kW	2 x 6		
Lift motor rating	kW	11		
Battery	model	4PzS 480 HX	5PzS 600 HX	6PzS 720 HX
	voltage / rated capacity V/Ah	48 / 500	48 / 625	48 / 750
	weight kg	752	853	1005
Charging set	input kVA	6 - 8		
	connect to mains	3 PEN 50Hz 400 V		
Truck energy consumption	VDI cyclus kW/h	4,3	5,0	5,3
<b>Other</b>				
Steering	type	Hydrostatic		
Gear of travel	type	Planet gear set		
Gear ratio	i	22		
Operating pressure	for optional equipment bar	170		
Mean noise level at driver's ear	(to BITA RP 20) dB(A)	72	77	77

The manufacturer retains to make technical alternations.