



3E10 – 15 SPECIFICATIONS



TECHNICAL DATA						
Manufacturer			ČZ a.s., Auto - DESTA division			
Model designation			3E 10	3E 12	3E 15	
Power unit:	Battery					
Operation	Seated					
Load capacity	Q	t	1,0	1,2	1,5	
Load centre	c	mm	500			
Axle centre to fork face	x	mm	320	320	337	
Wheelbase	y	mm	1150			
Weights						
Truck weight		kg	2465	2640	2940	
Axle load with load	front	kg	2870	3285	4020	
	rear	kg	595	555	420	
Wheels and Tyres						
Tyres	front / rear		Superelastic			
Tyre size	front		18 x 7 – 8			
	rear		18 x 7 – 8			
Wheels number	front / rear (x = driven) 0		2 / 1 x			
Track width	b10 - front		910			
	b11 - rear		-			
Dimensions						
Mast tilt	α/β forward / backward		degrees		5/6	
Height of mast, lowered	h1	mm	2250	2250	2320	
Free lift	h2	mm	150			
Lift	h3	mm	3300			
Overall height with mast raised	h4	mm	3850	3850	3880	
Height to top of overhead guard	h6	mm	1940			
Height of seat	h7	mm	930			
Towing coupling height	h10	mm	630			
Overall height	L1	mm	2755	2755	2775	
Length to fork face	L2	mm	1755	1755	1775	
Overall width	b1	mm	1060			
Fork dimensions	t – thickness		40			
	b – width		80			
	l – length		1000			
Fork carriage width	b3	mm	1070			
Ground clearance	m1 – the lowest point		85	85	80	
	m2 – centre of wheelbase		105	115	110	
Aisle width	Ast – with pallets 1000x1200, wide		3095			
	Ast - with pallets 800x1200, long		3210			
Turning radius	Wa	mm	1415			
Minimum pivot point distance	b13	mm	40			
Performance						
Travel speed	with / without load		km/h	10,4 / 11,6	10,3 / 11,0	8,14 / 10,5
Lift speed	with / without load		m/s	0,25 / 0,36	0,24 / 0,45	0,19 / 0,38
Lower speed	with / without load		m/s	0,53 / 0,47	0,52 / 0,45	0,52 / 0,46
Tractive force	with / without load		kN	5,3 / 5,3		
Gradeability	with / without load		%	13,0 / 17,5	11,0 / 16,0	10,0 / 15,5
Acceleration time (10 m distance)	with / without load		s	6,05 / 5,52	6,51 / 5,90	6,97 / 6,27
Service brake	Hydraulic drum brake					
Relief brake	Electric recuperative brake					
Parking brake	Mechanic drum brake					
Drives unit						
Drive motor rating			kW	4,2		
Lift motor rating			kW	4		
Battery	model			6 PzS 750	7 PzS 875	8 PzS 1000
	voltage / rated capacity		V/Ah	24 / 750	24 / 875	24 / 1000
	weight		kg	550	618	692
Charging set	input		kVA	6 - 8		
	connect to mains			3 PEN 50 Hz 400 V		
Truck energy consumption	VDI cyclus	kWh	4,0	4,8	5,0	
Other						
Steering	type		Hydrostatic			
Gear of travel	type		Angle transmission			
Gear ratio			i	20,9		
Operating pressure	optional equipment		bar	160		
Mean noise level at driver's ear	(d1e BITA RP 20)		dB(A)	71		

The manufacturer retains to make technical alternations