



D(G) 40 – 50 SPECIFICATIONS



TECHNICAL DATA							
Manufacturer		ČZ a.s., Auto - DESTA division					
Model designation		D 40	G 40	D 45	G 45	D 50	G 50
Power unit		Diesel	LPG	Diesel	LPG	Diesel	LPG
Operation		Rider seat					
Load capacity	Q t	4,0		4,5		5,0	
Load center	c mm	500					
Axle centre to fork face	x mm	518		523		555	
Wheelbase	y mm	1950		2000		2000	
Weights							
Service weight	kg	6230		6600		7285	
Axle load with load	front kg	9130		9900		11085	
	rear kg	1100		1200		1200	
Wheels and Tyres							
Tyres	front / rear (P) = pneumatic	L/L					
Tyre size	front	250 – 15					
	rear	21 x 8 – 9					
Wheels number	front / rear (x = driven) 0	x2/2 (x4/2)					
Track width	b ₁₀ - front mm	1216					
	b ₁₁ - rear mm	1100					
Dimensions							
Mast tilt	α/β forward / backward degree	6/ 8					
Height of mast, lowered	h ₁ mm	2500		2500		2645	
Free lift	h ₂ mm	150					
Lift	h ₃ mm	3300					
Height of mast, extended	h ₄ mm	4120		4120		4212	
Height to top of overhead guard / cab	h ₆ mm	2250					
Height of seat	h ₇ mm	1150					
Height of tow coupling	h ₁₀ mm	650					
Overall length	L ₁ mm	4000		4100		4100	
Length to fork face	L ₂ mm	2800		2900		2900	
Overall width	b ₁ mm	1420 (1785 – dual wheels)					
Fork dimensions	t – thickness mm	45		50		50	
	b – width mm	125		120		140	
	l – length mm	1200					
Fork carriage width	b ₃ mm	1400					
Ground clearance	m ₁ – the lowest point mm	130					
	m ₂ – centre of wheelbase mm	120					
Aisle width	Ast - 1000x1200 pallet crosswise mm	4210		4310		4340	
	Ast - 800x1200 pallet lengthwise mm	4410		4510		4540	
Turning radius	W _a mm	2485		2585		2585	
Minimum pivot point distance	b ₁₃ mm	960					
Performance							
Travel speed	with / without load km/h	16/ 16,5					
Lift speed	with / without load m/s	0,47/ 0,58					
Lower speed	with / without load m/s	0,56/ 0,49					
Tractive force	with load kN	10					
	without load kN	10					
Climbing ability	with load %	29		26		23	
	without load %	25					
Acceleration time (15 m distance)	s	5,3					
Brakes	pedal service brake	Hydraulic					
	hand parking brake	Mechanic					
Drive							
Engine	manufacturer / type	SAME DEUTZ/ 1000.4W (GM / 4.3 L)					
Engine output	to ISO 1585 kW	56 (50)					
Rated speed	min ⁻¹	2300 (2200)					
Number of cylinders / cubic capacity	cm ³	4 / 4000 (6 / 4294)					
Fuel consumption	(to VDI 2198 cycle) l/h	3,6	3,4	4,1	4	5,4	5
Other							
Steering	type	Hydrostatic					
Operating pressure	for optional equipment bar	180		200		220	
Clutch	type	Hydrodynamic torque converter					
Number of speed gears	forward/ backward	1/1					
Transmission	type	Powershift					
Battery	voltage/ capacity V/Ah	12/ 120					
Mean noise level at driver's ear	(to BITA RP 20) dB(A)	85	82	85	82	85	82

The manufacturer retains the right to technical alternations.