



D(G) 12 – 20 SPECIFICATIONS



TECHNICAL DATA							
Manufacturer		ČZ a.s., Auto - DESTA division					
Model designation		D 12	G 12	D 16	G 16	D 20	G 20
Power unit		Diesel	LPG	Diesel	LPG	Diesel	LPG
Operation		Rider seat					
Load capacity	Q t	1,25		1,6		2,0	
Load centre	c mm	500					
Axle centre to fork face	x mm	335		355		355	
Wheelbase	y mm	1360		1360		1400	
Weights							
Service weight	kg	2500	2380	2740	2680	3010	2975
Axle load with load	front kg	3160	3055	3810	3770	4460	4425
	rear kg	590	575	530	510	550	550
Wheels and Tyres							
Tyres	front / rear (P) = pneumatic	L/L					
Tyre size	front	18 x 7 – 8					
	rear	16 x 6 – 8					
Wheels number	front / rear (x = driven) 0	x2/2					
Track width	b ₁₀ - front mm	940					
	b ₁₁ - rear mm	860					
Dimensions							
Mast tilt	α/β forward / backward degree	8/ 7					
Height of mast, lowered	h ₁ mm	2250		2325			
Free lift	h ₂ mm	150					
Lift	h ₃ mm	3300					
Height of mast, extended	h ₄ mm	3825		3900			
Height to top of overhead guard / cab	h ₆ mm	1995					
Height of seat	h ₇ mm	940					
Height of tow coupling	h ₁₀ mm	430					
Overall length	L ₁ mm	3130		3150		3215	
Length to fork face	L ₂ mm	2130		2150		2215	
Overall width	b ₁ mm	1070					
Fork dimensions	t – thickness mm	40					
	b – width mm	80					
	l – length mm	1000					
Fork carriage width	b ₃ mm	1070					
Ground clearance	m ₁ – the lowest point mm	80					
	m ₂ – centre of wheelbase mm	95					
Aisle width	Ast - 1000x1200 pallet crosswise mm	3520		3540		3610	
	Ast - 800x1200 pallet lengthwise mm	3730		3750		3810	
Turning radius	W _a mm	1990		1990		2050	
Minimum pivot point distance	b ₁₃ mm	635					
Performance							
Travel speed	with / without load km/h	15,3/ 16	17/19	15,3/ 16	17/19	15,3/ 16	17/19
Lift speed	with / without load m/s	0,60/0,62	0,60/0,62	0,52/0,52	0,55/0,60	0,50/0,52	0,50/0,45
Lower speed	with / without load m/s	0,50/ 0,44					
Tractive force	with load kN	6,3					
	without load kN	6,3					
Climbing ability	with load %	28		25		23	
	without load %	23		20		20	
Acceleration time (15 m distance)	s	4,7					
Brakes	pedal service brake	Hydraulic					
	hand parking brake	Mechanic					
Drive							
Engine	manufacturer / type	ZTS / LOMBARDINI LDW 2204/CUMMINS (VW ADF) *					
Engine output	to ISO 1585 kW	28,5 (28)					
Rated speed	min ⁻¹	2500 (2750)					
Number of cylinders / cubic capacity	cm ³	4 / 2199 (4 / 1800)					
Fuel consumption	(to VDI 2198 cycle) l/h	1,80	2,1	1,90	2,3	2,14	2,5
Other							
Steering	type	Hydrostatic					
Operating pressure	for optional equipment bar	170					
Clutch	type	Hydrodynamic torque converter					
Number of speed gears	forward/ backward	1/1					
Transmission	type	Powershift					
Battery	voltage/ capacity V/Ah	12/ 100					
Mean noise level at driver's ear	(to BITA RP 20) dB(A)	84	81	84	81	84	81

The manufacturer retains the right to technical alternations.

* in the course of 2007 year, the engine type will change