

LGMG ELECTRIC COUNTERBALANCED FORKLIFT



SPECIFICATIONS

MODELS		CPDS16A	CPDS18A	CPDS20A
Drive	/	Electric	Electric	Electric
Type of operation	/	Seated	Seated	Seated
Load capacity/rated load	Q(kg)	1600	1800	2000
Load centre distance	c(mm)	500	500	500
Load distance,centre of drive axle to fork	x(mm)	372	377	377
Wheelbase	y(mm)	1360	1360	1490
Weights				
Service weight incl. battery	kg	3060	3160	3420
Axle loading,laden front/rear	kg	4160/500	4450/510	4880/540
Axle loading,unladen front/rear	kg	1470/1610	1530/1650	1670/1750
Wheels, Chassis				
Type:solid,pneumatic	/	Solid	Solid	Solid
Tyres size,front	/	18×7-8	18×7-8	200/50-10
Tyres size,rear	/	15X4½-8	15X4½-8	15X4½-8
Wheels, number front/rear(*=driven wheels)	/	2×/2	2×/2	2×/2
Track width, front	b10(mm)	960	960	984
Track width,rear	b11(mm)	180	180	180
Basic Dimensions				
Mast/fork carriage tilt forward/backward	$\alpha / \beta(^{\circ})$	5/7	5/7	5/7
lowered mast height	h1(mm)	2008	2008	2008
Free lift	h2(mm)	125	125	125
Lift height	h3(mm)	3000	3000	3000
Extended mast height	h4(mm)	3981	3981	3981
Height of overhead guard	h6(mm)	2075	2075	2075
Seat height	h7(mm)	1030	1030	1030
Coupling height	h10(mm)	465	465	465
Overall length	l1(mm)	2845	3000	3130
Length to face of forks	l2(mm)	1925	1930	2060
Overall width	b1(mm)	1135	1135	1150
Fork dimensions	s/e/l(mm)	35/100/920	40/100/1070	40/100/1070
Fork carriage width	b3(mm)	1040	1040	1040
Ground clearance ,laden,under mast	m1(mm)	123	123	123
Ground clearance,centre of wheelbase	m2(mm)	105	105	105
Aisle width for pallets 1000×1200 crossways	Ast(mm)	3248	3253	3383
Aisle width for pallets 800×1200 lengthways	Ast(mm)	3373	3377	3507
Turning radius	Wa(mm)	1550	1550	1680
Performance Data				
Travel speed,laden/unladen	km/h	14/15	14/15	14/15
Lift speed,laden/unladen	m/s	0.32/0.42	0.32/0.42	0.32/0.42
lowering speed,laden/unladen	m/s	<0.6	<0.6	<0.6
Max.drawbar pull,laden/unladen	N	8500/7800	8500/7800	8800/8000
Max.Gradient performance,laden/unladen S2 5 min	%	15/20	15/20	13/18
Service brake	/	Hydraulic	Hydraulic	Hydraulic
E-Motor				
Drive motor rating S2 60 min	kw	4.5×2	4.5×2	4.5×2
Lift motor rating at S3 15%	kw	8.6	8.6	8.6
Battery standard	/	Lion	Lion	Lion
Battery voltage,nominal capacity K5	V/Ah	51.2/277 option:51.2/412	51.2/277 option:51.2/554	51.2/277 option:51.2/554
Battery dimensions l/w/h	mm	980×538×670	980×538×670	980×668×670
Other Details				
Type of drive control	/	AC	AC	AC
Operating pressure for attachments	Mpa	17.5	17.5	17.5
Oil volume for attachments	l/min	36	36	36
Sound level at driver's ear according to EN 12 053	dB(A)	70	70	70

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Designation	Lift height	Free Lift	Closed mast height	Extended mast height	Tilt forward/backward	Capacity table(kg) C=500mm without sideshift, single pneumatic tyres		
	h3(mm)	h2(mm)	h1(mm)	h4 (mm)	$\alpha / \beta (^{\circ})$	CPDS16A	CPDS18A	CPDS20A
Two-stage ZT	2500	125	1758	3481	5/7	1600	1800	2000
	2700	125	1858	3681	5/7	1600	1800	2000
	3000	125	2008	3981	5/7	1600	1800	2000
	3300	125	2158	4281	5/7	1600	1800	2000
	3500	125	2258	4481	5/7	1600	1800	2000
	3700	125	2358	4681	5/7	1600	1800	2000
	4000	125	2558	4981	3/5	1500	1750	1900
	4300	125	2708	5281	3/5	1450	1650	1800
	4500	125	2808	5481	3/5	1400	1450	1600
5000	125	3083	5981	3/5	1000	1100	1400	
Two-stage ZZ	2500	793	1758	3474	5/7	1600	1800	2000
	2700	893	1858	3674	5/7	1600	1800	2000
	3000	1043	2008	3974	5/7	1600	1800	2000
	3300	1193	2158	4274	5/7	1600	1800	2000
	3500	1293	2258	4474	5/7	1600	1800	2000
	3700	1393	2358	4674	5/7	1600	1800	2000
	4000	1593	2558	4974	3/5	1500	1750	1900
	4300	1743	2708	5274	3/5	1450	1650	1800
	4500	1843	2808	5474	3/5	1400	1450	1600
5000	2118	3083	5974	3/5	1000	1100	1400	
Three-stage DZ	4000	988	1953	4980	3/5	1500	1750	1900
	4350	1113	2078	5329	3/5	1450	1600	1700
	4500	1163	2128	5479	3/5	1400	1450	1600
	4800	1263	2228	5779	3/5	1200	1300	1400
	5000	1363	2328	5979	3/5	1050	1100	1300
	5500	1513	2478	6479	3/5	800	900	1000
6000	1713	2678	6979	3/5	600	650	700	

