

Technical Data

Distinguishing mark	1.1	Manufacturer		HANGCHA GROUP CO., LTD.			
	1.2	Manufacturers type designation		CPD40-XEY2-SI	CPD45-XEY2-SI	CPD50-XEY2-SI	CPD50-XEY2-SI
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		Electric	Electric	Electric	Electric
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seated	Seated	Seated	Seated
	1.5	Load capacity /rated load	Q (kg)	4000	4500	5000	5000
	1.6	Load centre distance	c (mm)	500	500	500	600
	1.7	Load distance, centre of drive axle to fork	x (mm)	555	555	555	565
	1.8	Wheelbase	y (mm)	2100	2100	2100	2100
Weight	2.1	Service Weight	kg	6240	6630	6930	7230
	2.2	Axle loading, laden front/rear	kg	8893/1158	9678/1263	10332/1409	11194/1447
	2.3	Axle loading, unladen front/rear	kg	2972/3268	3007/3623	3010/3920	3020/4210
Tyres, chassis	3.1	Tyres: solid rubber, super elastic, pneumatic, polyurethane		Pneumatic	Pneumatic	Pneumatic	Pneumatic
	3.2	Tyre size, front		8.25-15-14PR	300-15-18PR	300-15-18PR	300-15-18PR
	3.3	Tyre size, rear		7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR
	3.4	Wheels, number front rear (x = driven wheels)		2"/2	2"/2	2"/2	2"/2
	3.5	Tread, front	b10 (mm)	1160	1190	1190	1190
	3.6	Tread, rear	b11 (mm)	1130	1130	1130	1130
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	Grad	6/12	6/12	6/12	6/12
	4.2	Height, mast lowered	h1 (mm)	2245	2245	2245	2345
	4.3	Free lift	h2 (mm)	150	150	150	150
	4.4	Lift	h3 (mm)	3000	3000	3000	3000
	4.5	Height, mast extended	h4 (mm)	4220	4220	4372	4372
	4.6	Height of overhead guard (cabin)	h6 (mm)	2350[2460]	2350[2460]	2350[2460]	2350[2460]
	4.7	Towing coupling height	h10 (mm)	660	660	660	660
	4.8	Overall length	l1 (mm)	4120	4120	4160	4300
	4.9	Length to face of forks	l2 (mm)	3050	3050	3090	3100
	4.21	Overall width(single/dual front tyres)	b1 (mm)	1420/1926	1490/1926	1490/1926	1490/1926
	4.22	Fork dimensions	s/e/l (mm)	50/122/1070	50/150/1070	50/150/1070	60/150/1220
	4.23	Fork carriage DIN 15 173 --- ISO 2328, class/type A,B		ISO 2328 3A	ISO 2328 3A	ISO 2328 4A	ISO 2328 4A
	4.24	Fork-carriage width	b3 (mm)	1250	1250	1250	1250
	4.25	Distance between fork-arms	b5 (mm)	310/1200	310/1200	310/1200	300/1250
	4.31	Ground clearance, laden, below mast	m1 (mm)	170	170	170	170
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	200	200	200	200
	4.33	Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	4435	4435	4495	4505
	4.34	Aisle width for pallets 800 x 1200 Lengthways	Ast (mm)	4635	4635	4695	4705
4.35	Turning radius	Wa (mm)	2680	2680	2740	2740	
4.36	Internal turning radius	b13 (mm)	730	730	730	730	
Performance data	5.1	Travel speed, laden/unladen	km/h	19/19	19/19	19/19	19/19
	5.2	Lift speed, laden/unladen	m/s	0.450/0.550	0.430/0.550	0.400/0.520	0.400/0.520
	5.3	Lowering speed, laden/unladen	m/s	0.370/0.420	0.370/0.420	0.370/0.420	0.370/0.420
	5.4	Drawbar pull, laden/unladen	N	19000/20000	19000/20000	19000/20000	19000/20000
	5.5	Max. Drawbar pull, laden/unladen	N	21000	21000	21000	21000
	5.6	Gradeability, laden/unladen	%	17/22	17/22	16/20	16/20
	5.7	Acceleration time, laden/unladen (0-10m)	s	5.0/4.8	5.2/5.0	5.3/5.1	5.4/5.2
	5.8	Service brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic
	5.9	Parking brake		Mechanical	Mechanical	Mechanical	Mechanical
Electric-engine	6.1	Drive motor rating S2 60 min	kW	23	23	23	23
	6.2	Lift motor rating at S3 15%	kW	28	28	28	28
	6.3	Battery voltage, Std	V/Ah	80/460	80/460	80/460	80/460
	6.4	Standard Weight of lithium iron phosphate battery	kg	350	350	350	350
	6.5	Min. battery weight	kg	320	320	320	320
	6.6	Max. battery weight	kg	800	800	800	800
Addition data	8.1	Type of drive control		MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC
		Manufacturer		Enpower	Enpower	Enpower	Enpower
		Control Model		MC3336*3808	MC3336*3808	MC3336*3808	MC3336*3808
	8.2	Operating pressure for attachments	bar	185	185	185	185
	8.3	Oil volume for attachments	l/min	65	65	65	65
	8.4	Sound level at the driver's ear according to EN / DIN 12 053	dB (A)	70	70	70	70
	8.5	Towing coupling, type DIN		Φ35 Pin	Φ35 Pin	Φ35 Pin	Φ35 Pin
	9.1	Hydraulic Tank - capacity (drain & refill)	liter	55	55	55	55

