

## Manufacturer's Data and Design Characteristics

character			<b>HELI</b>							
1.01	manufacturer									
1.02	model		CPD30	CPD30	CPD30	CPD30	CPD35	CPD35	CPD35	CPD35
1.03	configuration number		GC1/GC2/GC3	GD1/GD2/GD3	GC1P/GC2P/GC3P	GD1P/GD2P/GD3P	GC1/GC2/GC3	GD1/GD2/GD3	GC1P/GC2P/GC3P	GD1P/GD2P/GD3P
1.04	rated capacity	Q	kg/Lbs	3000/6000	3000/6000	3000/6000	3000/6000	3500/7000	3500/7000	3500/7000
1.05	load center distance	c	mm/in	500/24	500/24	500/24	500/24	500/24	500/24	500/24
1.06	power mode			Battery	Battery	Battery	Battery	Battery	Battery	Battery
1.07	driving mode			Seated	Seated	Seated	Seated	Seated	Seated	Seated
1.08	wheel base	L1	mm	1685	1685	1685	1685	1685	1685	1685
tyre										
2.01	tyre type			Pneumatic	Pneumatic	Pneumatic	Pneumatic	SE	SE	SE
2.02	wheel number(front/rear)			2/2	2/2	2/2	2/2	2/2	2/2	2/2
2.03	front wheel base	W3	mm	1000	1000	1000	1000	1000	1000	1000
2.04	rear wheel base	W2	mm	950	950	950	950	950	950	950
2.05	tyre (front)			28X9-15-14PR	28X9-15-14PR	28X9-15-14PR	28X9-15-14PR	28X9-15	28X9-15	28X9-15
2.06	tyre(rear)			18X7-8-14PR	18X7-8-14PR	18X7-8-14PR	18X7-8-14PR	18X7-8	18X7-8	18X7-8
size										
3.01	front overhang	L2	mm	485	485	485	485	490	490	490
3.02	mast tilt angle , front/rear	$\alpha/\beta$	°	6/10	6/10	6/10	6/10	6/10	6/10	6/10
3.03	height with mast retraction	H1	mm	2075	2075	2075	2075	2180	2180	2180
3.04	free lifting height	H3	mm	145	145	145	145	150	150	150
3.05	Max. lifting height	H	mm	3000	3000	3000	3000	3000	3000	3000
3.06	Max. height under working condition	H2	mm	4230	4230	4230	4230	4230	4230	4230
3.07	overhead guard height	H4	mm	2215	2215	2215	2215	2215	2215	2215
3.08	fork size:thickness×width×length	T×W×L4	mm	45 × 125 × 1070	45 × 125 × 1070	45 × 125 × 1070	45 × 125 × 1070	50 × 125 × 1070	50 × 125 × 1070	50 × 125 × 1070
3.09	Lateral Fork Adjustment (Outside of Forks) Max./Min.	W5	mm	1060/250	1060/250	1060/250	1060/250	1060/250	1060/250	1060/250
3.10	fork arm carrier, DIN standard			3A	3A	3A	3A	3A	3A	3A
3.11	truck body length (fork excluded)	L'	mm	2490	2490	2490	2490	2560	2560	2560
3.12	truck body width	W1	mm	1241	1241	1241	1241	1241	1241	1241
3.13	turning radius	r	mm	2210	2210	2210	2210	2270	2270	2270
3.14	clearance between mast and ground	H5	mm	135	135	135	135	135	135	135
3.15	clearance between wheel base center and ground(loaded)	H6	mm	145	145	145	145	145	145	145
3.16	right angle stacking aisle width (pallet1000x1000mm, clearance 200mm)	Ast	mm	3895	3895	3895	3895	3960	3960	3960
3.17	right angle stacking aisle width (pallet1200x1200mm, clearance 200mm)	Ast	mm	4095	4095	4095	4095	4160	4160	4160
performance										
4.01	travelling speed: loaded/unloaded		km/h	15/15.5	15/15.5	15/15.5	15/15.5	14.5/15	14.5/15	14.5/15
4.02	lifting speed: loaded/unloaded		m/s	0.28/0.46	0.34/0.46	0.28/0.46	0.34/0.46	0.27/0.44	0.325/0.46	0.27/0.44
4.03	lowering speed: loaded/unloaded		m/s	0.48	0.48	0.48	0.48	0.42	0.42	0.42
4.04	gradeability (loaded)		%	17/17/15	17/17/17	17/17/15	17/17/17	15/15/12	15/15/15	15/15/15
4.05	Max. traction force (loaded)		N	15600	15600	15600	15600	15600	15600	15600
4.06	acceleration time (10m) loaded/unloaded		s	5.75/5.2	5.75/5.2	5.75/5.2	5.75/5.2	5.75/5.2	5.75/5.2	5.75/5.2
weight										
5.01	total weight (with /without battery)		kg	4810/3460	4810/3460	4810/3460	4810/3460	5500/3950	5500/3950	5500/3950
5.02	axle load: unloaded, front/rear		kg	2320/2490	2320/2490	2320/2490	2320/2490	2640/2860	2640/2860	2640/2860
5.03	axle load: loaded, front/rear		kg	7055/755	7055/755	7055/755	7055/755	8145/855	8145/855	8145/855
battery										
6.01	battery voltage/capacity K5		V/Ah	80/480	80/480	80/480	80/480	80/560	80/560	80/560
6.02	battery weight		kg	1350(1350-1626)	1350(1350-1626)	1350(1350-1626)	1350(1350-1626)	1550(1350-1650)	1550(1350-1650)	1550(1350-1650)
6.03	battery, DIN standard			43536A	43536A	43536A	43536A	43536A	43536A	43536A
motor and controller										
7.01	drive motor power-60 minutes		kW	16.6	16.6	16.6	16.6	16.6	16.6	16.6
7.02	lifting motor power(S3-15%)		kW	13.0	13.5	13.0	13.5	13.0	13.5	13.5
7.03	drive motor controlling mode			MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC
7.04	lifting motor controlling mode			MOSFET/DC	MOSFET/AC	MOSFET/DC	MOSFET/AC	MOSFET/DC	MOSFET/AC	MOSFET/AC
7.05	service brake/parking brake			Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical
7.06	hydraulic system working pressure		Mpa	21	21	21	21	21	21	21

NOTE:(1)\*Detailed information about battery, please contact our salesmen or engineer. (2)\*P": battery side extraction(side pulling or side loading ),side loading for standard. (3)For configuration number, 1: CURTIS Controller; 2: ZAPI Controller; 3: Inmotion Controller.