



4.5-12S T

E Series Electric Forklift





◎采用主副两个液压油箱，油液容量加大，保证液压系统的工作稳定性。散热面积加大，风冷散热，保证良好的散热性能和液压油清洁度。

Dual hydraulic oil tanks deliver greater fluid capacity for enhanced system stability, while the enlarged air-cooled surface ensures superior heat dissipation and cleaner hydraulic oil.



◎独立的转向系统，确保车辆在低速、重载甚至原地操作时也能保持灵活、安全的转向性能。

With an independent steering system, the forklift remains agile and safe, whether moving slowly, carrying heavy loads, or turning on the spot.



◎先进的电机驱动系统，结构紧凑，行驶和爬坡性能更高，扭矩更大，动力更强劲。

Advanced motor drive system with compact structure generates better driving and climbing performance, higher torque and more powerful forces.



◎配备性能优异的免维护制动系统。驱动桥久经市场验证，结构紧凑，受载变形小，防水防尘。

Equipped with a high-performance, maintenance-free braking system. The drive axle features a compact, rigid structure with minimal load-induced deformation, along with superior water and dust resistance.

◎标配和鼎大品牌锂电池。零污染，免维护，1.5-2 小时即可快速充满，随用随充，更适合多班次场景作业。

Standard equipped with Heding high quality lithium battery. Zero pollution, maintenance free. 1.5-2 hours for full charge, more suitable for multi-shift work.



◎采用全交流进口电控和进口电源接插件，提升整车控制精度与响应速度，增强系统稳定性与安全性。

Fully AC-driven imported motor control and premium imported power connector interfaces deliver exceptional precision and lightning-fast response, ensures excellent reliability and safety.



◎门架缓冲和液压系统防爆设计，操作更平稳，即使油管意外爆裂，门架也不会急速下降。过载保护系统实时监控载荷，超载自动禁止起升。

Explosion-proof hydraulics and mast cushioning design delivers smooth, safe operation, even in the event of a hose rupture, the mast will not drop suddenly. The overload protection automatically prevents lifting beyond capacity.





◎右置式急停开关,紧急情况下迅速切断动力,提高操作安全性。

Right-mounted emergency stop switch instantly cuts power in emergencies, ensuring safer operation.

◎门架横梁结构,承载更稳。门架视野开阔,倒车后视野开阔,盲区小。

Stronger mast crossbeam structure, delivers steadier load support. The mast offers a wide field of vision, with excellent rear visibility and minimal blind spots.



◎LED 组合照明灯,为夜间工作提供良好照明条件。仪表台 USB 电源设置,手机充电更便捷。

LED work lights ensure clear visibility for safe and efficient night-time operation. Dashboard USB power outlet offers convenient mobile phone charging.

◎OPS 减震座椅,机手长时间驾驶也能保持舒适。

OPS shock-absorbing seat keeps the operator comfortable even during long hours of driving.



◎座椅距离护顶架高度大,方向盘可调,腿部操作空间大,驾驶更舒适。

High seat position, adjustable steering wheel, and spacious legroom provide enhanced comfort for the operator.

◎左右双踏板,上下车方便。

Dual pedals on both sides provide convenient access for operators.

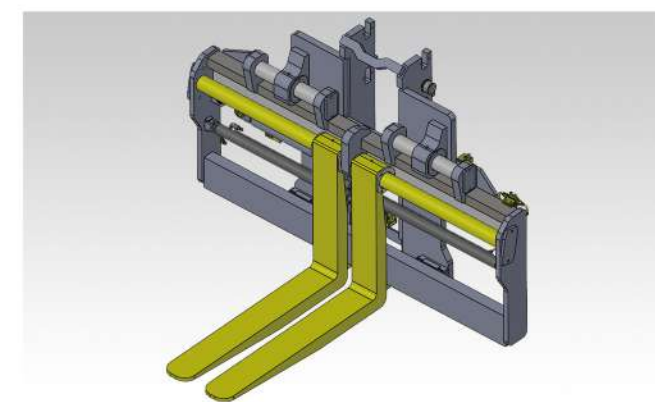


◎机罩开启角度大,维护保养方便。

Wide-opening hood provides convenient access for maintenance.

◎10-12 标配调距叉,4.5-12T 可选配侧移调距叉。

10-12T models come standard with adjustable forks; 4.5-12T models can optionally be equipped with side-shifting adjustable forks.



◎当驾驶员松开加速踏板,或叉车出现断电、故障,智能自动停车和负刹车系统自动控制驱动电机或液压系统,叉车即停即锁,坡道防溜坡。

The intelligent automatic parking with negative braking instantly stops and locks the forklift in case of pedal release, power loss, or fault, ensuring safety and preventing rollback on slopes.

◎制动或减速时,驱动电机转为“发电机”模式,实现能量回收;再生制动提供阻尼效果,实现平稳减速,同时延长制动系统寿命。

Regenerative braking turns the drive motor into a generator during slowing, recovering energy and ensuring smooth deceleration while prolonging brake system life.

◎静音齿轮泵,噪声检测低。

Silent gear pump ensures exceptionally low noise operation.

◎低阻实心橡胶轮胎,新型花纹设计,降低摩擦损耗;不爆胎、免维护,稳定承载,不易变形。

Low-resistance solid rubber tires with innovative tread reduce wear, providing puncture-free, maintenance-free, and stable load support with minimal deformation.

◎转弯限速功能通过转向角度传感器、车速传感器监测车辆的转弯半径与当前速度,使叉车在转弯时自动减速,防止侧翻,提升驾驶安全性。

Cornering speed control automatically slows the forklift based on steering angle and speed, preventing tipping and improving operator safety.

◎电池 IP54 级防水,安全性更高。适用温度范围大,极寒或环境温度下,叉车依旧稳定工作。

IP54-rated water-proof battery ensures greater safety and dependable performance across extreme temperatures.

◎电控在配重后部方便保养,散热性能好,布线合理。

The electronic control unit is located at the rear of the counterweight for easy maintenance, with excellent heat dissipation and well-organized wiring.

◎转向桥承重能力强,转向角度大。轮边减速器增大输出扭矩,从而提高整车在重载、低速工况下的作业能力。

The steering axle features a robust load-bearing capability and generous steering angle. The wheel-end reducer further boost output torque, thus elevating the operational capability under heavy loads and low-speed conditions.





TECHNICAL DATAS																		
General																		
1.01	Model			CPD45E		CPD50E		CPD60E		CPD70E		CPD80E		CPD100E		CPD120SE		
1.02	Rated capacity	Q	Kg	4500		5000		6000		7000		8000		10000		12000		
1.03	Load center distance	C	mm	500					600					600				
1.04	Power type			Lithium Battery	Battery	Lithium Battery	Battery	Lithium Battery	Battery	Lithium Battery	Battery	Lithium Battery	Battery	Lithium Battery	Battery	Lithium Battery	Battery	
1.05	Driving type			Seated					Seated					Seated				
1.06	Wheel base	L1	mm	2050					2350					2680				
Tyres																		
2.01	Tyre type			Solid tyre					Solid tyre					Solid tyre				
2.02	Wheel number (front/rear)			2×/2					4X/2					4X/2				
2.03	Front tread	W3	mm	1280					1470					1600				
2.04	Rear tread	W2	mm	1190					1190					1410				
2.05	Tyre (front)			250-15		28X12.5-15			8.25-15					9.00-20				
2.06	Tyre (rear)			7.00-12		7.00-12			250-15					8.25-15		300-15		
Size																		
3.01	Front overhang	L2	mm	565					580		585		590		700			
3.02	Mast tilting angle, front/rear	α/β	°	6/12					6/10					6/12				
3.03	Height with mast retraction	H1	mm	2250					2500					2850				
3.04	Free lifting height	H3	mm	150					165					200				
3.05	Max. lifting height	H	mm	3000					3000					3000				
3.06	Max. height after lifting	H2	mm	4280					4420					4420				
3.07	Overhead guard height	H4	mm	2255					2470					2585				
3.08	Fork size: length×width×thickness	L x W x T	mm	1070×150×50					1220x150x60		1220x150x65		1220x170x70		1220X175X80		1220X175X85	
3.09	Overall length(fork excluded)	L'	mm	3135					3452		3457		3462		4050			
3.10	Overall width	W1	mm	1400					2002					2170				
3.11	Turning radius	r	mm	2900					3180					3670				
3.12	Ground clearance of mast	H5	mm	140					160					250				
3.13	Ground clearance of wheel base center (loaded)	H6	mm	145					170					310				
3.14	Lateral fork adjustment Max./Min.	W5	mm	1380/300					1840-300					2080-450				
Performance																		
4.01	Travelling speed (loaded/unloaded)		km/h	13/15					14/16					13/15				
4.02	Lifting speed (loaded/unloaded)		mm/s	300/400		280/400			350/450		320/450		300/450		260/320		240/280	
4.03	Lowering speed(loaded)		mm/s	< 600					< 600					< 600				
4.04	Gradeability (loaded)		%	15					15					15				
Weight																		
5.01	Total weight (with battery)		Kg	6250	6700	6780	7200	9200	9450	9800	10300	10800	11500	13300	13770	14400	14830	
Lithium Battery																		
6.01	Lithium Battery voltage /capacity		V/Ah	80/410	80/560	80/460	80/630	76.8/608	80/700	76.8/608	80/800	76.8/808	80/880	76.8/920	80/900	76.8/1120	80/1000	
6.02	Lithium Battery weight		Kg	374	1265	380	1565	510	1865	510	2090	510	2120	520	2190	755	2390	
Motor and controller																		
7.01	Driving motor power(S2-60 minutes)		Kw	17		18			30		30		30		30		30	
7.02	Lifting motor power(S3-15%)		Kw	26					2X26		2X26		2X26		2X26		2X26	
7.03	Electronic controller			ZAPI					ZAPI					Inmotion				
7.04	Charger		V/A	80/200	80/100	80/200	80/100	80/200	80/100	80/200	80/100	80/200	80/100	80/400	80/100	80/400	80/100	
7.05	Service brake/parking brake			Hydraulic / Mechanical					Hydraulic / Mechanical					Hydraulic / Mechanical				
7.06	Hydraulic system working pressure		Mpa	19.5					19.5					19.5				

WIDE VIEW MAST

Mast model	Max.lifting height (mm)	Load capacity (kg) (load center 500mm)		Load capacity (kg) (load center 600mm)					Mast overall height (mm)			Mast tilting angle° (front/rear)
		4.5T	5T	6T	7T	8T	10T	12ST	4.5-5T	6-8T	10-12ST	
M300	3000	4500	5000	6000	7000	8000	10000	12000	2225	2480	2850	6/12
M350	3500	4500	5000	6000	7000	8000	10000	12000	2475	2730	3100	6/12
M400	4000	4300	5000	6000	7000	8000	10000	12000	2825	3030	3400	6/6
M450	4500	4300 *4500	4700 *5000	5800	6800	7700	9000	11000	3075	3290	3650	6/6
M500	5000	4000 *4200	4250 *4600	5600	6600	7400	8500	10000	3325	3530	3900	6/6
M550	5500	3600 *4000	4000 *4200	5400	6300	7000	8000	9000	3625	3830	4200	3/6
M600	6000	*3600	*3800	5200	6000	6700	7500	8000	3875	4080	4450	3/6

WIDE VIEW FULL FREE 2-STAGE MAST

Mast model	Max.lifting height (mm)	Load capacity (kg) (load center 500mm)		Load capacity (kg) (load center 600mm)					Mast overall height (mm)			Free lifting height (with backrest)			Mast tilting angle° (front/rear)	
		4.5T	5T	6T	7T	8T	10T	12ST	4.5-5T	6-8T	10-12ST	4.5-5T	6-8T	10-12ST	4.5-5T	6-12ST
ZM300	3000	4500	5000	6000	7000	8000	10000	12000	2240	2470	2850	950	1038	1360	6/12	6/12
ZM330	3300	4500	5000	6000	7000	8000	10000	12000	2390	2620	2975	1100	1188	1485	6/12	6/12
ZM350	3500	4500	5000	6000	7000	8000	10000	12000	2490	2720	3100	1200	1288	1610	6/12	6/12
ZM375	3750	4500	5000	6000	7000	8000	10000	12000	2615	2845	3225	1325	1413	1735	6/12	6/12
ZM400	4000	4500	5000	6000	7000	8000	10000	12000	2740	3020	3400	1450	1588	1910	6/6	6/12
ZM450	4500	/	/	5800	6800	7700	9000	11000	/	3270	3650	/	1838	2160	/	6/6
ZM500	5000	/	/	5600	6600	7400	8500	10000	/	3520	3900	/	2088	2410	/	6/6
ZM550	5500	/	/	5400	6300	7000	8000	9000	/	3820	4200	/	2388	2710	/	3/6
ZM600	6000	/	/	5200	6000	6700	7500	8000	/	4070	4450	/	2638	2960	/	3/6

WIDE VIEW FULL FREE 3-STAGE MAST

Mast model	Max.lifting height (mm)	Load capacity (kg) (load center 500mm)		Load capacity (kg) (load center 600mm)					Mast overall height (mm)			Free lifting height (with backrest)			Mast tilting angle° (front/rear)
		4.5T	5T	6T	7T	8T	10T	12ST	4.5-5T	6-8T	10-12ST	4.5-5T	6-8T	10-12ST	
SM360	3600	4350 *4500	4800 *5000	5600	6200	6700	8500	10500	1940	2355	2570	650	923	1100	6/6
SM400	4000	4350 *4500	4800 *5000	5600	6200	6700	8500	10500	2080	2490	2700	790	1058	1230	6/6
SM435	4350	4350 *4500	4800 *5000	5600	6200	6700	8500	10500	2190	2605	2820	900	1173	1350	6/6
SM450	4500	4350 *4500	4800 *5000	5600	6200	6700	8200	9500	2240	2655	2870	950	1223	1400	6/6
SM480	4800	3900 *4100	4400 *4700	5600	6200	6700	8000	9000	2355	2760	2970	1065	1328	1500	6/6
SM500	5000	3800 *4000	4200 *4500	5600	6200	6700	7700	8500	2440	2825	3035	1150	1393	1565	6/6
SM600	6000	*3400	*3800	5000	5400	6100	6300	7500	2790	3160	3425	1500	1728	1955	3/6

(1)Parameters marked with "*" indicate the carrying capacity with twin tires

