

PD-A Series 2.0-3.5t

内燃平衡重式叉车
Internal Combustion Counterbalance Forklift



部件升级|整机更可靠
Component upgrades
Forklift is more reliable



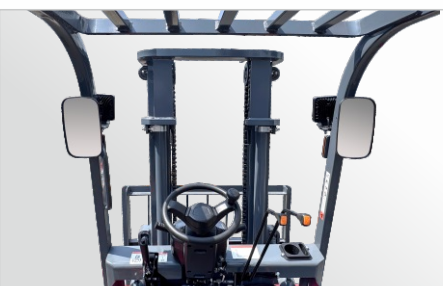
效率提升|性能更优越
Efficiency improvement
Better performance



多重选择|动力更丰富
Multiple choices
More power



人机优化|操作更舒适
Ergonomic Optimization
More comfortable operation



宽视野门架+小直径方向盘
Wide-View Mast with small diameter steering wheel



铸造转向桥, 升级转角性能, 作业更高效
Equipped with a cast steering axle and optimized steering angle, ensuring greater maneuverability and operational efficiency.



优化散热通道+装配低排气
Optimized heat dissipation channels Assembled with low exhaust



整车标配LED灯光, 安全、节能、高效
Equipped with LED lighting as standard — safe, energy-efficient, and built for performance.



机罩开启达80°, 维保空间更充裕
The hood can be opened up to 80° for more maintenance space



人机工程设计座椅, 配合更大腿部空间, 减少疲劳
Ergonomically designed chairs with more legroom and reduced fatigue

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2.0-3.5t
PD-A 系列内燃平衡重式叉车
Series Internal Combustion Counterbalance Forklift

FLAG



PD20A/25A/30A/35A

PD-A Series 2.0-3.5t

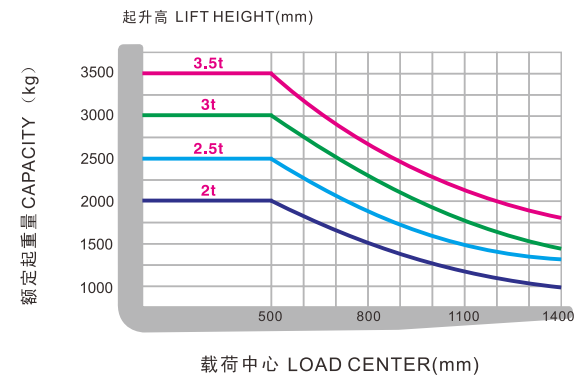
内燃平衡重式叉车
Internal Combustion Counterbalance Forklift

技术参数 Technical parameters

型 号 Model		单位 unit	PD20A	PD25A	PD30A	PD35A
特征 Identification						
1.01 驱动型式	Drive		柴油 Diesel			
1.02 操作型式	Operator type		座驾 Seated			
1.03 额定荷载能力	Load capacity/rated load	kg	2000	2500	3000	3500
1.04 载荷中心距	Load centre	mm	500	500	500	500
1.05 前悬距	Front overhang	mm	460	460	485	485
1.06 轴距	Wheelbase	mm	1650	1650	1760	1760
重量 Weight						
2.01 自重 (含电池)	Service weight including battery	kg	3300	3650	4200	4450
2.02 前/后轴荷, 满载	Front/rear axle load, fully loaded	kg	4710/600	5450/700	6300/900	7000/950
2.03 前/后轴荷, 空载	Front/rear axle load, unloaded	kg	1550/1750	1475/2185	1850/2350	2000/2450
轮胎/底盘 Tires/Chassis						
3.01 轮胎类型	Tire type		充气胎 Pneumatic			
3.02 前轮规格	Wheel size, front		7.00-12-12PR	7.00-12-12PR	28x9-15-14PR	28x9-15-14PR
3.03 后轮规格	Wheel size, rear		6.00-9-10PR	6.00-9-10PR	6.50-10-10PR	6.50-10-10PR
3.04 前/后轮数量 (x=驱动轮)	Wheels, number front/rear (x = driven wheels)		2x/2	2x/2	2x/2	2x/2
3.05 前轮轮距	Track width, front	mm	970	970	1000	1000
3.06 后轮轮距	Track width, rear	mm	970	970	970	970
基本尺寸 Dimensions						
4.01 门架或货叉架倾仰角, 前/后	Tilt of fork, forward/backward	°	6/12	6/12	6/12	6/12
4.02 门架回缩高度	Height, mast lowered	mm	2050	2050	2115	2115
4.03 自由起升高度	Free lift	mm	150	150	150	150
4.04 起升高度	Lift height	mm	3000	3000	3000	3000
4.05 门架展开高度 (带挡货架)	Height, mast extended	mm	4040	4040	4160	4160
4.06 护顶架高度	Height of overhead guard (cabin)	mm	2100	2100	2120	2120
4.07 座位S/P/站台离地高度	Seat height	mm	1145	1145	1165	1165
4.08 总体长度	Overall length	mm	3685	3685	3850	3850
4.09 车体长度 (无货叉)	Length to face of forks	mm	2615	2615	2780	2780
4.10 总体宽度	Overall width	mm	1160	1160	1230	1230

型 号 Model		单位 unit	PD20A	PD25A	PD30A	PD35A
4.11 货叉尺寸	Fork dimensions	mm	40/122/1070	40/122/1070	45/125/1070	50/125/1070
4.12 货叉架类型 (ISO 2328, A/B)	Fork carriage ISO 2328, class/type A, B		2A	2A	3A	3A
4.13 挡货架宽度 (内宽)	Fork carriage width	mm	1040	1040	1100	1100
4.14 门架下方离地间隙 (无载, 自由起升状态)	Ground clearance, with load, below mast	mm	110	110	130	130
4.15 轴距中心离地间隙	Ground clearance, center of wheelbase	mm	140	140	160	160
4.16 工作通道宽度 (1000×1200托盘, 1200跨货叉放置)	Aisle width for pallets 1000x1200 crossways	mm	3950	3950	4100	4100
4.17 工作通道宽度 (800×1200托盘, 1200沿货叉放置)	Aisle width for pallets 800x1200 lengthways	mm	4150	4150	4300	4300
4.18 转弯半径	Turning radius	mm	2280	2280	2400	2400
性能 Performance data						
5.01 最大行驶速度, 满载/空载	Maximum travel speed, fully loaded/unloaded	km/h	18/18	18/18	18/19	18/19
5.02 起升速度, 满载/空载	Lifting speed, full/unloaded	m/s	0.5/0.53	0.5/0.53	0.42/0.45	0.38/0.43
5.03 下降速度, 满载/空载	Descent speed, full/unloaded	m/s	0.42/0.44	0.43/0.45	0.43/0.45	0.44/0.46
5.04 爬坡能力, 满载/空载	Gradeability, fully loaded/unloaded	%	20/20	20/20	20/20	20/20
5.06 行车制动类型	Service brake		机械/液压 Mechanical/Hydraulic			
发动机 Engine						
6.01 发动机型号	Engine model		V29-50V42	V29-50V42	V29-50V42	V29-50V42
6.02 发动机功率	Engine power	kW	36.8	36.8	36.8	36.8
6.03 额定转速	Rated speed	r/min	2500	2500	2500	2500
6.04 缸数/排量	Number of cylinders/displacement	/L	4/2.85	4/2.85	4/2.85	4/2.85
6.05 电池电压/容量	Battery voltage/capacity	V/Ah	12/80	12/80	12/80	12/80
6.06 传动装置类型	Transmission type		机械传动/液力传动 Transmission Type: Mechanical/Hydraulic			
其他 Other						
7.01 工作压力	Work pressure	bar	165	165	180	180
7.02 燃油箱容积	Fuel tank volume	L	65	65	70	70

载荷曲线图 Load curve



注:
竖轴表示承载量,横轴表示载荷中心。载荷中心是从货叉正面计算起,标准载荷的基点是指负荷边长为1000毫米的立方体中心位置。当门架前倾、使用非标准货叉或装载超过正常宽度的负荷时,将会使承载量减少。通过负荷曲线图,能及时地了解标准门架在各种载荷中心时的承载能力。

Note:
The vertical axis represents the load capacity, and the horizontal axis represents the load center. The center of load is calculated from the front of the fork, and the base point of the standard load refers to the center position of the cube with a load side length of 1000 mm. When the mast is tilted forward, non-standard forks are used, or loads that exceed the normal width are loaded, the load capacity will be reduced. Through the load curve diagram, the bearing capacity of the standard mast at various load centers can be understood in a timely manner.

可选配发动机技术参数 Optional Engine

发动机型号 Engine model	额定功率(kw)/转速(rpm) Engine model rated power (kW) / speed (rpm)	发动机排量(L) Displacement (L)	缸数-缸径×行程 Number of cylinders - bore x stroke	排放标准 Emission standards
全柴 (Quanchai) V29-50V42	36.8/2500	2.85	4-93×105	国IV Country IV
新昌 (Xinchang) C490BPG	40/2650	2.67	4-90×105	国II Country II
三菱 (Mitsubishi) S4S	35.3/2250	3.331	4-94×120	国III Country III
五十铃 (Isuzu) C240	35.4/2500	2.369	4-86×102	国III Country III
GCT K25 -EPA	30.5/2600	2.488	4-89×100	单燃料/双燃料 Mono-fuel/dual-fuel
GCT K25	30.5/2600	2.488	4-89×100	单燃料/双燃料 Mono-fuel/dual-fuel

门架型号配置表 Mast model configuration table

门架类型 Type of mast	门架型号 Mast model	起升高度 (mm) Lifting height (mm)	承载能力 (kg) Load capacity(kg)				落地高度 (mm) Landing height(mm)		自由起升高度 (带挡货架) (mm) Free lifting height(with rack stopper) (mm)		门架倾角α/β(°) Mast inclinationα/β(°)	
			2t	2.5t	3t	3.5t	2-2.5t	3-3.5t	2-2.5t	3-3.5t	2-2.5t	3-3.5t
宽视野标准门架 Wide View Standard Mast	M200	2000	2000	2500	3000	3500	1765	1615	150	150	6/12	6/12
	M250	2500	2000	2500	3000	3500	2015	1685	150	150	6/12	6/12
	M300	3000	2000	2500	3000	3500	2165	2115	150	150	6/12	6/12
	M330	3300	2000	2500	3000	3500	2265	2265	150	150	6/12	6/12
	M350	3500	2000	2500	3000	3500	2565	2365	150	150	6/12	6/12
	M400	4000	2000	2500	2950	3400	2815	2665	150	150	6/12	6/12
	M450	4500	1900	2200	2750	3150	3065	2915	150	150	6/6	6/6
	M500	5000	1600	1700	2400	2700	3365	3165	150	150	6/6	6/6
	M550	5500	1200	1300	2250	2500	3615	3465	150	150	3/6	3/6
宽视野二级全自由门架 Wide View Full Free 2-Stage Mast	M600	6000	1000	1100	1500	1700	3655	3715	150	150	3/6	3/6
	Z250	2500	2000	2500	3000	3500	1805	1865	760	720	6/12	6/12
	Z300	3000	2000	2500	3000	3500	2055	2115	1010	970	6/12	6/12
	Z330	3300	2000	2500	3000	3500	2205	2265	1160	1120	6/12	6/12
	Z350	3500	2000	2500	3000	3500	2305	2365	1260	1220	6/12	6/12
	Z400	4000	2000	2500	2950	3400	2605	2665	1560	1520	6/6	6/12
宽视野三级全自由门架 Wide View Full Free 3-Stage Mast	Z450	4500	1800	2100	2400	2700	2855	2815	1810	1770	6/6	6/6
	S400	4000	1950	2450	2900	3400	1890	1970	880	830	6/6	6/6
	S450	4500	1800	2150	2700	2950	2060	2135	1050	995	6/6	6/6
	S480	4800	1700	1800	2500	2850	2160	2235	1150	1095	6/6	6/6
	S500	5000	1550	1600	2400	2750	2230	2305	1220	1165	6/6	6/6
	S550	5500	1200	1300	2200	2300	2440	2520	1430	1380	3/6	3/6
	S600	6000	800	850	1500	1700	2610	2685	1600	1545	3/6	3/6

