## 高品质锂电池
*High qualitylithium battery*

标配和鼎大品牌锂电池， 使用寿命长， 质保五年。 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. Long service life, five-year' s warranty, zero pollution, maintenance free. 1.5-2 hours for full charge, more suitable for multi-shift work.

## 加强型部件
*Reinforced components*

配置免维护湿式盘式制动系统， 制动性能优异。 一体式铸造驱动桥久经市场验证。 结构紧凑。 受载变形小， 防水防尘， 维护成本低。

The maintenance-free wet disc brake system provides excellent brake performance. The compact structure, small deflection, and dust-proof and water-proof design of the casting steering axle endow the forklift with long service life and working reliability.

## 高效的驱动系统
*Efficient driving system*

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.

## 主副液压油箱
*Main and auxiliary hydraulic oil tanks*

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， 且配有过滤装置， 保证良好的散热性能和液压油清洁度。

Equipped with main and auxiliary hydraulic oil tanks. The enlarged fluid capacity ensures the steady operation of hydraulic system while the filter unit and extended cooling area make for excellent heat dissipation performance and optimum fluid cleanliness.

## VMAX 公司简介 History

安徽维麦重工股份有限公司（以下简称“公司”。）位于安徽省六安市金安经济开发区，2017 年于北京证券交易所成功上市，股票代码 871332。公司被评为“安徽省高新技术企业”，“安徽省专精特新中小企业”，“安徽省两化融合示范企业”，拥有创新型企业及工业设计中心，“维麦科斯”被评为安徽省著名商标，“维麦叉车”获得安徽省名牌产品称号。

公司专业生产 1-18 吨内燃叉车、1-12 吨电动叉车、搬运车、堆垛车、越野叉车等全系列、多品种的产品，同时为客户提供智能物流整体解决方案以及包括产品配件销售、修理、租赁、再制造，人才培训等在内的工业车辆后市场业务。为响应国家“碳达峰、碳中和”及减碳“3060 目标”等重大战略，公司积极布局产品新能源战略。重点发展各类型锂电及氢燃料电池等新能源产品。实现产品战略转型升级和高质量发展目标。

Anhui Vmax Heavy Industry Co., LTD (hereinafter referred to as "the Company") is located in Jin'an Economic Development Zone, Lu'an City, Anhui Province. In 2017, the Company was successfully listed in Beijing Stock Exchange with the stock code 871332. The Company offers a complete product range of material handling equipment, 1.0-18.0t internal combustion forklift, 1.0-12.0t electric counterbalance forklift, pallet truck, stacker, off-road forklift, etc.. The Company also provides customers with intelligent logistics overall solutions, as well as industrial vehicle aftermarket business which includes spare parts sales, repairing, leasing, remanufacturing, and talent training. In response to the national "Carbon Peak, Carbon Neutral" and carbon reduction "3060 target" and other major strategies, the Company has been actively committed to the new energy strategy, focusing on the development of various types of lithium and hydrogen fuel cells and other new energy products, to achieve the strategic transformation and upgrading of products and high quality development goals

*本公司保留产品设计结构修改权利，恕难通知，敬请谅解。 *Our products are subject to improvements and changes without notice

维麦官网　　官方微信 WECHAT


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网址 (web):www.vmaxchina.com

# 5-8t
## H系列锂电池平衡重式叉车
### H SERIES LITHIUM BATTERY POWERED COUNTERBALANCE FORKLIFT

VMAX 安徽维麦重工股份有限公司
ANHUI VMAX HEAVY INDUSTRY CO.,LTD

## 充电口侧置
*Side-placed charging port*

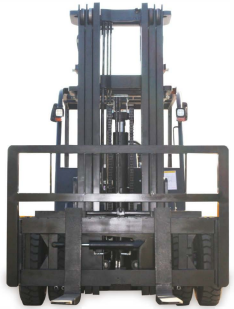
充电口侧置， 匹配国标充电枪， 充电方便 。锂电池可在高达 55℃的环境下工作。极寒温度下，可选装电池自加热功能，电池仍能保持优良放电性能。

The side-placed charging port is configured with China national standard charging gun. The lithium battery can operate at temperatures up to 55℃. Under extreme cold temperatures, the battery can still maintain excellent discharge performance with optional self-heating function.

## 电控系统
*Electronic control system*

标配进口 ZAPI 电控，叉车启动 、行走 、货叉起升皆由电脑控制，精准高效。具有再生制动、坡道制动和故障自诊断功能。

Standard equipped with ZAPI electronic control system. The start, driving and loading are all controlled by computer with a high precision and efficiency. It has regenerative braking, ramp braking and fault self-diagnosis functions.

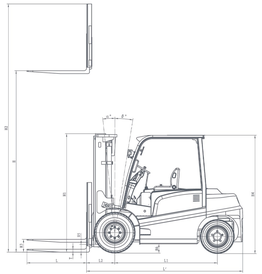


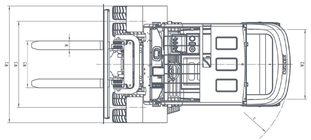
## 制造商和技术参数 Manufacturer and technical data

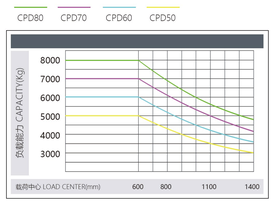
| | 特性 | Characteristics | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1.01 | 制造商 | Manufacturer | | | VMAX | | | |
| 1.02 | 型号 | Model | | | CPD50 | CPD60 | CPD70 | CPD80 |
| 1.03 | 额定起重量 | Rated capacity | Q | kg | 5000 | 6000 | 7000 | 8000 |
| 1.04 | 载荷中心距 | Load center distance | C | mm | 600 | 600 | 600 | 600 |
| 1.05 | 动力形式 | Power type | | | 锂电池 Lithium Battery | 锂电池 Lithium Battery | 锂电池 Lithium Battery | 锂电池 Lithium Battery |
| 1.06 | 驾驶方式 | Driving type | | | 乘坐式 Seated | 乘坐式 Seated | 乘坐式 Seated | 乘坐式 Seated |
| 1.07 | 轴距 | Wheel base | L1 | mm | 2100 | 2100 | 2350 | 2350 |
| | 轮胎 | Tyres | | | | | | |
| 2.01 | 轮胎类型，前 | Tyre type (front) | | | 充气胎 Pneumatic tyre | 充气胎 Pneumatic tyre | 充气胎 Pneumatic tyre | 充气胎 Pneumatic tyre |
| 2.02 | 轮胎类型，后 | Tyre type (rear) | | | 实心胎 Solid tyre | 实心胎 Solid tyre | 实心胎 Solid tyre | 实心胎 Solid tyre |
| 2.03 | 车轮数量（前/后） | Wheel number(front/rear) | | | 2/2 | 4/2 | 4/2 | 4/2 |
| 2.04 | 前轮距 | Front tread | W3 | mm | 1280 | 1470 | 1470 | 1470 |
| 2.05 | 后轮距 | Rear tread | W2 | mm | 1190 | 1190 | 1190 | 1190 |
| 2.06 | 轮胎，前 | Tyre(front) | | | 300-15-18PR | 8.25-15-14PR | 8.25-15-14PR | 8.25-15-14PR |
| 2.07 | 轮胎，后 | Tyre(rear) | | | 7.00-12 | 28*9-15 | 28*9-15 | 28*9-15 |
| | 尺寸 | Size | | | | | | |
| 3.01 | 前悬距 | Front overhang | L2 | mm | 567 | 577 | 587 | 592 |
| 3.02 | 门架倾角，前/后 | Mast tilting angle,front/rear | α/β | ° | 6/9 | 6/9 | 6/9 | 6/9 |
| 3.03 | 门架回缩时高度 | Height with mast retraction | H1 | mm | 2430 | 2430 | 2500 | 2500 |
| 3.04 | 自由起升高度 | Free lifting height | H3 | mm | 150 | 150 | 200 | 200 |
| 3.05 | 最大起升高度 | Max. lifting height | H | mm | 3000 | 3000 | 3000 | 3000 |
| 3.06 | 作业时最大高度 | Max. height after lifting | H2 | mm | 4420 | 4420 | 4420 | 4420 |
| 3.07 | 护货架高度 | Overall guard height | H4 | mm | 2400 | 2400 | 2400 | 2400 |
| 3.08 | 货叉尺寸 长×宽×厚 | Fork size: length×width×thickness | LxWxT | mm | 1220X150X50 | 1220X150X60 | 1220X150X65 | 1220X170X70 |
| 3.09 | 车体长度（不含货叉） | Overall length(fork excluded) | L` | mm | 3187 | 3197 | 3457 | 3462 |
| 3.10 | 车体宽度 | Overall width | W1 | mm | 1600 | 1995 | 1995 | 1995 |
| 3.11 | 转弯半径 | Turning radius | r | mm | 2930 | 2930 | 3180 | 3180 |
| 3.12 | 门架离地间隙 | Ground clearance of mast | H5 | mm | 160 | 160 | 160 | 160 |
| 3.13 | 轴距中心离地间隙（满载） | Ground clearance of wheel base center (loaded) | H6 | mm | 170 | 170 | 170 | 170 |
| 3.14 | 货叉调节范围（外侧）最大/最小 | Lateral fork adjustment Max./Min. | W5 | mm | 1840-300 | 1840-300 | 1840-300 | 1840-300 |
| | 性能 | Performance | | | | | | |
| 4.01 | 行驶速度（满/空载） | Travelling speed (loaded/unloaded) | | km/h | 14/16 | 13/15 | 13/15 | 13/15 |
| 4.02 | 起升速度（满/空载） | Lifting speed (loaded/unloaded) | | mm/s | 300/400 | 260/320 | 340/450 | 320/420 |
| 4.03 | 下降速度 | Lowering speed | | mm/s | ＜600 | ＜600 | ＜600 | ＜600 |
| 4.04 | 爬坡能力（满载） | Gradeability (loaded) | | % | 15 | 13 | 17 | 15 |
| | 重量 | Weight | | | | | | |
| 5.01 | 总重（包含/不包含蓄电池） | Total weight (with/without battery) | | Kg | 8300 | 9400 | 10100 | 11200 |
| | 锂电池 | Lithium Battery | | | | | | |
| 6.01 | 锂电池电压/容量 | Lithium Battery voltage /capacity | | V/Ah | 80/560 | 80/608 | 80/608 | 80/808 |
| 6.02 | 锂电池重量（含配重块） | Lithium Battery weight (with counterweight block) | | Kg | 1565 | 1865 | 2090 | 2150 |
| | 电机和控制器 | Motor and controller | | | | | | |
| 7.01 | 驱动电机功率（S2-60分钟） | Driving motor power (S2-60 minutes) | | Kw | 18 | 19 | 25 | 25 |
| 7.02 | 起升电机功率（S3-15%） | Lifting motor power(S3-15%) | | Kw | 26 | 26 | 2X26 | 2X26 |
| 7.03 | 驱动电机控制方式 | Driving motor control mode | | | 全交流 AC | 全交流 AC | 全交流 AC | 全交流 AC |
| 7.04 | 起升电机控制方式 | Lifting motor control mode | | | 全交流 AC | 全交流 AC | 全交流 AC | 全交流 AC |
| 7.05 | 行车制动/停车制动 | Service brake/parking brake | | | 液压/机械 Hydraulic / Mechanical | 液压/机械 Hydraulic / Mechanical | 液压/机械 Hydraulic / Mechanical | 液压/机械 Hydraulic / Mechanical |
| 7.06 | 液压系统工作压力 | Hydraulic system working pressure | | Mpa | 20 | 20 | 20 | 20 |

注：(1)锂电池具体品牌及其容量大小，请咨询销售或技术人员。

Note: (1)Detailed information about battery,please contact our salesmen or engineer.








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 stands for the load capacity and the horizontal axis stands for the load center. The load center is calculated from the face of the fork. The base point of the standard load is the center of the cube with a load side length of 1000 mm. When the mast leans forward, or non-standard forks are used, or loads exceeds normal width, the load capacity will be reduced. Through the load chart, the bearing capacity of the standard mast at various load centers can be timely understood.

## 能量再生技术 *RENEWABLE ENERGY TECHNOLOGIES*

应用负荷传感优先转向和交流控制能量再生技术，叉车更节能，蓄电池单作业循环时间最大延长 15%。

With the use of the excellent load-sensing steering system and AC controlling renewable energy technologies, the forklift is more energy-saving and the working hour of the battery is extended by 15%.

## 宽视野基本型门架 WIDE VIEW MAST

| 门架类型 Mast model | 最大起升高度 Max. lifting height (mm) | 承载能力（载荷中心为600mm) kg Load capacity (load center 600mm) (kg) | | | | 门架全高（货叉落地) Mast overall height (mm) | | 门架倾角 (前/后) Mast tilting angle (front/rear) |
|---|---|---|---|---|---|---|---|---|
| | | 5t | 6t | 7t | 8t | 5-6t | 7-8t | |
| M300 | 3000 | 5000 | 6000 | 7000 | 8000 | 2430 | 2500 | 6/9 |
| M330 | 3300 | 5000 | 6000 | 7000 | 8000 | 2580 | 2650 | 6/9 |
| M350 | 3500 | 5000 | 6000 | 7000 | 8000 | 2680 | 2750 | 6/9 |
| M370 | 3700 | 5000 | 6000 | 7000 | 8000 | 2780 | 2850 | 6/9 |
| M400 | 4000 | 5000 | 6000 | 7000 | 8000 | 2980 | 3050 | 6/9 |
| M450 | 4500 | 4800 | 5800 | 6800 | 7700 | 3230 | 3300 | 6/6 |
| M500 | 5000 | 4600 | 5600 | 6600 | 7400 | 3480 | 3550 | 6/6 |
| M550 | 5500 | 4400 | 5400 | 6300 | 7000 | 3780 | 3850 | 3/6 |
| M600 | 6000 | 4200 | 5200 | 6000 | 6700 | 4030 | 4100 | 3/6 |

注：(1)自由起升高度：150mm

Note: (1)Free lifting height: 150 mm

## 二级全自由门架 WIDE VIEW FULL FREE 2-STAGE MEST

| 门架类型 Mast model | 最大起升高度 Max. lifting height (mm) | 承载能力（载荷中心为600mm)kg Load capacity(load center 600mm)(kg) | | | | 门架全高（货叉落地) Mast overall height(mm) | | 自由起升（带挡货架) Free lifting height(with backrest) mm | | 门架倾角 (前/后) Mast tilting angle (front/rear) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 5t | 6t | 7t | 8t | 5-6t | 7-8t | 5-6t | 7-8t | |
| ZM300 | 3000 | 5000 | 6000 | 7000 | 8000 | 2430 | 2500 | 1287 | 1087 | 6/9 |
| ZM330 | 3300 | 5000 | 6000 | 7000 | 7600 | 2580 | 2650 | 1437 | 1237 | 6/9 |
| ZM350 | 3500 | 5000 | 6000 | 7000 | 7500 | 2680 | 2750 | 1537 | 1337 | 6/9 |
| ZM375 | 3750 | 5000 | 6000 | 7000 | 7400 | 2780 | 2875 | 1662 | 1462 | 6/9 |
| ZM400 | 4000 | 5000 | 6000 | 7000 | 7300 | 2980 | 3050 | 1837 | 1637 | 6/9 |
| ZM450 | 4500 | 4650 | 5600 | 6600 | 7100 | 3230 | 3300 | 2087 | 1887 | 6/6 |
| ZM500 | 5000 | 4500 | 5200 | 6200 | 6700 | 3480 | 3550 | 2337 | 2137 | 6/6 |
| ZM550 | 5500 | 4250 | 5000 | 6000 | 6400 | 3780 | 3850 | 2637 | 2437 | 3/6 |
| ZM600 | 6000 | 4000 | 4900 | 5900 | 5900 | 4030 | 4100 | 2887 | 2687 | 3/6 |

注：(1)自由起升高度（不带挡货架）：5-6吨:+515mm；7-8吨:+245mm

Note: (1)Free lifting height (without backrest): 5-6t: +515mm; 7-8t: +245mm

## 三级全自由门架 WIDE VIEW FULL FREE 3-STAGE MAST

| 门架类型 Mast model | 最大起升高度 Max. lifting height (mm) | 承载能力（载荷中心为600mm) kg Load capacity(load center 600mm) (kg) | | | | 门架全高（货叉落地) Mast overall height(mm) | | 自由起升（带挡货架) Free lifting height (with backrest) mm | | 门架倾角 (前/后) Mast tilting angle (front/rear) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 5t | 6t | 7t | 8t | 5-6t | 7-8t | 5-6t | 7-8t | |
| ZSM360 | 3600 | 4800 | 5800 | 6800 | 7800 | 2115 | 2375 | 740 | 1015 | 6/6 |
| ZSM400 | 4000 | 4700 | 5700 | 6700 | 7500 | 2250 | 2510 | 875 | 1150 | 6/6 |
| ZSM435 | 4350 | 4600 | 5600 | 6600 | 7200 | 2365 | 2625 | 990 | 1265 | 6/6 |
| ZSM450 | 4500 | 4400 | 5400 | 6400 | 6900 | 2415 | 2675 | 1040 | 1315 | 6/6 |
| ZSM480 | 4800 | 4200 | 5200 | 6200 | 6700 | 2515 | 2775 | 1140 | 1415 | 6/6 |
| ZSM500 | 5000 | 4000 | 5000 | 6000 | 6500 | 2580 | 2840 | 1210 | 1485 | 6/6 |
| ZSM550 | 5500 | 3700 | 4700 | 5800 | 6200 | 2750 | 3010 | 1375 | 1650 | 3/6 |
| ZSM600 | 6000 | 3400 | 4400 | 5400 | 5700 | 2965 | 3225 | 1590 | 1865 | 3/6 |

注：(1)自由起升高度（不带挡货架）：5-6吨:+515mm；7-8吨:+245mm

Note: (1)Free lifting height (without backrest): 5-6t: +515mm; 7-8t: +245mm