

# CBS10J/CBS15J/CBS20J

半电动托盘堆垛车 Semi-electric pallet stacker

## 产品性能特点:

1. 液压动力单元主要元器件选用国际知名品牌,结构紧凑,反应灵敏,;
2. 进口马达继电器,动作快、吸合能力强、使用寿命长;
3. 优质液压油缸和油路系统,工作稳定可靠;
4. 统一牌蓄电池;
5. 外置式充电器,散热性能更佳,避免内置充电器在车辆运行时因震动带来的损坏;
6. 充电器与蓄电池连接采用航空插头,操作方便、安全耐用;
7. 紧急断电开关,当车辆处于危险状态时,按下紧急断电开关就能切断电源。

## Characteristics:

1. The hydraulic power unit has a compact structure, sensitive response and its main parts of the system generally come from well-known global suppliers.
2. The imported motor relay has quick response, excellent contact performance, and long life expectancy.
3. High quality hydraulic oil cylinder and circuit system ensures stable and reliable operation.
4. TONGYI battery.
5. External positioned charger has better cooling performance and avoids the damage caused by the vibration when operating the truck with internal positioned one.
6. Aviation plug, which is used to connect charger and battery, is easy to operate, safe and durable.
7. Emergency power-off button cuts off the power in case of emergency.

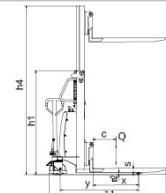
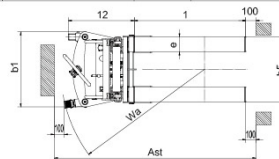


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## 制造商和技术参数 Manufacturer's Data and Design Characteristics

| 特征 Characteristics       |                                                                                  |            |                                  |                  |      |      |      |         |                 |                  |      |      |         |         |                 |                  |
|--------------------------|----------------------------------------------------------------------------------|------------|----------------------------------|------------------|------|------|------|---------|-----------------|------------------|------|------|---------|---------|-----------------|------------------|
| 1.01                     | 品牌 Manufacturer                                                                  |            | 合力(HELI)                         |                  |      |      |      |         |                 |                  |      |      |         |         |                 |                  |
| 1.02                     | 车型 Model                                                                         |            | CBS10J                           |                  |      |      |      | CBS15J  |                 |                  |      |      | CBS20J  |         |                 |                  |
| 1.03                     | 操作方式 Operation                                                                   |            | 手动 Handle                        |                  |      |      |      |         |                 |                  |      |      |         |         |                 |                  |
| 1.04                     | 额定牵引能力 Rated traction weight                                                     | Q (kg)     | 1000                             |                  |      |      |      | 1500    |                 |                  |      |      | 2000    |         |                 |                  |
| 1.05                     | 门架类型 Mast type                                                                   |            | 单门架 Single mast                  | 两级标准 2-Stage STD |      |      |      |         | 单门架 Single mast | 两级标准 2-Stage STD |      |      |         |         | 单门架 Single mast | 两级标准 2-Stage STD |
| 1.06                     | 提升高度 Lift                                                                        | h3 (mm)    | 1600                             | 2000             | 2500 | 3000 | 3500 | 1600    | 2000            | 2500             | 3000 | 3500 | 1600    | 2000    |                 |                  |
| 1.07                     | 最高点载重量 Capacity at highest height                                                | kg         | 1000                             | 800              | 700  | 600  | 500  | 1500    | 1200            | 1050             | 900  | 750  | 2000    | 1600    |                 |                  |
| 1.08                     | 自重 (含电瓶) Service weight with battery                                             | kg         | 315                              | 365              | 374  | 380  | 405  | 320     | 374             | 385              | 395  | 415  | 325     | 380     |                 |                  |
| 1.09                     | 载荷中心距 Load centre                                                                | c (mm)     | 450                              |                  |      |      |      |         |                 |                  |      |      |         |         |                 |                  |
| 1.10                     | 前悬距 Axle centre to fork face                                                     | x (mm)     | 705                              | 700              |      |      |      | 705     | 700             |                  |      |      | 705     | 700     |                 |                  |
| 1.11                     | 轴距 Wheel base                                                                    | y (mm)     | 1195                             |                  |      |      |      |         |                 |                  |      |      |         |         |                 |                  |
| 轮胎 Wheels                |                                                                                  |            |                                  |                  |      |      |      |         |                 |                  |      |      |         |         |                 |                  |
| 2.01                     | 轮胎类型 Wheels type                                                                 |            | 尼龙/聚氨酯 Nylon/Polyurethane        |                  |      |      |      |         |                 |                  |      |      |         |         |                 |                  |
| 2.02                     | 驱动轮尺寸 Driving wheel size                                                         | Φ × w (mm) | Φ 180 × 50                       |                  |      |      |      |         |                 |                  |      |      |         |         |                 |                  |
| 2.03                     | 承载轮尺寸 Bearing wheel size                                                         | Φ × w (mm) | Φ 74 × 70                        |                  |      |      |      |         |                 |                  |      |      |         |         |                 |                  |
| 2.04                     | 平衡轮尺寸 Additional wheels (dimensions)                                             | Φ × w (mm) | Φ 180 × 50                       |                  |      |      |      |         |                 |                  |      |      |         |         |                 |                  |
| 2.05                     | 驱动轮、平衡轮/承载轮数量 (x=驱动轮) Wheels, number front/rear (x= driven)                      |            | 1, 1/2                           |                  |      |      |      |         |                 |                  |      |      |         |         |                 |                  |
| 尺寸 Dimensions            |                                                                                  |            |                                  |                  |      |      |      |         |                 |                  |      |      |         |         |                 |                  |
| 3.01                     | 门架下降高度 Height of mast, lowered                                                   | h1 (mm)    | 2077                             | 1577             | 1827 | 2077 | 2327 | 2077    | 1577            | 1827             | 2077 | 2327 | 2077    | 1577    |                 |                  |
| 3.02                     | 门架最大高度 Height of mast, extended                                                  | h4 (mm)    | 2077                             | 2567             | 3067 | 3567 | 4067 | 2077    | 2567            | 3067             | 3567 | 4067 | 2077    | 2567    |                 |                  |
| 3.03                     | 货叉最低高度 Fork Height, Lowered                                                      | h13 (mm)   | 85                               |                  |      |      |      |         |                 |                  |      |      |         |         |                 |                  |
| 3.04                     | 整车长度 Overall length                                                              | l1 (mm)    | 1600 ( 900货叉 ) / 1800 ( 1100货叉 ) |                  |      |      |      |         |                 |                  |      |      |         |         |                 |                  |
| 3.05                     | 车体长度 Length to fork face                                                         | l2 (mm)    | 700                              |                  |      |      |      |         |                 |                  |      |      |         |         |                 |                  |
| 3.06                     | 整车宽度 Overall width                                                               | b1 (mm)    | 760                              |                  |      |      |      |         |                 |                  |      |      |         |         |                 |                  |
| 3.07                     | 货叉尺寸 Fork dimensions                                                             | e1 (mm)    | 150/900 ( 1100 )                 |                  |      |      |      |         |                 |                  |      |      |         |         |                 |                  |
| 3.08                     | 货叉外宽 Width of forks                                                              | b5 (mm)    | 550/640                          |                  |      |      | 640  | 550/640 |                 |                  |      | 640  | 550/640 |         |                 |                  |
| 3.09                     | 轴距中心处离地间隙 Min.Ground clearance                                                   | m2 (mm)    | 32                               |                  |      |      |      |         |                 |                  |      |      |         |         |                 |                  |
| 3.10                     | 通道宽度: 1000×1200托盘 ( 1200跨货叉放置 ) Aisle width with pallet 1000 x 1200 across forks | Ast (mm)   | 2250                             |                  |      |      |      |         |                 |                  |      |      |         |         |                 |                  |
| 3.11                     | 通道宽度: 800×1200托盘 ( 1200沿货叉放置 ) Aisle width with pallet 800 x 1200 along forks    | Ast (mm)   | 2240                             |                  |      |      |      |         |                 |                  |      |      |         |         |                 |                  |
| 3.12                     | 转弯半径 Min.Turning radius                                                          | Wa (mm)    | 1350                             |                  |      |      |      |         |                 |                  |      |      |         |         |                 |                  |
| 性能 Performance           |                                                                                  |            |                                  |                  |      |      |      |         |                 |                  |      |      |         |         |                 |                  |
| 4.01                     | 提升速度 满载/空载 Lifting speed, with/without load                                      | (mm/s)     | 78/145                           | 76/143           |      |      |      | 78/145  | 76/143          |                  |      |      | 78/145  | 76/143  |                 |                  |
| 4.02                     | 下降速度 满载/空载 Lowering speed, with/without load                                     | (mm/s)     | 123/107                          | 104/93           |      |      |      | 127/111 | 108/97          |                  |      |      | 131/115 | 112/107 |                 |                  |
| 4.03                     | 制动类型 Service brake                                                               |            | 机械 Machinery                     |                  |      |      |      |         |                 |                  |      |      |         |         |                 |                  |
| 电机和蓄电池 Drive and Battery |                                                                                  |            |                                  |                  |      |      |      |         |                 |                  |      |      |         |         |                 |                  |
| 5.01                     | 起升电机功率 Lift motor rating at S3 15%                                               | (kW)       | 1.5                              |                  |      |      |      |         |                 |                  |      |      |         |         |                 |                  |
| 5.02                     | 蓄电池: 根据 DIN 43531/35/36 A,B,C,no Battery according to DIN 43531/35/36 A,B,C,no   |            | no                               |                  |      |      |      |         |                 |                  |      |      |         |         |                 |                  |
| 5.03                     | 蓄电池电压/容量 Battery voltage/rated capacity                                          | (V/Ah)     | 12/120                           |                  |      |      |      |         |                 |                  |      |      |         |         |                 |                  |
| 5.04                     | 蓄电池重量 ( ± 5% ) Battery weight ( ± 5% )                                           | (kg)       | 36                               |                  |      |      |      |         |                 |                  |      |      |         |         |                 |                  |
| 其他 Others                |                                                                                  |            |                                  |                  |      |      |      |         |                 |                  |      |      |         |         |                 |                  |
| 6.01                     | 噪音水平 Noise level at operator 's ear                                              | (dB(A))    | 67                               |                  |      |      |      |         |                 |                  |      |      |         |         |                 |                  |



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