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# HGY

## Elevator Type Self-climbing Concrete Placing Boom

## HGY内爬式混凝土布料机

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### 产品简介

### Brief Introduction

Elevator type self-climbing concrete placing boom is used for concrete placing in high building projects. Equipped with self-climbing frames which are driven by hydraulic cylinders, could be self-climbing along elevator hoist way as building rising, which can save time and labor with high efficient.

内爬式混凝土布料机是高层建筑混凝土施工的布料设备。布料机固定在电梯井内，配置自动爬升机构，利用液压油缸顶升，在电梯井内自动爬升，使布料机随着楼层的升高而升高，省时省力，效率高。

### 技术特点

### Technical Features

- There are three operation modes: manual, wired remote control and wireless remote control;
- The main elements of the electrical system and the hydraulic system adopt the world famous brand products, guaranteeing the reliability of the products.
- There are two working modes to select: the floor frame and the shaft frame.
- The slewing mechanism adopts three working modes: normally close brake, slow-motion (when distributing) and quick-motion (when transferring), which can prevent accidents due to the man-made improper operations during high-altitude operations.
- The arm support adopts limit element analysis calculation, dynamic analysis calculation, wall-impingement tests and industrial reliability tests, together with tests and control of many technological processes so that the arm support system has steady operation, long service life and safety and reliability.
- It adopts world cutting edge remote control and electrolyte proportional control so as to have comprehensive function and flexible operation; and the hydraulic impact and the reversing impact are small so that the reversing and the extending actions of the cloth arm are steady.
- It is provided with multi-safety devices, with high security.
- It adopts anti-wear steel pipe materials, with long service life and low use cost.

1、手动，有线遥控，无线遥控三种操纵方式。
2、电气系统和液压系统主要元器件选用世界知名品牌，保证产品的可靠性。
3、工作方式有楼面内爬和电梯井内爬方式供选择。
4、回转机构采用常闭制动，慢动(布料时)，快动(转移时)三种工作方式，防止在高空作业时认为的误操作而产生事故。
5、臂架采用有限元分析计算，动态分析计算，碰壁试验及工业可靠性试验，加上多道工艺流程的检验和控制，使臂架系统 工作平稳，寿命长，安全可靠。
6、采用国际一流的遥控和电液比例控制，功能全面，操纵灵活;液压冲击及换向冲击小，同时使布料臂的回转，伸展动作更加平稳。
7、安全性高，具有多重安全保护装置。
8、采用耐磨钢管材料，保证使用寿面长，使用成本低。

### Technical Parameters 主要技术参数

| 名称 Item | 单位 Unit | 型号及参数 Models and parameter | | |
|---|---|---|---|---|
| | | HGY24D | HGY28D | HGY32D |
| 最大布料半径 Max. placing radius | m | 24 | 27.5 | 32 |
| 软管长度 Hose length | m | 3 | 3 | 3 |
| 砼输送管 Concrete delivery pipe | mm | ø125×6 | ø125×6 | ø125×6 |
| 尾部回转半径 Tail rotary radius | m | 3.9 | 3.9 | - |
| 电机总功率 Total power | kw | 5.5 | 5.5 | 15 |
| 液压压力 Hydraulic pressure | MPa | 24 | 24 | 24 |
| 回转范围 Rotary range | ° | 0～360 | 0～360 | 0～360 |
| 顶升速度 Lifting speed | m/min | 0.65 | 0.65 | 0.65 |
| 顶升高度（米/次） Lifting height | m/time | ≤3.6 | ≤3.6 | ≤3.6 |
| 整机高度 Overall height | m | 13.3 | 12.6 | 22.9 |
| 裸机重量 Bare machine weight | kg | 9500 | 10720 | 16700 |
| 操作方式 Control mode | | 面板/无线遥控 Panel/ Wireless remote contro | 面板/无线遥控 Panel/ Wireless remote contro | 面板/无线遥控 Panel/ Wireless remote contro |