

## 无齿曳引机

### Gearless traction machine

## WWTY.1



### • 产品特点 Product Characteristics

曳引比: 2:1

额定载重: 400、630、1600kg

额定梯速: 0.63、1、1.6、1.75m/s

最大轴负荷: 5000kg

适配变频器: 3相400V级

制动器电压: 打开电压DC200V, 保持电压DC100V

电动机极数: 32极

Traction ratio: 2:1

Rated capacity: 400、630、1600kg

Rated elevator speed: 0.63、1、1.6、1.75m/s

Max. shaft load: 5000kg

Applicable converter: 3 phase 400V

Brake voltage: DC200V for brake opening, and DC100V for brake holding

Number of motor poles: 32 poles

## • 产品描述 Product Description

本系列永磁同步无齿曳引机，采用低速、大力矩的三相永磁同步电动机直接驱动方式，因此具有低能耗、低噪音、无污染、少维护等优越性。

由于它采用扁平的框架结构，提供三个安装面。可安装在底层或中间任意位置，也可安装井道顶部。

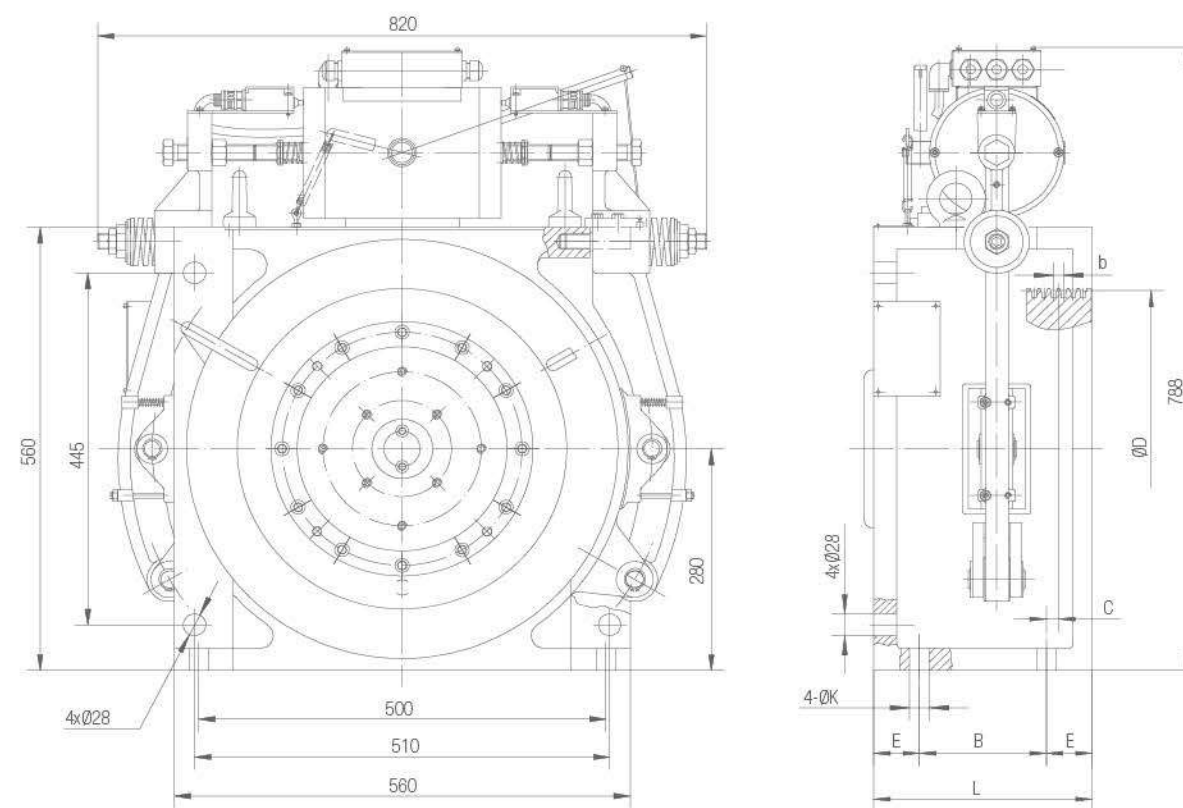
曳引方式可布置为上拉,也可布置为下拉,并具有远距离手动松闸功能。曳引机包角只能为 $180^{\circ}$ 。

This series of permanent-magnet synchronous gearless traction machines is directly driven by a low-speed, high-torque, 3-phase permanent magnet synchronous motor, and has the advantages of low energy consumption, low noises, no pollution, and little maintenance.

By using flat frame structure with three mounting surfaces, this series of traction machines can be installed on bottom floor or any middle positions or on the top of shaft way.

These traction machines can be arranged for providing upward traction or downward traction, and have remote manual brake release function. Wrap angle of the traction machine can be only 180°.

- 外形和安装尺寸 Overall dimensions and mounting dimensions



| 型号<br>Type | 规格<br>Specification | 曳引比<br>Traction<br>Ratio | 梯速<br>Speed<br>(m/s) | 载重<br>Load<br>(kg) | 功率<br>Power<br>(kW) | 转速<br>Rev<br>(r/min) | 频率<br>Frequency<br>(Hz) | 电流<br>Current<br>(A) | 转矩<br>Torque<br>(N•m) | 绳规<br>Rope | 自重<br>weight<br>(kg) | L   | B   | C  | E  | K   | D   | b   | 推荐提升高度<br>Recommended<br>lifting height (m) |
|------------|---------------------|--------------------------|----------------------|--------------------|---------------------|----------------------|-------------------------|----------------------|-----------------------|------------|----------------------|-----|-----|----|----|-----|-----|-----|---------------------------------------------|
| WWTY       | 1-6.3-400           | 2:1                      | 0.63                 | 400                | 1.8                 | 60                   | 16                      | 4.8                  | 271                   | 3×Ø8       | 340                  | 200 | 88  | 33 | 56 | 24  | 400 | 12  | 45                                          |
|            | 1                   |                          | 2.7                  |                    | 96                  | 25.6                 | 7.2                     | 278                  | 70                    |            |                      |     |     |    |    |     |     |     |                                             |
|            | 1.6                 |                          | 4.5                  |                    | 153                 | 40.8                 | 11.2                    | 281                  | 80                    |            |                      |     |     |    |    |     |     |     |                                             |
|            | 1-6.3-630           |                          | 0.63                 | 630                | 2.8                 | 60                   | 16                      | 7.2                  | 438                   | 4×Ø8       | 370                  | 228 | 116 | 27 | 56 | 24  | 400 | 12  | 90                                          |
|            | 1                   |                          | 4.4                  |                    | 96                  | 25.6                 | 11                      | 438                  | 120                   |            |                      |     |     |    |    |     |     |     |                                             |
|            | 1.6                 |                          | 7                    |                    | 153                 | 40.8                 | 16.8                    | 438                  | 120                   |            |                      |     |     |    |    |     |     |     |                                             |
|            | 1-17.5-630          |                          | 1.75                 | 7.7                | 167                 | 44.6                 | 18.2                    | 438                  | 7×Ø10                 | 490        | 350                  | 222 | 8   | 64 | 28 | 410 | 14  | 45  |                                             |
|            | 1-6.3-1600          |                          | 0.63                 | 6.9                | 59                  | 15.7                 | 16.6                    | 1120                 |                       |            |                      |     |     |    |    |     |     | 70  |                                             |
|            | 1-10-1600           |                          | 1                    | 10.9               | 93                  | 24.8                 | 26.8                    | 1120                 |                       |            |                      |     |     |    |    |     |     | 80  |                                             |
|            | 1-16-1600           |                          | 1.6                  | 17.4               | 149                 | 39.7                 | 39.5                    | 1120                 |                       |            |                      |     |     |    |    |     |     | 90  |                                             |
|            | 1-17.5-1600         |                          | 1.75                 | 19                 | 163                 | 43.5                 | 43.7                    | 1120                 |                       |            |                      |     |     |    |    |     |     | 120 |                                             |