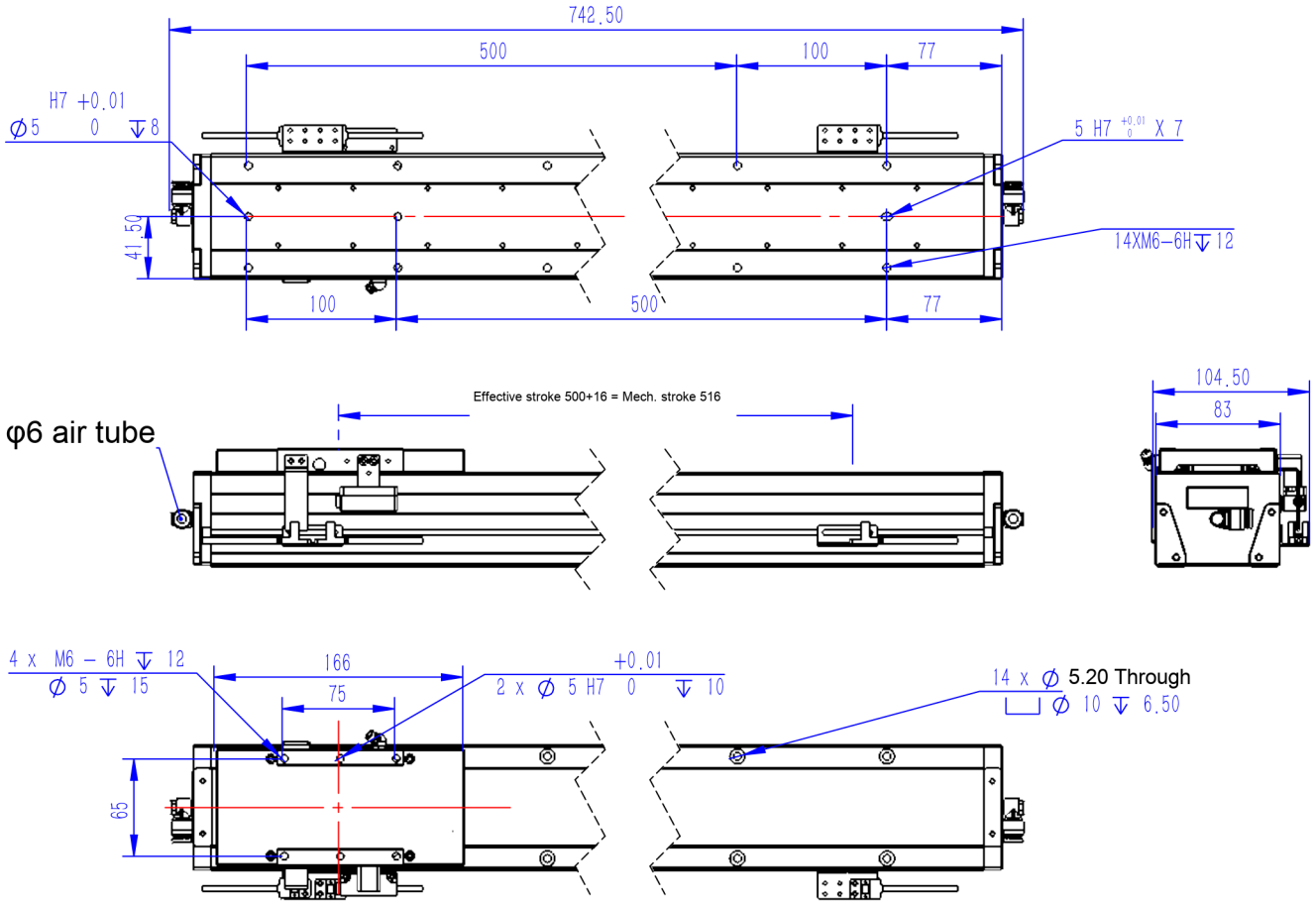



| MODULE PARAMETERS | |
|---|---|
| Item | Parameter |
| Load Capacity | 10 kg |
| Mechanical Stroke | 516 mm |
| Max Speed | 1 m/s |
| Max Acceleration | 8 m/s² |
| Dwell Time | 1 s |
| Repeatability | ±2 μm |
| Encoder Resolution | Dalian Rongshu 1μm |
| Driver | — |
| Origin Reference | External origin |
| External Signals | Origin, positive limit, negative limit |
| Hall Sensor | None |
| Photoelectric Sensor | — |
| Dust Protection | Aluminum profile |
| Motor Cable Length | 0.35 m |
| Cable Length | — |
| Guide Rail Brand | Embedded dual rail |
| Base Material | Aluminum alloy |
| MOTOR PARAMETERS | |
| Motor Model | SWL-RY-S1 |
| Continuous Thrust | 84 N |
| Peak Thrust | 200 N |
| Motor Constant | 9.2 N/√W |
| Peak Current | 9 Arms |
| Continuous Current | 3 Arms |
| Thrust Constant | 28 N/Arms |
| Back EMF Constant | 23 Vpeak/m/s |
| Pole Pitch | 10 mm |

Technical Requirements

1. The guide rail shall be oiled every 100 km of operation; under harsh working conditions, increase the oiling frequency; otherwise the service life of the guide rail will be shortened.
2. The base and load mounting holes shall be confirmed by the customer; to ensure the accuracy of each axis, the flatness of the customer's mounting base surface shall be within 0.03/500 mm.
3. The base is made of aluminum alloy and can be installed directly, but leveling must be ensured.
4. Platform mounting method: horizontal installation.
5. Surface treatment: aluminum alloy sandblasting with natural-color anodizing.
6. The origin position is shown in the figure and shall be confirmed by the customer.
7. The platform is equipped with a transport fixing plate (red); the customer must remove it before powering on.
8. Current version is A01, confirmed on 2024.05.30; see the 3D drawing file for detailed design.

Guangzhou Haozhi Industrial Co., Ltd.

HAOZHI

| | Signature | Date | | | |
|---|---|---|---|---|---|
| Designed | lyc | 2024/5/30 | Qty | | Name: Fully-enclosed Module |
| Checked | | – | | | Material: |
| Process | | | Scale | 1.8 | |
| Standardization | | | View | | Drawing No.: HZM8-S500W1-R1-S-E75 |
| Approved | | – | of 1 | Sheet 1 | 物料号: |