

# FS-D2B Variable Frequency Chain Hoist 125kg-5000kg



## VARIABLE FREQUENCY CHAIN HOIST

FS-D2B Series

## PRODUCT DESCRIPTION

The FS-D2B variable frequency chain hoist has a lightweight yet rugged aluminum housing and a low-headroom design. A custom inverter paired with a purpose-built lifting motor controls hoisting and allows free speed adjustment. Low speed can be less than 1/2 of a conventional low-speed setting, and high speed up to 50% faster than a conventional high-speed setting. Operation is smooth, with minimal vibration and no jolting when starting and stopping, a low failure rate, strong protection and a long overall service life, making it well suited to automated control, precise positioning and labor saving.

## PRODUCT FEATURES

- Custom inverter and purpose-built lifting motor for stable, reliable operation;
- Automatic deceleration at the upper limit reduces the risk of limit switch damage, and the lifting work range can be set flexibly;
- Customizable speed range: low speed can be less than 1/2 of a conventional low speed, and high speed up to 50% above a conventional high speed (below 10% of rated load);
- Low noise, smooth vibration-free operation and high control precision;

- Comprehensive multi-level protection for safe, stable operation;
- Compared with conventional hoists: faster response, more reliable operation, lower failure rate and longer service life;
- Built-in remote control module for operating trolley and bridge travel.

## SPECIFICATIONS

| MODEL ITEM                 | FS-D2B012                       | FS-D2B025 | FS-D2B050 | FS-D2B100 | FS-D2B200           | FS-D2B160 | FS-D2B200-01 | FS-D2B250 | FS-D2B320           | FS-D2B500           |
|----------------------------|---------------------------------|-----------|-----------|-----------|---------------------|-----------|--------------|-----------|---------------------|---------------------|
| Lifting capacity (Kg)      | 125                             | 250       | 500       | 1000      | 2000 (double chain) | 1600      | 2000         | 2500      | 3200 (double chain) | 5000 (double chain) |
| Lifting speed (m/min)      | 1/12                            | 1/12      | 1/8       | 1/8       | 0.5/4               | 0.5/10    | 0.5/10       | 0.5/10    | 0.5/5               | 0.5/5               |
| Rated power (kW)           | 0.75                            | 0.75      | 1.1       | 2.2       | 2.2                 | 5.5       | 5.5          | 5.5       | 5.5                 | 5.5                 |
| Standard lift (m)          | 3 (customizable)                |           |           |           |                     |           |              |           |                     |                     |
| Control mode               | Wired pendant / Wireless remote |           |           |           |                     |           |              |           |                     |                     |
| Chain size (mm)            | 5.0                             | 5.0       | 5.0       | 7.1       | 7.1                 | 9.0       | 11.2         | 11.2      | 9.0                 | 11.2                |
| Power supply               | 380V standard (220V optional)   |           |           |           |                     |           |              |           |                     |                     |
| Mechanism duty class       | 3m/M6                           | 3m/M6     | 3m/M6     | 2m/M5     | 2m/M5               | 2m/M5     | 2m/M5        | 2m/M5     | 2m/M5               | 2m/M5               |
| Operating temperature (°C) | -10°C ~ 55°C                    |           |           |           |                     |           |              |           |                     |                     |

Note: Products are continuously upgraded. The specifications above are for model selection reference only; the nameplate on the unit is authoritative.

### Contact us for consultation and a quotation

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Specifications may vary with the ordered configuration. Please contact FullSharp for exact details.