

GK900H

Crane-Specific AC Motor Drive

The **GK900H** series is engineered as a dedicated crane solution, blending cutting-edge control technology, robust safety features, and exceptional efficiency. Its adaptability to various crane sizes and operational needs, paired with easy integration and maintenance, makes it the ultimate choice for boosting crane performance and reliability.

POWER RATINGS

3 × 380 ~ 440V 0.75kW - 1000kW

CONTROL MODE

V/Hz control SVC FOC

ENCODER

- Incremental
- UVW
- Resolver
- Absolute value
-

HIGHLIGHTS

Start Torque @ 0Hz

200%

Torque Control Accuracy

±5%

Torque Response <

5ms

Overload Capability

200%

Speed Control Accuracy

±0.02%

Speed Regulation

1:1000

COMMUNICATION

Modbus TCP

PROFINET

PROFINET

EtherCAT

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**ELEVATE PERFORMANCE,
ENSURE PRECISION, MAXIMIZE SAFETY.**

**WHY
CHOOSE
GK900H**

The GK900H is equipped with comprehensive protection functions to prevent accidents and ensure safe operation:



Standard Protection Features

- Overcurrent protection
- Undervoltage protection
- Overvoltage protection
- Phase loss protection
- Motor overload protection
- Motor overheat protection
- Overspeed protection, Etc.



Crane-Specific Protection Features

- Brake failure protection
- Brake slip protection
- Motor Loss protection
- Start-up protection
- Shutdown protection
- Stall protection
- Encoder failure protection
- Reverser rotation braking protection

These advanced protections work together to prevent load drops and avoid safety incidents caused by equipment failure, providing complete peace of mind for operators and safeguarding both personnel and assets.



Multi-Mechanism Macros

Supports 3 specialized macros for trolleys, slewing, hoisting, and luffing, allowing one drive to handle multiple tasks.



Intelligent Anti-Sway

Features built-in different anti-sway algorithms for slewing and luffing, reducing swing and improving load accuracy.



Jog Mode

Provides a safe mode for commissioning and maintenance, protecting operators during setup.



Load/Speed Dependent

Adjusts speed automatically based on load weight, boosting efficiency and ensure safety.



Brake Selection when Switchover

Applies braking during direction changes, preventing the load from falling when switching between up and down directions.



Anti Loosening

Regulates output frequency at the instant the load raised off the ground, ensuring smooth hoisting with minimal torque changes.



Dedicated Brake Sequencing

Controls brake logic for ascending and descending, delivering safe and smooth load handling.



Position Limit

Ensure the equipment operates safely and smoothly within the predefined travel range.



Dual Motor Brake Control

Manages both hoisting and traversing motors with a single drive, simplifying design and cutting costs.



Starting Torque Direction

Supplies strong counter-torque at startup, preventing load drops for safer operations.



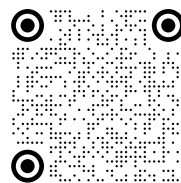
Brake Status Feedback

Monitors brake conditions in real-time, enabling proactive maintenance and reliability.

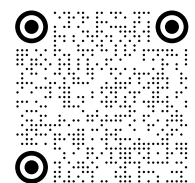
This flyer is a quick preview version and does not describe all the features of the product, please contact us for details.



Scan QRcode for models of GK900H



Scan QRcode for dimensions of GK900H



Contact GTAKE for more products and solutions.

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