Starvert iS7
High Performance AC Drive
3Φ 200V: 0.75kW~75kW
3Φ 400V: 0.75kW~375kW

Powerful Performance
- Ride Through for the sudden power failure(Kinetic Energy Buffering)
- PM Sensorless Vector control for PMSM

Various Options
- Profibus-DP, DeviceNet, Lonworks, Ethernet-IP, CC-Link, CANopen, Modbus-TCP, Rnet communication option
- Extended I/O , PLC card option, Encoder card option, etc..
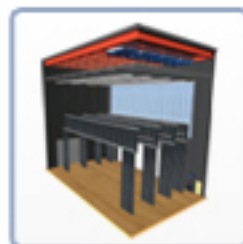
User & Environment-friendly
- Wider LCD Keypad and User & Macro Group
- Built-in EMC Filter for reducing electronic distortion
- Built-in DC Reactor for harmonic reduction and PF improvement

▶ Specification

Item		Description
Control	Control Mode	V/F, V/F PG, Slip Compensation, Sensorless Vector-1, Sensorless Vector-2, Vector Control
	Frequency Setting Resolution	Digital Command : 0.01Hz Analog Command : 0.06Hz (Max. Frequency : 60Hz)
	Frequency Tolerance	Digital Command : 0.01% of the Max. Frequency Analog Command : 0.1% of the Max. Frequency
Operation	Run/Stop Type	Keypad / Terminal / Communication
	Frequency Setting	Digital Command : Keypad Analog Command : 0 ~ 10[V] / -10 ~ 10[V] / 0 ~ 20[mA]
	Functions	PID, Auto-tuning, Auto-restart, Kinetic Energy Buffering, Flying Start, Low leakage Operation, etc.
Input	Digital Inputs (8)	Selectable between NPN (Sink) / PNP (Source)
		Definition : Run/Stop, Reset, External Trip, DC Brake, 3-Wire, Up-Down, etc.
Output	Run/Stop Type	State of Drive / Below DC 24V 50mA
	Frequency Setting	(N.O., N.C.) Below AC250V 1A , Below DC30V 1A
	Functions	0 ~ 10 Vdc (Below 10mA) : Selectable between Frequency, Current, Voltage and DC Voltage

○ Application

| Theater System |

Overall
- Drive controls flying battens which carry Lights, Flags, Stage boards move vertically

Features
- Regenerative energy from the heavy loads has to be controlled
- Depending on the situation, single position control or proportional position control are required

Requirements & Solution

- Electro-mechanical brake control
  - iS7 Brake Control Function
- Zero-speed Control
  - iS7 Vector Control Mode
- High-speed Communication
  - iS7 Ethernet-IP Option
- Position Control
  - iS7 Position Control Option

Configuration