



200 V Three-Phase  
1.5 kW to 110 kW

400 V Three-Phase  
1.5 kW to 110 kW

## L1000A Inverter for Lift Applications

YASKAWA L1000 lift drives are the solution to technical requirements of today's elevators. The L1000A controls induction and permanent magnet motors. It is the first choice for new installation, machine room less lifts, but also for modernization. Experience the proven YASKAWA reliability combined with a new level of ride comfort.

### Advantages

- ▶ Cost saving - L1000A can control PM motors with robust and relatively low cost incremental encoders
- ▶ State of the art motor control algorithms provide a smooth ride and an accurate landing
- ▶ EN81-1 compliant solution with one motor contactor saves costs and space while increasing reliability
- ▶ Easy set-up in lift language
- ▶ Auto-Tuning function saves installation time by allowing drive setup without removing ropes
- ▶ Compact shape for installation in narrow panels
- ▶ Low stand-by power consumption (e.g. 400 V, 15kW: < 15 W) for easy compliance with efficiency class A

### NEW:

- ▶ Integrated brake monitoring according to EN 81-1+A3
- ▶ DCP3-Interface for easy serial connection with lift controller
- ▶ Clear text LCD operator now in 11 European languages. **Newly added:** Turkish, Polish, Russian, Czech and Greek.

### Available soon:

- ▶ L1000A with SIL3 STO function (safe torque off) for operation without motor contactors



## Characteristics and Specifications

- ▶ Incremental, EnDat and SinCos encoder support and Hiperface
- ▶ Brake monitoring according to EN 81-1+A3
- ▶ DCP3-Interface
- ▶ LCD text display in 11 European languages: German, English, French, Italian, Spanish, Portuguese, Greek, Turkish, Polish, Czech and Russian
- ▶ Smooth start of gearless motors without load sensor
- ▶ Parameter display with lift units (m/s, m/s<sup>2</sup> ...)
- ▶ Emergency operation with standard UPS or battery, light load direction search built in
- ▶ 4 relay outputs for direct switching of signals up to 250 VAC / 1 A
- ▶ Proven YASKAWA quality and reliability

Voltage	220 - 240 V, 380 - 480 V, 50/60 Hz
Range	1.5 - 110.0 kW
Overload (starting / current)	175 %
Overload	150 % / 60 s
Braking Transistor	integrated up to 30 kW
Digital Inputs / Outputs	8 / 6 (4 relays)
Integrated Digital Operator	✓ (LCD)
Lift Terminology	✓
Selectable Units	%, Hz, rpm, m/s, m/s <sup>2</sup> , m/s <sup>3</sup> , ft/min, ft/s <sup>2</sup> , ft/s <sup>3</sup>
Maintenance Monitoring	IGBT, fan, capacitors, charge circuit
Screwless Terminal Board	✓
Ambient Temperature	-10 to +50°C
Protective Design	IP20

## Standard Accessories

Well adapted to L1000 drives YASKAWA supplies various components for compliance with EMC guidelines and tools that simplify installation and handling.

### Software



DriveWizard Plus – Setup, Monitoring Parameter Management via PC

### User Interface



Parameter Copy Unit

### Power Options



EMC Line filters (foot-/sidemount) for EN12015 compliance



AC chokes for harmonics reduction according to EN12015

### Braking Resistors



GWS 337 (IP20)



RFBs 2-7 (IP20)



STG 120

### International Standards



### Safety Standards

