



**L7 is history.
Experience
the L1000!**

**200 V Three-Phase
1.5 kW to 110 kW**

**400 V Three-Phase
1.5 kW to 110 kW**

L1000 Lift Inverter Series

YASKAWA L1000 Lift Drives are the solution to technical requirements of today's elevators. Equipped with intelligent elevator functionalities and outstanding performance, L1000V and L1000A are the successors of the well known Varispeed L7 drive made by YASKAWA. Experience the proven YASKAWA reliability combined with a new level of ride comfort.

Advantages of L1000A

L1000A controls induction and permanent magnet motors. It is the first choice for new installation, machine room less lifts, but also for modernization.

- ▶ Incremental, EnDat and SinCos encoder support, Hiperface coming
- ▶ Cost Saving - L1000A can control PM motors with robust and relatively low cost incremental encoders
- ▶ Compact shape for installation narrow panels
- ▶ Shockless start of gearless motors without load sensor

Advantages of L1000V

With its power range and functionality L1000V is made for modernization but also for new installation of open loop driven lifts.

- ▶ Smallest lift drive available on the market saves space and cost on panel design
- ▶ Accurate slip compensation for high landing accuracy without an encoder
- ▶ Simple function and parameter structure for easy handling

Common Features

- ▶ Flexible I/Os and lift firmware allow connection to almost any lift controller
- ▶ State of the art motor control algorithms provide smooth ride and an accurate landing
- ▶ New Auto-Tuning saves installation time by allowing drive setup without removing ropes
- ▶ Parameter display in lift language and lift units (m/s, m/s², ...)
- ▶ Emergency operation with standard UPS or battery, light load direction search built in
- ▶ EN81-1 compliant solution with one motor contactor saves costs while increasing reliability
- ▶ Proven reliability



Product Features

Feature	L7	L1000V	L1000A
Capacity Range	4.0 - 55.0 kW	4.0 kW - 15.0 kW	1.5 - 110.0 kW
Overload (starting / current)	150 %	165 %	175 %
Overload	150 % / 30 sec	150 % / 30 sec	150 % / 60 sec
Braking Transistor	integrated up to 18.5 kW	integrated up to 15 kW	integrated up to 30 kW
Digital Inputs / Outputs	6 / 5 (4 relays)	7 / 3 (2 relays)	8 / 6 (4 relays)
Integrated Digital Operator	-	✓ (LED)	✓ (LCD)
Lift Terminology	-	✓	✓
Selectable Units	-	%, Hz, rpm, m/s	%, Hz, rpm, m/s, m/s ² , m/s ³ , ft/min, ft/s ² , ft/s ³
Maintenance Monitoring	-	✓	✓
Screwless Terminal Board with Copy Function	-	✓	✓

Standard Accessories

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

Power Options



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



AC chokes for harmonics reduction according to EN12015

User Interface

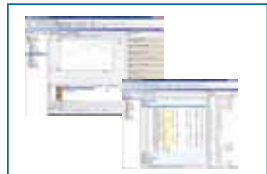


Clear text LCD operator panel for L1000V



Parameter Copy Unit

Software

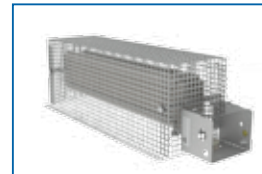


DriveWizard Plus – Setup, Monitoring Parameter Management via PC

Braking Resistors



GWS 337 (IP20)



RFBs 2-7 (IP20)



STG 120

International Standards



Safety Standards

