

# Varispeed L7



Exclusive  
Lift Inverter



## The Expert Inverter for Lift Modernisation

- Easy Start-Up
- Non-Rotating Auto Tuning
- Simple Menu
- Software based on many years of modernisation experience
- Best Levelling Accuracy at Open Loop
- Best Ride Comfort
- Optimised Hardware
- Silent Operation (Fan control)

(Operator optional)

# Varispeed L7

## Lift inverter for modernisation and new installation

400V, 3.7 to 55kW, Flux Vector Control (open loop/closed loop optional)

### Easy Start-Up

#### Non-Rotating Auto Tuning

Motor Equivalent Circuit Data (No-Load current, Slip, Resistance and Saturation Coeff.) are measured by the inverter

#### Lift access level, including only necessary parameters

Lift terminology (m/s, m/ss, m/sss, selectable also rpm or Hz)

### Software based on many years of modernisation experience

#### advanced IGBT protection

5-level over current protection before current failure occurs

#### Safe Operation

Brake and Contactor Control / Supervision

#### Accurate levelling accuracy

through unique slip compensation

### Designed/optimised for Lift

#### Built-in Braking Chopper up to 18.5kW

#### 3 Million full load starts life-time

#### Hardware base block

possibility to eliminate one motor contactor

#### Four relay outputs

connection of brake relay and motor relay directly

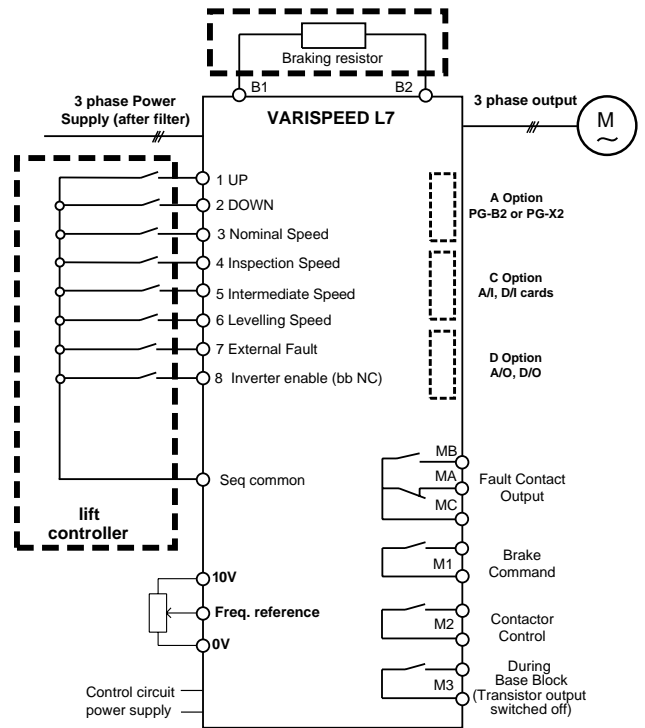
#### High current rating

lift motor with bad cos phi is considered

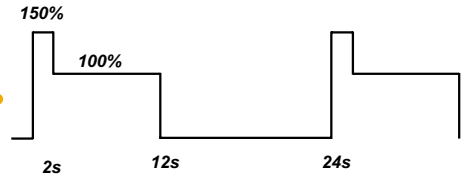
#### High ambient temperature small derating (!!!)

inverter size can be selected same kW like motor kW rating

#### Emergency Evacuation (230V AC, 230V DC, 48V DC or 96V DC)



### Duty Cycle



Model: L7C	43P7	44P0	45P5	47P5	4011	4015	4018	4022	L74030	L74037	L74045	L74055
appl. Motor power (kW)	3.7	4.0	5.5	7.5	11	15	18.5	22	30	37	45	55
Rated Output Current (A) 45°C	8.5	11	14	18	27	34	41	48	65	80	96	128
Rated Output Current (A) 50°C	7,9	10,2	13,1	16,8	25,2	31,7	38	44,8	60,8	74,7	89,6	119,3
Rated Output Current (A) 10kHz, 45°C	8,2	10,6	13,4	17,3	25,9	32,6	39,4	46,1				
Carrier Frequency	"8kHz default up to 22kW (adjustable up to 15kHz with derating) 5kHz default for 30kW and above (adjustable up to 10kHz with derating)"											
Max output voltage V	3 phase 380V-480V, limited by input voltage											
Rated input Voltage & Freq.	3 phase 380V-480V, 50/60Hz											
Allowable Frequency Fluctuation	+10%, -15%											
Allowable Frequency Fluctuation	+/- 5%											