SM10 VARIABLE SPEED

The new generation SM10 hoists with variable speed is based on the proven inverter technology as being used for our industrial rope hoists.
The concept includes a built in 3 phase inverter with full scale braking resistor, filter, encoder for over speed control, limit switches and main contactor.

Due to the advanced inverter control technology, variation of speed could easily be achieved for single hoists using a push button station or group of hoists through the usual operation methods using up / down switches, a speedselector (fader) and a RUN button. There is no software involved or required to perform an operation. This makes the system cost effective and accessible for any standard rigging application.

The 2 pole motor is designed for 100Hz at nominal rpm, which doubles the speed range and thus results in an better and more sensitive variation in the low speed area compaired to 50Hz. motors.

- Capacity from 500 KG (2 m) to 2 000 KG (1 bm) - self weight 48 KG
- Compact size (L 462 mm – W 380 mm – H 175 mm)
- Speed range at 50Hz. powersupply :
    - 500 kg: 0,5 to 8 m/min. or 1 to 16 m/min.
    - 1000 kg: 0,5 to 8 m/min.
    - 2000 kg: 0,25 to 4 m/min.
- Current voltage range 380 to 500 Vac 3ph 50/60Hz. (208/230v in progress)
- Standard equipment :
    - 8 kHz inverter VL h002 in protective metal cubical
    - Braking resistor to accept maximum energy dissipation
    - Over speed supervision and motor heat sensors

Stagemaker SM10 variable speed advantages :
- Attractive pricing in relation to standard single speed hoists
- Very competitive priced in comparison to other variable speed hoists on the market
- Manual operation without complex control software, no intelligence at the hoist
- Adjustable acceleration and deceleration from 0.5 to 5s.
- Reduced dynamics and minimizes polygon effects
- Less mechanical stress
- Easy speed selection
- Complies with latest EMC standards
- Single cable connection trough Harting 16 pole, for power and control
- Inverted use is possible (optional)
    Optional available:
    - Double brake
    - Built-in incremental encoder
    - 4 step geared limits
    - Over-and underload detection