

MOVECAT VMK-L chain hoists

for variable and fixed speeds in accordance with BGV C1 and DIN 56950



The VMK-L hoists according to BGV C1 are notable for their innovative feature set and unusually flexible handling, whilst satisfying at all times the highest standards of safety. Particularly remarkable are the two indepen-

dent DC brakes, an integrated real-time load-measuring module that ascertains the real load and from it the overload and underload values, and a thermosensor that monitors permanently the operating temperature of the

motor. No less exceptional is the patented overload system that protects the drive and chain. Continuous force and form closure without interruption between brakes and load is at all times guaranteed. Furthermore, a high-resolution, dual-channel incremental encoder is used that allows exact positioning - better than +/- 1 mm (with V-Motion) - and therefore precise target runs with the highest repetition accuracy.

In conjunction with V-Motion Powerpacks, VMK-L hoists can be controlled at variable speeds for way- and time-synchronous runs or else directly (hoists up to 10 m/min) with the MPC 4IC1 controllers at a fixed speed. These high-speed hoists in combination with V-Motion Powerpacks are capable of speeds ranging

from 0 to 40 m/min whilst functioning as a closed-loop system with full torque even during runs continuing beyond the null point („floating state“) and reversal of direction without incursion of the brakes.

With their remarkable features, VMK-L hoists are recommended for all high-quality applications in locations such as in TV studios, theatres and events venues demanding maximum performance and safety combined with the widest possible bandwidth of uses.

TECHNICAL DATA	VMK-L 125-40	VMK-L 250-33	VMK-L 500-6	VMK-L 500-12	VMK-L 500-24	VMK-L 1250-10
SWL (*1 chain-fall, upgradable to 2)	125 kg	250 kg	500 kg *1	500 kg *1	500 kg *1	1250 kg *1
Hoisting speed at 50 Hz c.	24 m/min	20 m/min	5 m/min	10 m/min	16 m/min	8 m/min
Hoisting speed with V-Motion	0 - 40 m/min	0 - 33 m/min	0 - 6 m/min	0 - 12 m/min	0 - 24 m/min	0 - 10 m/min
Motor power	1.3 kW	2.6 kW	0.9 kW	2.6 kW	3.0 kW	3.0 kW
Duty cycle	25%	25%	40%	40%	40%	40%
Load chain acc. DIN 5684-8	5x15 mm	7x22 mm	7x22 mm	7x22 mm	9x27 mm	11x31 mm
Weight with 18 m hoist	53 kg	64 kg	64 kg	64 kg	110 kg	138 kg
Weight with 24 m hoist	56 kg	64 kg	64 kg	64 kg	120 kg	166 kg
Dimensions (L x W x H) w/o chain hook (mm)	460x196x275	540 x343x372	540x343x372	540 x343x372	605x486x320	640x486x382

Technical data:

- Hoisting height: 3 - 30 m
- Number of chain falls (optional): 1 (2)
- Power supply: 400 V/3 PH/50 Hz
- Protection rating: IP 54/Class F
- 2 independent brakes
- Dynamic load-measuring system
- Geared limit switch tracks: 4
- 2-channel incremental encoder, high-resolution
- Protection against thermal overload
- Installation position: standard
- Suspension type: load-measuring eyeless/chain hook
- Chain guide: Easy Plate
- Chain container; permanently installed

Options / Accessories:

- Transport/carrying handle
- Absolute encoder SSI 29-bit
- V-Motion Variable Motion Powerpack

Subject to technical modifications and typographical errors.