

VMK-S chain hoists

ultra-quiet hoists with speed variable up to 40 m/min - compliant with BGV C1



Hoist with additional options

The VMK-S SIL 3 / EN 61508 hoists compliant with BGV C1 are notable for an innovative feature set and particularly flexible handling combined with the highest safety standards. Particularly notable features are the two independent noiseless brakes, an integrated real-time load module, which ascertains the real collapse load and therefore the excess and insufficient load values, and a thermo-sensor that continuously monitors the motor operating temperature. The VMK-S hoists do not require a friction clutch as a protection against overload, so closed linkage and positive locking between the motor and the load are guaranteed at all times.

A high-resolution 2-channel-incremental encoder allows exact positioning of +/- 1 mm* or better (*in connection with V-MOTION Powerpack) and therefore precise target runs with maximum repetitional accuracy.

When combined with the V-MOTION Powerpacks, VMK-S hoists can be controlled at variable speeds on way and time synchronous runs as well as directly (hoists up to 12 m/min) with the MPC 4IC1 controller at fixed speeds. The fast rotors combined with a V-MOTION Powerpack permit speeds ranging from 0 to 29 m/min - and this as a closed-loop-system with full torque even during runs continuing beyond the null point ('floating state' and reversal of the run direction without incursion of the brakes).

VMK-S hoists are the state-of-the-art on the world market with a feature set and quality of performance that make them suitable for the most critical applications such as operation in TV studios, theatres and events — anywhere, indeed, where maximum performance, safety and versatility are called for.

TECHNICAL DATA:	VMK-S 125-40	VMK-S 250-10	VMK-S 250-30	VMK-S 500-6	VMK-S 500-12	VMK-S 500-24
Carrying load	125 kg	250 kg	250 kg	500 kg	500 kg	500 kg
Lifting speed 50 Hz app.	24 m/min	8 m/min	20 m/min	5 m/min	10 m/min	16 m/min
Lifting speed with V-Motion	0 - 40 m/min	0 - 10 m/min	0 - 30 m/min	0 - 6 m/min	0 - 12 m/min	0 - 24 m/min
Height of stroke	3 - 30 m	3 - 30 m	3 - 30 m	3 - 30 m	3 - 30 m	3 - 30 m
Number of load chains (*optional)	1	1	1	1	1	1
Absolutencoder SSI 29 Bit	X	X	X	X	X	X
Motor power	1,3 kW	0,75 kW	2,20 kW	0,75 kW	2,20 kW	3,00 kW
Protection level	IP 54 / class F	IP 54 / class F	IP 54 / class F	IP 54 / class F	IP 54 / class F	IP 54 / class F
Power-on time/ Switch-on per hour	25 %	40 %	25 %	40 %	40 %	40 %
2 independent brakes (noiseless)	X	X	X	X	X	X
Dynamic Load measuring system	X	X	X	X	X	X
Adjustable operation limit switch	4	4	4	4	4	4
2-channel-incremental encoder	X	X	X	X	X	X
Thermal overload protection	X	X	X	X	X	X
Installation option	standard + clamber hoist*	standard + clamber hoist*	standard + clamber hoist*	standard + clamber hoist*	standard + clamber hoist*	standard + clamber hoist*
Suspension	lug	lug	lug	lug	lug	lug
Chain guide	basicplate	basicplate	basicplate	basicplate	basicplate	basicplate
Chain container	fix	fix	fix	fix	fix	fix
Load chain according to DIN 5684-8	5 x 15 mm	5 x 15 mm	7 x 22 mm	7 x 22 mm	7 x 22 mm	9 x 27 mm
Weight without chain	19 kg	19 kg	38 kg	42 kg	46 kg	80 kg
Weight of chain / m	0,54 kg	0,54 kg	1,10 kg	1,10 kg	1,10 kg	1,80 kg
Measures (L x W x H) without chain hook	460 x 196 x 225 mm	545 x 340 x 245 mm	565 x 340 x 245 mm	565 x 340 x 245 mm	565 x 340 x 360 mm	605 x 485 x 320 mm
OPTIONS:						
Transport handles	*	*	*	*	*	*
Controls	V-MOTION 15 / 30	V-MOTION 15 / 30 or MPC 4IC1 + MRC	V-MOTION 30	V-MOTION 15 / 30 or MPC 4IC1 + MRC	V-MOTION 30 or MPC 4IC1 + MRC	V-MOTION 30

* optional

- not possible

X included