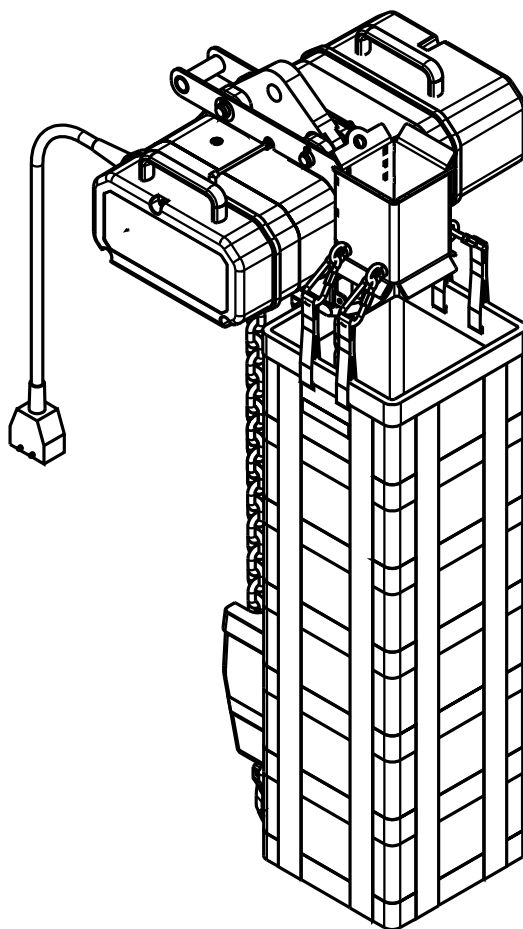




Product Datasheet

VMK-S 2500-5-XXb-2F

2500kg C1 Electric Chain Hoist with Direct Control

2500 kg

C1

5 m/min

Vario

UC 1-6

EN17206



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Overview

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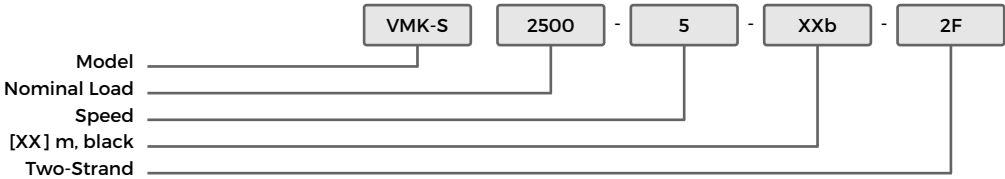
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Revision Management				
1.0	19.11.2024	DS	N. Braun	Initial Creation



General Description

Model Designation



Moveket is a leading manufacturer of electric chain hoists, control systems, and safety technology. Our products stand for the highest level of safety, compact design, and "Made in Germany" quality. With over 35 years of experience in stage technology, we offer innovative solutions suitable for both permanent installations and touring operations.

Functionality

Our electric chain hoists are based on a modular design principle and can be flexibly configured. For example, load cells, incremental encoders, or gear limit switches can be easily retrofitted. Moveket's product range covers all applications for Use Cases 1 to 6 in accordance with EN 17206 and offers tailored solutions in various configurations, including D8 and D8+ setups. Moveket places the highest emphasis on precision and reliability to meet the demands of modern stage operations.

Application

Moveket's electric chain hoists are suitable for both stationary installations and mobile use in touring productions. They are ideal for stage and event technology, providing a safe and efficient solution for demanding projects worldwide.

Additional Features

Our products combine safety, durability, and ease of use. The compact dimensions and versatile configuration options ensure optimal adaptation to any requirement. Thanks to their modular design, subsequent adjustments can be easily implemented.

Box-Building Principle

The Moveket Box-Building Principle allows us to customize and flexibly expand our products. Various components such as load measurement systems, additional safety features, or specialized control modules can be integrated at any time to meet the demands of an ever-changing market. Do you have any questions or need further information? Feel free to contact your Moveket dealer, distributor, or reach out to us directly as the manufacturer.

2006/42/EG Machinery	2014/35/EU Low Voltage	2014/30/EU EMI	2011/65/EU RoHS	12100 DIN EN ISO	62061 DIN EN IEC	61000 DIN EN IEC	
SQ P2 ICVW	17206 DIN EN	V17 DGUV	61508 DIN EN	56950 DIN	60204 DIN EN	818-7 DIN EN	13849 DIN EN ISO



Technical Data

Technical Specifications

Model	VMK-S 2500-5
Type	SB8.3/10V
Motor	90L2E
Maximum Load	2500 kg
Safety	8 dynamic
Load Strands	2
Brake Type	DC double brake
Lifting Speed 50Hz	5 m/min
Lifting Height	to 40 m
Chain Type	11x31
Gear Group	1Bm/M3
Usage Duration	400 h
Noise Level	72 dB(A)

Electrical Data

Operating Voltage	380 V AC - 420 V AC
Control Type	Direct Control
Control voltage	24V DC
Frequency	50 Hz
Power Factor cos(phi)	0.85
Electrical Nominal Power	2.08 kW
Current Consumption	6.15 A

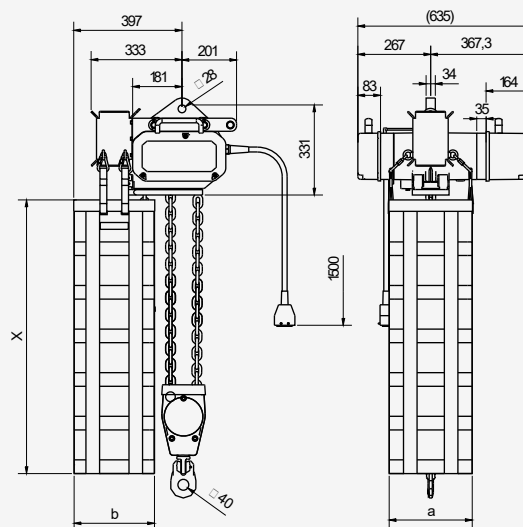
Mechanical Data

Mechanical Nomin. Power	1.7 kW
Dimensions [L,W,H]	635 x 534 x 331 mm
Weight Without Chain	71 kg
Chain Weight	2.70 kg/m
Nominal Speed	2850 1/min

Operating Conditions

Duty Cycle at +40°C	25 %
Max. Switching Cycles /h	150
Temperature Range	-20°C to +40°C
Protection Type (IP)	55

Overview drawing



Model Variant: Std Installation Position

Suspension	Load Measuring Eyelet
Load Handling	Load Hook
Chain Introduction	Chain Introduction (Easyplate)
Chain Storage	Textile

Equipment: Direct Control

Gear Limit Switch	Yes
Dynamic Load Measuring Device	Yes
Incremental Encoder	Yes
Absolute Encoder	Yes



Technical Dimensions

