

MOVECAT COMPACT 500-4 chain hoist (DC and RC model) compliant with BGV D8

The hoists in Movecat's Compact series represent a logical further development of the tried-and-tested ECO series. It was designed to satisfy the requirements of practical rigging applications, combining reliable and safe operation with a compact, lightweight format and simple, service-friendly handling.

Their principal characteristic is a well-balanced central transmission block to which the drive motor is flange-mounted directly at the side. This makes possible, in connection with the protected fan wheel, optimal heat dissipation and thereby an extended duty cycle. Thanks to the off-centre modular structure, it has proved possible to optimize the design of all components to achieve an outstanding laden-to-unladen weight ratio (e.g. Compact 500-4 unladen weight only

29.9 kg incl. 18 m chain).

The compact hoists are equipped with newly developed components such as a maintenance-free brake and a friction clutch to guard against overload; these guarantee safe and reliable operation even during sustained periods of use. The patented safety friction clutch, mounted in front of the brakes, is a BG- and TÜV-approved, force- and form-fitted implementation. Further standard features include a textile chain bag, a robust carrying handle and the new, chain-sparing Easy-Plate chain guide that offers you the choice of using the hoist in a standard installation position or as a climbing hoist.

The Compact 500-4 is available in both DC (direct control 400 V AC) and RC (remote control/low-voltage 24 V DC) versions and is

CE-compliant, tested, and ready for operation at the time of delivery.

The chain hoist is designed for operation with Movecat phase-changing controllers in accordance with DIN 60204-32 and EN 13849-1 and when used accordingly is certified as CE compliant provided the instructions set out in the user manual are adhered to.

A UVV specialist factory inspection prior to first use for mobile applications as well as the VDE 0701/0702 first inspection are also included.

The chain hoists of the Compact series are recommended for daily rigging use when setting up and dismantling stage, concert and studio sets in the touring sector as well as in theatres, studios, multi-function halls and trade fair centres – everywhere, in fact, where heavy loads need to



be borne by lifting gear that is itself light and where safe solutions are required for professional applications.

Technical data:

Model	COMPACT
Type	500-4
Safe working load	500 kg (1000 kg* ¹)
Hoisting speed	4 m/min (2 m/min* ¹)
Hoisting height	18 m/24 m
Chain-falls	1 (2* ¹)
Power supply	400 V/3 P/50 Hz (+/- 5 %)
Motor power	0.37 kW
Duty cycle	40 %
Mechanism group	(ISO/FEM)
Hoisting gear	1Am/M4
Load chain	2m/M5
Load chain EN 818-7 DAT	5.2 x 15 mm
Protection rating	IP 54
Dimensions (HE version L x W x H) without chain hook and chain bag	455 x 240 x 170 mm
Weight (incl. 18 m chain)	29.9 kg
Weight (incl. 24 m chain)	31.9 kg

MOVECAT COMPACT 500-4 chain hoist (DC and RC model) compliant with BGV D8

Technical equipment:

Suspension type	single-eyelet, optional motor hook
Hook implementation	rotating chain hook optional swivel adapter with eyelet and hook block for dual-chain-fall operation
Chain-falls	1 (2 * ¹ can be upgraded to two)
Chain guide	easy-plate
Chain bag	textile (permanently installed)
Handles	2 robust aluminium handles
Motor	forced-air cooled
Connector cable	1 m HO7RN-F connector cable with CEE 16A 4-pin plug (black) DC model 1 m HO7RN-F with CEE 16A 4-pin (black - power) and CEE 16A 4-pin (yellow - remote control) RC model

Options / Accessories:

Suspension	motor hook, optional swivel adapter with ring eyelet, hook block for dual-chain fall operation
Hoisting	height up to max. 60 m (1 chainfall)
Internal control	x ² kit for the internal evaluation of a 2-track geared limit switch in DC operation
Connector cable	Multicore cable with 6-pin multipin connector – RC models
Limit switching	geared limit switch for RC and DC* ² incremental encoder* ³ absolute encoder* ³
Load-sensing	dynamic LME/LMS system * ³ (strain-gauge principle) (* ² with x ² kit or I-controller, * ³ with I-controller and additional equipment)
Running gear	hand and electric
Controllers (DC)	MPC ID8, ED8, LD8, TD8 series and MRC PD8 DC series
Controllers (RC)	MPC ID8, ED8, LD8 RC series
Miscellaneous	transport case, rain cover