

MOVECAT PLUS-C 250-4 (DC and RC model) Chain hoist compliant with igvw SQ P2 D8 Plus

The Movecat Plus-C 250-4 electric chain hoist is based on the tried-and-tested Compact series. It was designed to satisfy the demanding requirements of use with events equipment and to combine safety of operation with a compact, light-weight format to guarantee simple and practice-optimized 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. Plus-C 250-4 unladen weight only

31 kg incl. 18 m chain).

The Plus-C hoist is equipped with specially developed components such as two independent, maintenance-free brakes and an overload-safety-friction-clutch that guarantees safe and reliable operation even in continuous use. The safety friction clutch mounted in front of the brakes is a force- and form-fitted implementation. All the bearing parts exhibit a design factor of 10:1. The Plus-C hoist corresponds in full with the provisions of the igvw SQ P2 D8 Plus standard. The Movecat Plus-C allows setting-up and dismantling as well as installation operations without any need for the otherwise requisite 'secondary' safety component or the time-consuming 'dead hang' of the system that would otherwise be required for D8 applications. The basic con-

figuration includes a textile chain bag, robust handles and the improved, chain-sparing Easy-Plate chain guide that offers the choice of operation in standard installation positions or as a climbing hoist without conversion.

The Plus-C 250-4 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 PLUS-C chain hoist is recommended for day-to-day



rigging use when building up and dismantling stage, concert and studio sets in the touring business as well as in the theatrical, studio, multifunction hall and trade fair sectors.

Technical data:

Model	PLUS-C
Type	250-4
Safe working load	250 kg (500 kg *)
Hoisting speed	4 m/min (2 m/min *1)
Hoisting height	18 m
Chain-falls	1 (2*1)
Power supply	400 V/3 P/50 Hz (+/- 5 %)
Motor power	0.37 kW
Duty cycle	50 %
Mechanism group	(ISO/FEM)
Hoisting gear	1Am / M4
Load chain	2m/M5
Load chain	EN 818-7 DAT 5.2 x 15 mm
Independent DC brakes	2
Protection rating	IP 54
Dimensions	
(HE version L x W x H)	455 x 250 x 170 mm (without chain hook and chain bag)
Weight (incl. 18 m chain)	31 kg
Weight (incl. 24 m chain):	33.5 kg

MOVECAT PLUS-C 250-4 (DC and RC model)

Chain hoist compliant with igvw SQ P2 D8 Plusv

Technical equipment:

Suspension type	single-eyelet, optional motor hook
Hook implementation	rotating chain hook optional swivel adapter with eyelet, hook block for dual-chain-fall operation
Chain-falls	1 (*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 6pin multipin connector – RC models
Limit switching	geared limit switch for RC and DC* ² incremental encoder* ³ absolute encoder* ³
Load-sensing (strain-gauge principle)	dynamic LME/LMS system * ³ (* 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