

## MOVECAT UPplus (DC and RC version)

### igvw SQ P2 D8 Plus chain hoist



The Movecat UPplus electric chain hoist is based on the tried-and-tested Compact series. The design objective was to satisfy the demanding requirements of use with events equipment and to combine safety of operation with an ultra-compact, light-weight format to guarantee simple and practice-optimized handling.

The salient feature is the light metal housing, which is closed on all sides and offers two metal handles, as well as the outstanding laden/unladen weight ratio (e.g. UPplus 250-4 unladen weight only 33.5 kg incl. 18 m chain, chain container, chain hook and eyelet).

The UPplus 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 UPplus hoist complies in every respect with the igvw SQ P2 D8 Plus standard. The Movecat UPplus allows setting-up and dismantling as well as installation operations without any need for the otherwise obligatory 'secondary' safety component or the time-consuming 'dead

hang' of the system that would otherwise be required for D8 applications.

The basic configuration 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 UPplus is available in both DC (direct control) and RC (remote control/low-voltage 24 V DC) versions and is supplied CE-compliant, tested, and ready for operation.

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 factory inspection by a specialist prior to first use in mobile applications and the VDE 0701/0702 first inspection are also included.

The UPplus 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	UPplus
Type	250-4
Safe working load	250 kg (500 kg*)
Hoisting speed	4 m/min (2 m/min*)
Hoisting height	18 m
Chain-falls	1 (2*)
Power supply	400 V/3 Ph/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
Independent DC brakes	2
Protection rating	IP 54
Measurements (HE version L x W x H)	420 x 240 x 220 mm
without chain hook and chain container	
Weight (incl. 18 m chain)	33.5 kg
Weight (incl. 24 m chain)	37.0 kg
incl. chain container, chain hook and eyelet	

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#### Technical features:

Suspension type:	Eyelet, optional motor hook
Hook implementation::	Chain hook, rotatable
Chain-falls:	1 (2* upgradable to 2 chain-falls)
Chain guide:	Easyplate II
Chain container:	textile (permanently installed)
Handles:	2 robust aluminium handles
Connector cable:	1 m HO7RN-F connector cable with CEE 16 A 4pin plug (black) DC version 1 m HO7RN-F connector cable with CEE 16 A 4pin plug (black Power) and CEE 16 A 4-pin plug (yellow Remote Control) RC version

#### Options / Accessories:

Suspension	Motor hook, swivel adapter with eyelet and hook block for dual-chainfall operation
Hoisting height:	up to 60 m (1 chain-fall)
Internal control:	X <sup>2</sup> kit for the internal evaluation of a 2-track geared limit switch in DC mode
Connector cable:	Multicore cable with 6-pin Multipin plug RC version
Limit switching:	2-track geared limit switch for RC and DC* <sup>2</sup> Incremental encoder* <sup>3</sup>
Load-sensing:	Dynamic LME/LMS system* <sup>3</sup> (strain gauge principle)
Running gear:	Manual and electric trolleys
Controller (DC):	MPC ID8, ED8, LDB, TDB and MRC PD8DC series
Controller (RC):	MPC ID8, ED8, LD8RC series
Miscellaneous:	Transport case, rain cover

\*<sup>2</sup> with x<sup>2</sup> Kit or I-Controller and peripheral equipment

\*<sup>3</sup> only I-Controller and peripheral equipment