

MOVECAT UPplus (DC and RC version)

IGWW 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 too metal handles, as well as the outstanding laden/unladen weight ratio (e.g. 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. The UPplus hoist complies in every respect with the IGWW SQ P2 D8 Plus standard based on DIN 56950-1: 2012-05. The Movecat UPplus allows setting-up and dismantling 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:

	UPplus	UPplus
Model	UPplus	UPplus
Type	250-4/320-4	250-8
Safe working load	250 kg (500 kg*)/250 kg	250 kg
Hoisting speed	4 m/min (2 m/min*)/4m/min	8 m/min
Hoisting height	18 m/24 m	18 m/24 m
Chain-falls	1 250 kg (2*)/1 320 kg	1 (2*)
Power supply	380 - 415 V/3 Ph/ 50 Hz (+/-5 %)	380 - 415 V/3 Ph/ 50 Hz (+/-5 %)
Motor power	0.37 KW	0.55 KW
Duty cycle	40 %	40 %
Mechanism group	(ISO/FEM)	(ISO/FEM)
Hoisting gear	1Am/M4	1Am/M4
Load chain	2m/M5	2m/M5
Load chain EN 818-7 DAT	5.2 x 15 mm	5.2 x 15 mm
Independent DC brakes	2	2
Protection rating	IP 54	IP 54
Measurements (HE version L x W x H) without chain hook and chain container	420 x 240 x 220 mm	420 x 240 x 220 mm
Weight (incl. 18 m chain)	33.5 kg	33.5 kg
Weight (incl. 24 m chain) incl. chain container, chain hook and eyelet	37.0 kg	37.0 kg

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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) Typ 320-4 singel chain-falls
Chain guide:	Easyplate II
Chain container:	textile (permanently installed)
Handles:	2 robust aluminium handles
Connector cable:	DC version: 1 m HO7RN-F connector cable with CEE 16 A 4-pin plug (black) RC version: 1 m HO7RN-F connector cable with CEE 16 A 4-pin plug (black Power) and CEE 16 A 4-pin plug (yellow Remote Control)

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 ² 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* ² Incremental encoder* ³
Load-sensing:	Dynamic LME/LMS system* ³ (strain gauge principle)
Running gear:	Manual and electric trolleys
Controller (DC):	MPC ID8, ED8, LDB, TDB and MRC PDB - DC series
Controller (RC):	MPC ID8, ED8, LDB - RC series
Miscellaneous:	Transport case, rain cover

*² with x² Kit or I-Controller and peripheral equipment

*³ only I-Controller and peripheral equipment