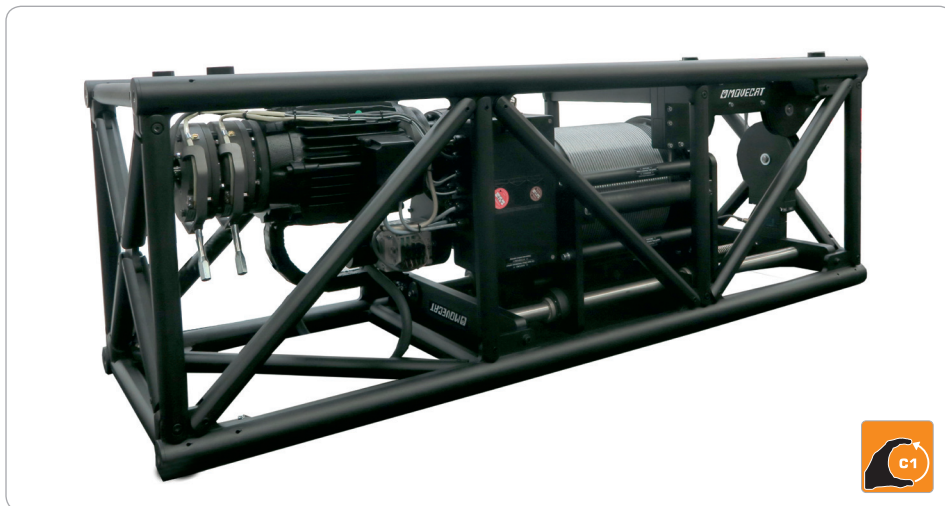


VMW-S 125-3-30

MOVECAT

MOVECAT VMW-S 125-3-30 Entertainment Winch

in accordance with BGV C1, DGU V 17, DIN 56950-1 and EN 61508 SIL 3



Movecat VMW-S 125-3-30 high-speed winch for universal use in entertainment, tour and events applications. The VMW-S 125-3-30 is tested in accordance with BGV C1 / DGU V 17, DIN 56950-1 and DGUV Principle 315-390 and approved for use above people and in manned airframes as well as conforming to EN 61508 SIL 3. It is capable

of transporting loads of up to 125 kg at speeds continuously variable from 0 to 3 metres per second. The winch achieves acceleration values up to 3m/sec². Hoisting heights of up to 30 metres are possible. Basics

The VMW-S winch series convinces with an extremely compact format and allows operation in a wide variety of

different setting-up and mounting configurations as well as 360° x 360° use in every installation position. It has an innovative, non-welded, aluminium round-tube frame structure in the 520 mm truss format and is mount-compatible with GP and ST 52 trusses, the full load handling capacity being preserved even when the device is used as a bearing structure. Maintenance-free, or else ultra-low-maintenance, mechanical and functional elements assure problem-free use even under rigorous tour conditions. All important parts are supplied with a special protective coating to guard against corrosion or made from corrosion-free materials for touring applications, and an extensive range of accessories is available for use on the road.

Key facts

The technical refinements of the entertainment winch include a dynamic load-measurement system that is independent of the installation position and isolated from

the drive influences normally encountered. The effective load is ascertained and evaluated with precision in every installation position. An integrated cable guide with a central cable outlet located in the middle of the front side allows optimal central load application when used with trusses and optimal operation of manned airframes with two opposed winches. Only 18 centimetres separate the two opposed cables. Reduced-noise operation, as well as such features as two independent noiseless brakes with contact-free function monitoring and an emergency lowering function; high-resolution, independent, absolute and incremental encoders; a four-level geared limit switch adjustable from the exterior for separate operating- and emergency-limit evaluation; motor temperature monitoring and a dynamic load-measuring system with function testing round off this highly practical package. In closed-loop mode, hovering (true zero speed) and a change of run direction are possible without incursion of the brakes. Tried and tested in the Movecat V series, a status board displaying the most important function parameters is also integrated, along with DIN 56950-1 test functions for the separate testing of the brakes and limit switch functions. Both brakes are equipped with a manual release lever for the controlled lowering of suspended loads/persons in emergency operation. The VMW-S 125-3-30 in conjunction with V-Motion 75 E can be integrated into the I-Motion network.

Technical data:

- Safe working load: 125 kg
- Hoisting speed: 3 m / sec
- Acceleration: max 3 m/sec²
- Hoisting height: 30 m
- Cable: 5 mm
- Motor power: 5.5 kW
- Duty cycle: 20%
- Brakes: 2 (with contact-free monitoring and emergency lowering function)
- Absolute encoders: 1 (29-bit)
- Incremental encoders: 1
- Protections against thermal overload: 1 (self-resetting)
- Geared limit switch tracks: 4
- (independent, with visualisation)
- Load-measuring system: strain gauge with test function
- Dimensions: 1500 x 517 x 517 mm (Length x Width x Height)
- Weight: 203 kg

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Technische Ausstattung:

- schweißfreier Alu-Frame im gängigen 52er Traversensystemmaß mit voller Traglast auch beim Einsatz als Tragwerk (optional mit diversen Traversenverbinderlösungen direkt adaptierbar)
- mattschwarze Gesamtausführung in kratzfester Pulverbeschichtungsausführung
- Zentraler Seilabgang
- wartungsfreie Grundkonstruktion
- 360x360 Grad Einsatz möglich
- Closed Loop Betrieb (true-zero-speed)
- lageunabhängiges, dynamisches Lastmesssystem mit Prüffunktion
- wartungsfreie Silence-Doppelbremse mit kontaktfreier Überwachung und Notablassfunktion/Personenflugtauglich
- von außen einfach justierbare Betriebs- und Notendschalter
- geräuscharmes Flachgetriebe
- Movecat C8/24 Steckverbinder mit 1,5m PMC HV-Anschlusskabel
- BGV C1, DGU V 17, DIN 56950-1 und EN 61508 - SIL 3 konform
- Vor-, Bau- und Abnahmeprüfung gemäß DGUV Grundsatz 315-390 (optional)



Optionen / Zubehör:

- Wirbeladapter
- Seile mit diversen Aufnahmen und Längen
- diversen Traversenverbinderlösungen als Steckadapter
- Transport-Trolley
- Transportcase
- Transporthaube
- V-Motion 75 E