Draka

Draka TowerHoist® powered by skyman

The solution for rope guided service cages in towers

Draka TowerHoist® uses Skymax® traction hoist technology, the most recent state of the art hoist principle currently on the market.

Our Strategic Partner
Draka Renewable Energy is strategic partners with Sky Man International. Skyman is a top European hoist manufacturer with 30 years experience in the suspended powered access industry - with design, production and supply of temporary or permanent suspended access equipment and industry specific applications to e.g. the wind turbine industry.

Unique Rope Guided Service Cage
Combined with Draka's established position as cable supplier to the top wind turbine manufacturers, we have together designed a unique rope guided service cage program for wind turbine application. It is made for lifting men and materials safely to the intermediate platforms or straight up to the nacelle.

Standard or Customized Model
Draka TowerHoist® is available as standard as a rope guided service cage with a vertical sliding door or according to customer specifications.

Global Sales & Technical Support
Draka Renewable Energy is present on all major markets for wind energy with sales and technical support staff. They will be responsible for demonstrating and supplying the Draka TowerHoist® powered by Skyman to their local markets.

State of the art Traction Hoist
Draka TowerHoist® uses Skymax® traction hoist technology - the most recent state of the art hoist principle currently on the market.

Polymer Compound Pressure Principle
Skymax® hoist contains a polymer compound pressure ring which evenly distribute the load on the hoist, providing longer life-time for wires and making it the most "steel wire rope friendly" design on the market today.

High Grade Quality Components
Both the traction hoist and safety brake are of quality design and uses 100% high grade quality materials both inside and outside.

Fits any Size or Type Tower
The service cage does not alter the bearing structure of the tower and can be installed during construction or at any time later. Installation is quick and requires no extra platform.

All Required Safety Measures
Draka TowerHoist® is as standard equipped with all safety features required under codes and regulations, such as overload and over-speed detection, emergency descend, upper and lower obstruction limit functions, key transfer switch as well as anchor points to enter and exit the cage.

Mechanical Interlock Safety Brake
Draka TowerHoist® will even under emergency descend without any power be able to detect lower obstruction and activate the mechanical safety brake.

Global Standards & Approvals
Draka TowerHoist® is CE approved for the European market and OSHA code compliant and UL classified for the North American market.

Draka TowerHoist® Specifications

Draka TowerHoist® can be operated from a control panel installed inside and outside the service cage. The inside controls consist of an active E-stop button, safety brake and functions to indicate overload or tripped safety brake. Outside controls allow automatic travel for material transportation between the end positions and for collecting people. The inside control will also record the service cages' running hours from time of installation, necessary for maintenance and control inspections.

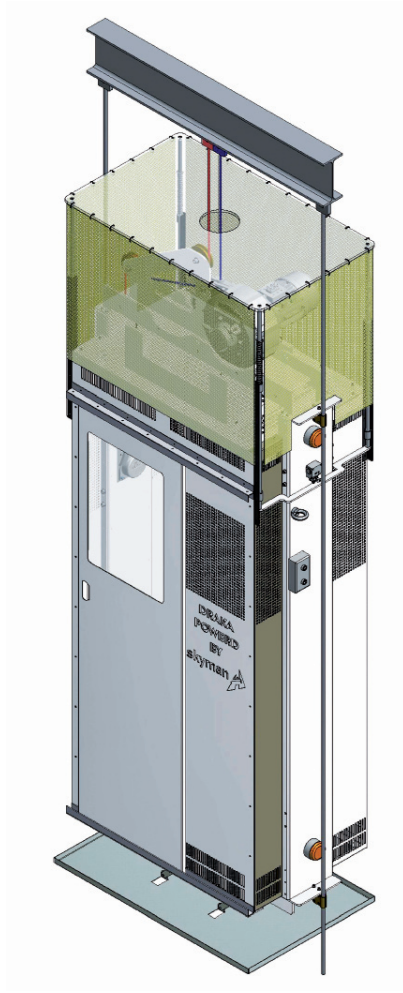
Draka TowerHoist® is guided along two steel wire ropes assembled alongside the cage and attach to a suspended beam at the top of the tower and the standing platform at the bottom. The service cage can run smoothly and steadily along the guiding ropes. The working rope going through the hoist constitutes the lifting system whereas, the safety rope through the fall arrest devices, constitutes the safety system.

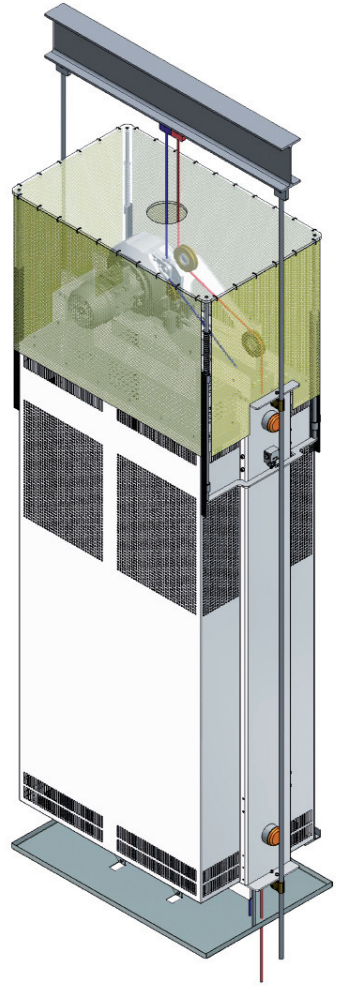
Electrical Data

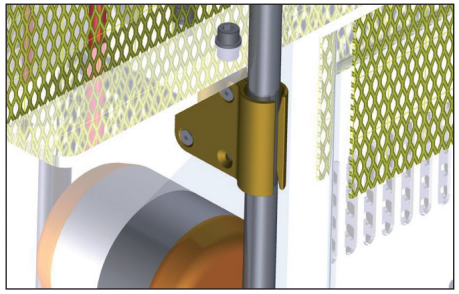
Voltage	400 or 690V / 50Hz
Power	1.8 kW
Temperature range	-20˚C - +40˚C (standard)
Power cables	Min 1,5mm² up to 100m
Electrical equipment	IP 55
Approvals	CE Europe, OSHA & UL North America

Capacity, Dimensions & Weights

Maximum working load	240 kg
Maximum number of persons	2
Total suspended weight	500 kg
Travelling speed	18 m/min
Cage inside dimensions (w x d x h)	95 x 60 x 200 cm
Access opening (w x h)	50 x 190 cm
Working height	150 m
Cage and frame	Integrated Aluminum Al Mg3
Secondary over-speed device	Fall safety brake device







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Draka

Draka Holding N.V. is situated in Amsterdam, the Netherlands and is the mother company for a large number of operating companies worldwide - involved with developing, manufacturing and supplying cables and cable systems. Worldwide Draka consists of 68 operating companies in 31 different countries with approx. 9,500 employees. We have more than 700 specialized employees developing, standard or harmonized design as well as special rubber cables for low and medium voltage application. The Renewable Energy Sales Channel is part of Draka Industry & Specialty | Industrial and consists of ten sales offices worldwide.