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Construction hoist **Wega H65H**

The Scanclimber Wega H65H is a well established, heavy-duty construction hoist concept, and your reliable choice for vertical transportation of goods and people. Since its launch in 2004, the Scanclimber Wega H65H has been at numerous sites around the world. Wega has been in use for example, at the Eiffel Tower, the Parliament House of Denmark, the 250-meter high Moscow City Complex and several cooling towers of power plants.



SCANCLIMBER®
by Tractel®

Wega H65H



Introduction

THE H65H PERSONNEL AND MATERIAL HOIST family offers a heavy-duty, flexible and upgradable transport system for materials and people, with a spacious hoist cage up to a lifting height of 300 m.

THE ROBUST H65H MAST SYSTEM stands on a stable ground station and is easily assembled with the help of auxiliary crane or by hand with an optional mast assembly crane.

WEGA'S MODULAR STRUCTURE provides reliability, long-life, flexibility, safety, productivity, low energy consumption and low cost of ownership, making it a profitable investment for construction and rental companies.

WITH A LOAD CAPACITY up to 3200 kg and maximum lifting speed of 90 m/min, Wega has already proved itself as a productive machine in various building sites around the world.

Wega Configurations

WEGA'S MODULAR SYSTEM allows you to choose the required configuration with special features and attributes. Later on the selected configuration can be adapted to different applications using relatively few modules and components. The hoist family offers different cage sizes, speed options and payload capacities. Additionally, there is a wide variety of landing gates, doors and mast anchoring systems.

WEGA'S LIFTING CAPACITIES for single cage models are: 2000 kg, 2500 kg or 3200 kg and the speed options are: normal speed 36 m/min, mid-speed 54 m/min and high speed 90 m/min. The cage is available in two length options: 3.2 m or 3.7 m. If the space or capacity of one cage is not enough, you can double them using a twin cage version. The same payload can be loaded into two cages, which means the greatest payload is 6400 kg.

High Speed Reduces Set Up Time

WITH A CLIMBING RATE of up to 90 meters per minute, the Scanclimber Wega is not only fast to ascend, but it is also faster to set up than most other hoists on the market. The reason is the stable mast. Wega's rigid mast allows a maximum anchoring distance of 21 meters. All this contributes to greater labour efficiency and reduced set-up time and of course, to a safer work environment.

SPECIAL CONDITIONS on construction sites and different fields of application require flexible and applicable height access technology. In order to be one step ahead of the developments on global markets, Scanclimber is constantly working to improve and modify its products.

Callability and Computer Control

ONE OF THE ADVANTAGES in H65H hoists is callability. It means that the hoist can be called to a specific landing level like a normal lift. In high or busy work sites it is usual that the normal callability and manual landing access management is not enough and more sophistication is needed. To solve this, Scanclimber offers a more intelligent, computer controlled landing access management system. It is also known as a programmable logic controller (PLC). Hoist users can ask it to drive to a specific floor. In case of several calls from various floors at the same time, the computer optimizes the hoist's travelling and stops.





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Details

Safety brake

1 THE SAFETY BRAKE ensures that even in a complete breakdown of the drive unit the cage will not fall down. A mechanical, spring-loaded safety brake is a standard safety feature in all Wega models. It improves the safety and reliability of the hoist in everyday use. The safety brake is well protected from dirt and dust and is practically maintenance-free.

Cage

2 STANDARD CAGES are available in two sizes: 32 = (3.2 m x 1.5 m) or 37 = (3.7 m x 1.5 m). Doors can be assembled on one or every side of the cage. The front door (A) and the back door (B) are 1.5 m wide and the side door (C) offers a wider 2.6 m door opening for bigger materials.

Ramp

3 LANDING LEVEL ACCESS is normally arranged with the B door. To make the access and hoist erecting easier the door can be equipped with manually or hydraulically operated ramp. The length of the ramp is 820 mm.

Ground Station

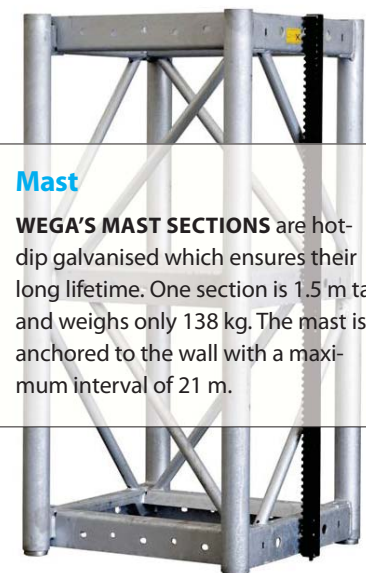
4 WEGA'S LIGHTER GROUND STATION is bolted on to a concrete or similar slab and the handedness can be freely chosen. Also a heavy ground station is available which stands on its own outriggers and needs only a hard, flat ground base. The standard ground station is equipped with one (A) door but the back door (B) and the wider side door (C) are optionally available.

Landing Gates and Doors

5 WEGA'S LANDING GATES and doors are compatible with all H65H hoist models. The gates and doors are reliable, flexible and can be adjusted to different kinds of structural conditions. All the gates and doors are equipped with an interlocking system and they meet the requirements of the current Machinery Directive and Personnel and Material hoist standard.

More Power, Less Power Consumption

6 THE SCANCLIMBER WEGA H65H is always equipped with a frequency controller (FC). It provides very smooth starting and stopping with low starting current and less wear and tear.



Mast

WEGA'S MAST SECTIONS are hot-dip galvanised which ensures their long lifetime. One section is 1.5 m tall and weighs only 138 kg. The mast is anchored to the wall with a maximum interval of 21 m.

Technical Data



	SC2032-65H	SC2037-65H	SC2532-65H	SC2537-65H	SC3232-65H	SC3237-65H
Payload <i>(number of persons according to EN12159-1)</i>	2000 kg or 24 persons	2000 kg or 25 persons	2500 kg or 24 persons	2500 kg or 27 persons	3200 kg or 24 persons	3200 kg or 27 persons
Cage internal length (mm)	3200	3700	3200	3700	3200	3700
Cage internal width x height (mm)	1510 x 2040	1510 x 2040	1510 x 2040	1510 x 2040	1510 x 2040	1510 x 2040
Speed options: 36 or 54 or 90 m/min	YES	YES	YES	YES	YES	YES
Single or twin cage version	YES	YES	YES	YES	YES	YES
Lifting motors:						
- Regular-speed 36 m/min	2 x 9.2 kW	2 x 9.2 kW	2 x 9.2 kW	2 x 9.2 kW	3 x 9.2 kW	3 x 9.2 kW
- Mid-speed 54 m/min	3 x 7.5 kW	3 x 7.5 kW	3 x 7.5 kW	3 x 7.5 kW	3 x 11 kW	3 x 11 kW
- High-speed 90 m/min			3 x 15 kW	3 x 15 kW	3 x 18.5 kW	3 x 18.5 kW
Power supply voltage	400 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz
Top drive lifting unit	YES					
Overspeed safety device	YES					
Max. lifting height, with anchored mast	200 m (higher mast by request)					
Max. anchoring distance	21 m*)					
Max. lifting height, free-standing	12 m*)					
Max. free mast after topmost anchor	13 m*)					
Mast section: height	1.5 m					
weight, single / twin	138 kg / 154 kg					
Operation temperature	-25...+40° C					
Noise level	< 85 dBA					

*) depending on ground station type, cage amount (single or twin), cage length and lifting capacity



Scanclimber is the world's technology leader in mast climbing equipment for both temporary and permanent installations. The company has its corporate head office in Pirkkala, Finland, and manufacturing in Gniezno, Poland.

The company employs more than 200 people in Europe and Asia.

Scanclimber creates value for its customers with high quality, reliable and flexible vertical access solutions.

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