CONSTRUCTION HOIST · RACK & PINION

SM-GTP-101

PERSONNEL & MATERIAL HOIST

ENGINEERED & BUILT IN TÜRKIYE

Twin-motor rack-and-pinion hoist for fast, safe vertical transport of materials and personnel on construction sites. The modular mast grows with the building, and the multi-layer safety system is designed to EN 12159.



CE

2 000 kg	40 m/min	2 × 7.5 kW	1.5 m
RATED LOAD	TRAVEL SPEED	TWIN-MOTOR DRIVE	MODULAR MAST SECTION

SPECIFICATIONS

CAPACITY & PERFORMANCE

RATED LOAD	2 000 kg
TRAVEL SPEED	40 m/min (0.67 m/s)
LIFTING HEIGHT	Up to building height, modular mast
CONTROL	Cage joystick, key switch, emergency stop
LANDING STOPS	Mast-mounted cams, adjustable per landing

CAGE

INTERNAL SIZE (W × L × H)	1.45 × 2.80 × 2.20 m
DOOR OPENING (W × H)	1.40 × 2.10 m
ROOF	Guard-railed working platform, escape hatch

DRIVE & POWER

DRIVE SYSTEM	Rack & pinion, twin motor
MOTOR POWER	2 × 7.5 kW
BRAKES	Electromagnetic brake on each motor
POWER SUPPLY	3-phase + N + PE, 380–400 V, 50 Hz

MAST & TYING

MAST SECTION	1.5 m module, lattice, bolted
SECTION WEIGHT	≈ 87 kg
WALL-TIE SPACING	max. 6 m
GROUND ENCLOSURE	≈ 3.4 × 2.7 m, interlocked doors

OPERATING CONDITIONS

WIND — IN SERVICE	max. 72 km/h
WIND — ERECTION	max. 45 km/h
AMBIENT TEMPERATURE	–15 … +55 °C

Values are indicative and subject to change without notice.

SAFETY EQUIPMENT — STANDARD

01
Overspeed safety gear
Parachute-type safety gear arrests the cage on the mast in an overspeed event.

02
Overload protection
Load sensor with audible alarm; travel is blocked when overloaded.

03
Door interlocks
No travel while any cage or ground-enclosure door is open.

04
Limit & final limit
Automatic top/bottom stops, backed by an independent final limit switch.

05
Mechanical locks
Prevent the cage leaving the mast or the pinions disengaging the rack.

06
Buffer springs
At the mast base to decelerate the cage.

07
Emergency lowering
Manual brake release for controlled descent during a power failure.

08
Roof-hatch interlock
Motor power is cut while the escape hatch is open.

09
E-stop & guardrails
E-stops in cage and on roof; roof guardrail for erection and service.

OPTIONS

- Load measuring & display system
- High-speed package
- Soft start / soft stop (frequency inverter)
- Automatic landing stops
- Additional mast sections and tie sets

APPLICATIONS

- High-rise residential and commercial construction
- Industrial plants and warehouse projects
- Façade and renovation works
- Vertical transport of material and site personnel

SITE REQUIREMENTS

- Concrete foundation prepared by the customer
- 3-phase site supply with suitable MCB
- Wall-tie anchor points on the building (max. 6 m spacing)
- Crane or lifting-equipment access for erection

COMPLIANCE

CE · 2006/42/EC · EN 12159 · EN ISO 12100 · EN 60204-1 · EN 60204-32 · EN ISO 13849-1 · EN ISO 13850 · EN ISO 13854 · EN ISO 14120 · ISO 9001

CE-marked under the Machinery Directive 2006/42/EC. Declaration of conformity and operating manual are supplied with the machine.

SCOPE OF SUPPLY

- Cage with roof guardrail and drive unit
- Mast sections and wall ties to suit the project
- Ground enclosure with interlocked doors and buffers
- Electrical control panel, trailing cable and cable guides

DOCUMENTATION & SERVICE

- CE declaration of conformity and operating manual (TR / EN)
- Erection, commissioning and load test
- Operator and maintenance staff training
- Spare parts and periodic maintenance support

GET A QUOTE FOR YOUR PROJECT

Send us your building height, load and number of landings — we will prepare the right configuration, foundation loads and a layout drawing. Detailed technical drawings are shared under NDA.

WEB seklift.com
E-MAIL info@sekitmen.com
PHONE +90 322 428 92 84
WHATSAPP +90 532 207 23 14

Values are indicative and subject to change without notice.