

## TRANSPORT PLATFORM

PRODUCT GUIDE - EN16719 COMPLIANT

# ALIMAK TPL 1000

Access anytime, anywhere

**ALIMAK**

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## Lightweight, strength, flexibility and simplicity

**Alimak is a world leading supplier of rack and pinion vertical access solutions for people and materials in the construction industry. As part of our ongoing program of development, Alimak has strengthened its light range with the new TPL 1000, personnel and material transport platform. Its' simple, flexible and robust design can meet your project's specific needs. and is suitable for all vertical access to and from buildings or via scaffoldings, either for new constructions or for refurbishments.**

The TPL 1000 is designed with sophisticated and modern software which has been used by highly experienced professional designers to develop a product that has optimized weights, resistance and practical utilization to create a reliable customer offering that is the best in class around the world.

### **RIGID STRUCTURE**

The structure is made up of profiled and perforated plates, which becomes a rigid and anti-slip walking surface in addition to being a structural element. Hot dip galvanizing ensures that the surface remains the same over time, avoiding the need for maintenance and replacement of the surface itself. Erection platform and ramps use the same construction system and surface treatment process.

### **ERECTION PLATFORM FOR EASY INSTALLATION**

The erection platform facilitates smooth operation with regards to fastening the masts during erection and fastening the mast ties to the wall and can be positioned on both sides of the platform. The erection platform comes as standard on all TPL platforms.

### **THE DRIVE UNIT**

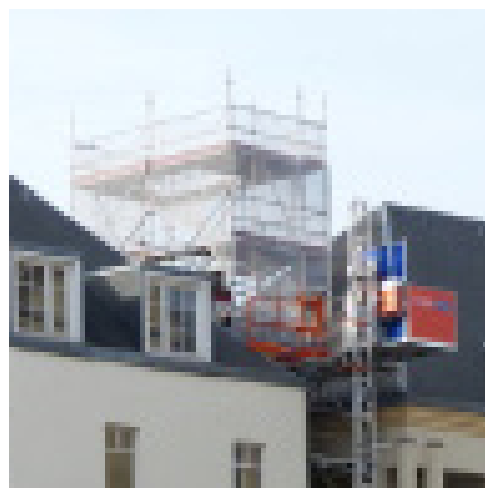
The drive unit runs on a mast tower by means of a series of guide rollers, mounted on a tandem frame to distribute the pressure in a consistent manner, which leads to less wear and tear, smoother travel and a longer life for the mast sections. The two-speed or single-phase gear motor overload system and safety device system are all installed in the center of the mast to allow left or right hand operation.

### **THE MASTTOWER**

The mast tower consists of hot dip galvanized mast sections that are fixed to each other by means of four captive eyebolts, making assembly quicker and safer and thereby eliminating the risk of loss. The mast sections are delivered with a bolted rack.

### **MAST HEIGHT COMPONENTS**

Tie-ins are fixed on the mast tower with a double frame that affords greater flexibility and rigidity to the masts. There is greater flexibility in the positioning of the tie pipes, both to the scaffolding or the wall, and can be positioned at not more than 7.5 m. The cable guide keeps the hybrid cable (power and control) in the correct position to allow easy storage in the cable basket during operation. This ensures greater safety particularly in windy conditions.



### THE ELECTRIC CONTROL PANEL

All command required for use of the platform and control of the safety systems are contained in the electric control panel. The key-switch is also positioned on the panel and permits use as a Transport Platform (speed of 12 m/min) or Material Hoist (speed 24 m/min).

### EASY TO POSITION IN NARROW SPACES

The hot dip galvanized base frame with load bearing levelling screw jacks has smaller dimensions than the platform size, making it easy to position the machine even in very narrow places. The first mast section is screwed on as is the cable basket (for lifting height up to 100 m or 328 ft).

### EASY LOADING AND UNLOADING

The entrance side consists of a bi-foldable door system or a flap door system which permits easy loading of the platform with a fork-lift, or when it is to be used as a transport. The exit side consists of a ramp system which includes a control bar with a vertical or horizontal bar opening and it can be assembled on side A and B. The third side is provided with a fixed railing.

### ACCESSORIES

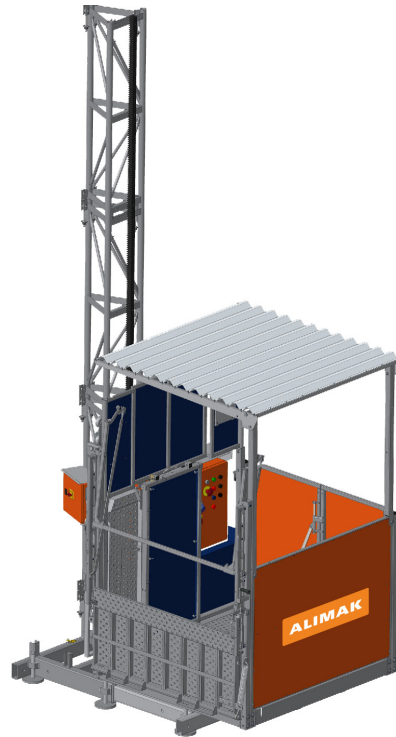
A series of accessories are available. Roof, lifting beam and support frames for scaffolding pipes are available on request. The landing gates with electric and mechanical interlock are in compliance with the latest provisions of the Machine Directive. These can also be equipped with a call push button panel, and are easy to assemble on both the scaffolding and the building's landings.



## Technical specifications

### EN16719 COMPLIANT FEATURES

- Monitored erection crane bracket
- Emergency brake release sealed for proof of operation
- Additional interlocking of unloading ramp operation
- Falling object protection system (FOPS)
- New simpler to use leveling jacks
- Base enclosure



	TPL 1000
Payload capacity	1000 kg
Number of persons max(incl. on payload) TP mode / MH mode	5 / 0
Lifting speed (TP / MH mode)	12 / 24 m/min
Platform dimensions (WxL)	1.4 m x 1.6 m
Max. lifting height, tied*	100 m
Max. tie distance	7.5 m
Max. overhang	3 m
Max. first anchor position	6 m
Power supply	400V 50Hz 3Ph
Rated power (TP / MH mode)	3.8 / 7.6 kW
Rated current (TP / MH mode)	8.4 / 15.7 A
Power consumption (TP / MH mode)	5.5 / 11 kVA
Type of mast	Triangular, 350 mm, tubular steel with integrated eye bolts

\* Increased lifting height on request.