



SUPER LIFTER TB-100

Constant performance throughout the entire stroke!
Stable operation with powerful 3-stage jacks!



* The carrier rails are options.



Hangers

2 hangers are installed. Each hanger is capable of lifting up to 5 t. Manual sliding is possible when no load is applied. Hangers can be set in any positions.



Carrier frame

The front 2 wheels are equipped with runaway prevention brakes.



Hydraulic unit and control panel

The separate unit means that operation is possible in a position removed from the jack. The wheel system allows for easy movement.



Control switch

An easy-to-operate pendant-type control switch

Lifting capacity 10 t, and constant performance throughout the entire stroke
The jack with internal hydraulic cylinder is capable of stepless operation, and the compact structure allows transport on a small size truck.
Ideal for work making effective use of confined spaces, such as places with low ceilings where crane work is difficult.

Previous usage examples

Transport and installation work

- Transport and installation of control panels and distribution panels which overturn easily
- Work in clean rooms where no lifting equipment is available
- Assembly and installation of precision devices for printing, food products, medicine, and other purposes

Maintenance work

- Replacement of aging plant equipment
- Maintenance work for various machines

Installation/removal work

- Transport, installation, and removal of dies for molding machines, presses, and other machines

Loading and unloading work

- Loading and unloading to/from vehicles

Lifting work

- Lifting of heavy objects

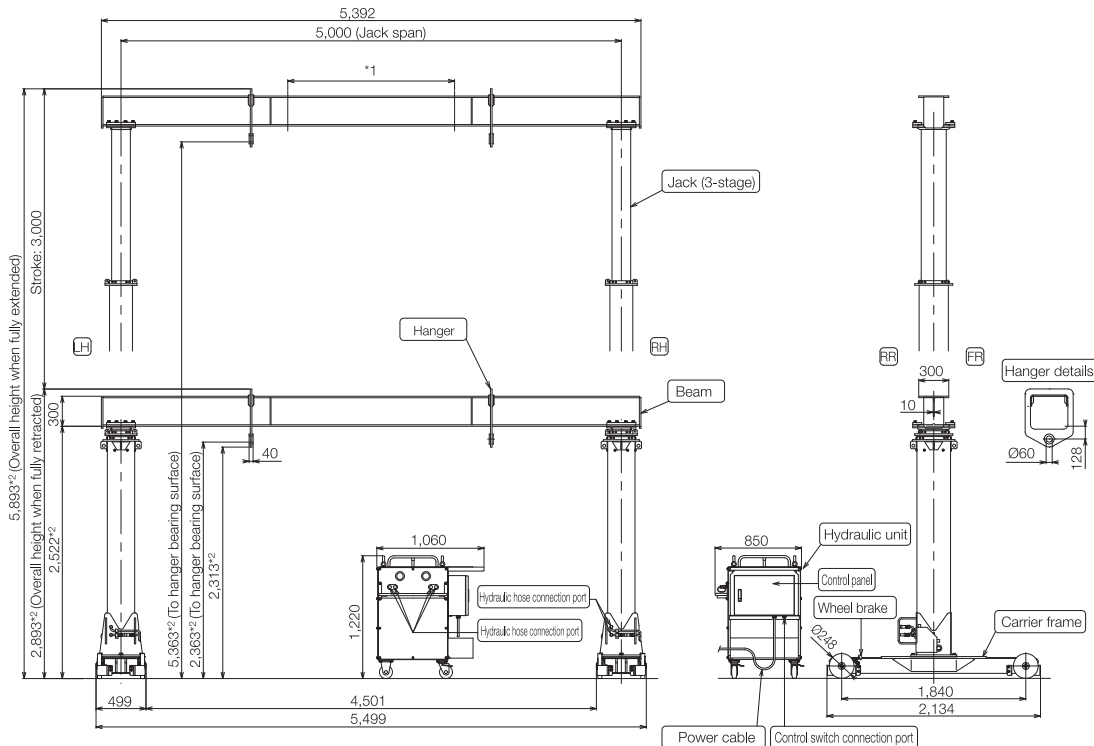
TB-100 specifications

Lifter Main Unit

Jack	
Lifting capacity	10 t (load center of gravity at beam center and jack span 1/3 area)
Jack stroke	3,000 mm
Lifting height	Minimum 2,363 mm - maximum 5,363 mm (from carrier wheel lower surface to hanger bearing surface)
Jack telescoping speed (no load, at 60 Hz)	Extending: 2nd stage = Approx. 860 mm/min 3rd stage = Approx. 760 mm/min Retracting: 2nd stage = Approx. 1,780 mm/min 3rd stage = Approx. 1,640 mm/min
Jack structure	Box-type, 3-stage hydraulic telescoping type
Jack telescoping device	Double-acting hydraulic cylinder, direct pushing type × 2
Beam	
Beam	Steel H-beam × 1 (H300 mm × W300 mm)
Beam length	Approx. 5,392 mm (jack span 5,000 mm or less)
Hangers	2
Carrier frame	
Carrier type	Hand-pushed type (no motor system)
Carrier wheels	Iron wheels (with brake, with foot guard)
Hydraulic unit	
Hydraulic generator	Electric motor (3.7 kW) × 1 + Double gear pump × 1
Installation	Separate type (with caster wheels)
Hydraulic hoses	Length 15 m (from hydraulic unit to each jack) × 4
Power supply	
Primary power supply	200/220 V AC (20 A or higher) × 1 system
Power cable	Length 20 m × 1 (equivalent to VCT, with M8 round terminal (primary power supply side))
Control switch	
Operating type	Wired remote control pendant switch (cable length 10 m, equivalent to VCTF, connecting type)
Mass	
Total mass	Approx. 2,390 kg
Mass of individual parts	Beam: Approx. 590 kg × 1 (including hangers: Approx. 20 kg × 2) Jack: Approx. 750 kg × 2 (including carrier frame) Hydraulic unit: Approx. 300 kg × 1 (including control panel, control switch, power cable, and hydraulic hoses)

Others									
Paint color	Tadano standard color (dark blue) or color specified by customer								
Safety devices									
Cylinder hydraulic lock device, motor reverse-turn prevention relay Low-voltage shut-off circuit, hydraulic safety valve, ground fault interrupter, thermal relay									
Options									
(1) Height support	<table border="1"> <thead> <tr> <th>Height</th> <th>Mass</th> </tr> </thead> <tbody> <tr> <td>500 mm</td> <td>Approx. 50 kg/support</td> </tr> <tr> <td>1,000 mm</td> <td>Approx. 85 kg/support</td> </tr> </tbody> </table>	Height	Mass	500 mm	Approx. 50 kg/support	1,000 mm	Approx. 85 kg/support		
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* Can be joined with bolts for use.									

External view (unit: mm)



*1: Rated lifting capacity is with the load center of gravity at the beam center and within the 1/3 jack span area.
● Dimensions in the drawings are design values. (Unit: mm)
● Dimensions in the drawings are those when the height supports (option) are not used. When the height supports are used, the dimension of *2 is increased by the height of the height support (500 mm or 1,000 mm).

Be aware that specifications may be changed without notice for the purpose of improvements.



Safety precautions

For safe and correct use of the product

- This product should be operated by personnel who have completed the operating instruction and safety course conducted by our company.
- Be sure to carefully read the Instruction Manual before use.
- Be aware that excessive extension of the power cable may result in damage to equipment.
- These are Japan specifications. Check the laws and regulations in each country before use.

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• For inquiries regarding this product: