

Mechanical Lift (Ball Screw, Electric Type)

MLP Low & Mini Type Using IPM Motor

Load capacity: 220/330 lb

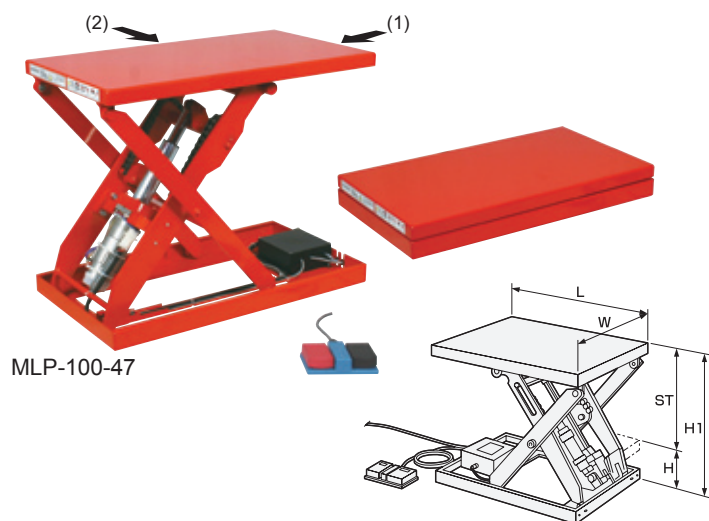


Recommendation

Compact, space-saving, and thin type which can be placed anywhere.

Major features of the MLP Series

- Uses IPM motor
- 3.4in. low platform (no external units attached)
- Vector control
- Dry cylinder
- Built-in unit
- 110 V power supply
- Maximum starting frequency 10 times per minute
- Bellows type full cover (with 'J' at the end)
- Foot switch with LED Cord: 78.7in.
- Has a maximum/minimum limit switch
- Power cord: 118.1in.
- Quiet operation through the use of planetary gears in the decelerator (MLP-150-** is a helical gear)
- No oil leaks due to ball screw cylinder
- Cam-type cylinder head enhances rigidity
- Through strengthening the axis, durability is enhanced
- Does not fall by itself
- With built-in control board BOX (excluding MLP-150-**)



MLP-100-47

Note) After the lifter powers up, the lifter remembers the maximum and minimum position based on the first signals of the limit switch.

On the succeeding operation, the lifter will stop at about 0.2in. lower than the maximum position during lifting and about 0.1in. higher than the minimum position when lowering.

Note) When loading from the side of the table, please do so in the following manner: from side (1) load less than or equal to 1/2 of the loading capacity (see table), and from side (2) load less than or equal to 1/4 of the loading capacity (see table)

Note) Few subductions will occur.

Note) The unit cannot be used outdoors, or in places that are dusty, with high temperature and humidity, or in temperatures (0°C or below).

Unit: inch

	Model	Load capacity	Table dimensions W x L	Stroke (ST)	Table height (H to H1)	Lifting duration (in seconds) Unloaded to loaded	Lowering duration (in seconds) Unloaded to loaded	Usage frequency	Deadweight
Standard	MLP-100-47	220 lb	15.7×28.3	19.4	3.4 to 22.8	Approx. 10	Approx. 10	30 times / hour	79 lb
	MLP-100-58		20.5×33.5						93 lb
	MLP-150-45	330 lb	15.7×19.7	13.5	3.4 to 16.9				68 lb
	MLP-150-56		20.5×24.8						77 lb
Bellows	MLP-100-58J	220 lb	20.5×33.5	19.4	3.4 to 22.8	Approx. 10	Approx. 10	30 times / hour	104 lb
	MLP-150-56J	330 lb	20.5×24.8	13.5	3.4 to 16.9				86 lb

* A bellows cannot be installed in a standard type.

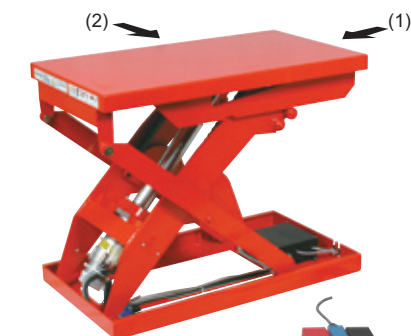
Mechanical Lift (Ball Screw, Electric Type)

MLP Mini Type Using IPM Motor

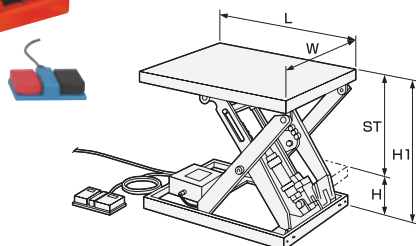
Load capacity: 551 lb



Recommendation



MLP-250-47



Long service life and high output by adopting the IPM motor

Major features of the MLP Series

- Uses IPM motor
- Vector control
- Dry cylinder
- Built-in unit
- 110 V power supply
- Maximum starting frequency 10 times per minute
- Bellows type full cover (with 'J' at the end)
- Foot switch with LED Cord: 78.7in.
- Has a maximum/minimum limit switch
- Power cord: 118.1in.
- No oil leaks due to ball screw cylinder
- Cam-type cylinder head enhances rigidity
- Through strengthening the axis, durability is enhanced
- Does not fall by itself

Note) After the lifter powers up, the lifter remembers the maximum and minimum position based on the first signals of the limit switch. On the succeeding operation, the lifter will stop at about 0.2in. lower than the maximum position during lifting and about 0.1in. higher than the minimum position when lowering.

Note) When loading from the side of the table, please do so in the following manner: from side (1) load less than or equal to 1/2 of the loading capacity (see table), and from side (2) load less than or equal to 1/4 of the loading capacity (see table)

Note) Few subductions will occur.

Note) The unit cannot be used outdoors, or in places that are dusty, with high temperature and humidity, or in temperatures (0°C or below).

Unit: inch

	Model	Load capacity	Table dimensions W × L	Stroke (ST)	Table height (H to H1)	Lifting duration (in seconds) Unloaded to loaded	Lowering duration (in seconds) Unloaded to loaded	Usage frequency	Deadweight	
Standard	MLP-250-47	551 lb	15.7×28.3	16.2	6.2 to 22.4	Approx. 20	Approx. 20	15 times / hour	99 lb	
	MLP-250-58		20.5×33.5						110 lb	
Bellows	MLP-250-58J	551 lb	20.5×33.5	16.2	6.2 to 22.4	Approx. 20	Approx. 20	15 times / hour	132 lb	
Standard	MLP-250-69V-12	551 lb	23.6×35.4	23.5	4.0 to 27.5	Approx. 14	Approx. 14	15 times / hour	220 lb	
	MLP-250-610V-12		23.6×41.3	28.2	4.0 to 32.2	Approx. 18	Approx. 18		254 lb	
	MLP-250-89V-12		31.5×37.4	23.5	4.0 to 27.5	Approx. 14	Approx. 14		232 lb	
	MLP-250-810V-12		31.5×41.3	28.2	4.0 to 32.2	Approx. 18	Approx. 18		276 lb	
	MLP-500-610V-12	1102 lb	23.6×41.3	28.2	5.4 to 33.6	Approx. 14	Approx. 14		331 lb	
	MLP-500-612V-12		25.6×47.2	32.1	5.4 to 37.5	Approx. 15	Approx. 15		353 lb	
	MLP-500-810V-12		31.5×41.3	28.2	5.4 to 33.6	Approx. 14	Approx. 14		353 lb	
	MLP-500-812V-12		31.5×47.2	32.1	5.4 to 37.5	Approx. 15	Approx. 15		375 lb	
	MLP-1000-610V-12		2205 lb	25.6×41.3	22.7	6.2 to 28.9	Approx. 25		Approx. 25	331 lb
	MLP-1000-612V-12			25.6×47.2	28.6	6.2 to 34.8	Approx. 32		Approx. 32	397 lb
MLP-1000-810V-12	31.5×41.3	22.7		6.2 to 28.9	Approx. 25	Approx. 25	342 lb			
MLP-1000-812V-12	31.5×47.2	28.6		6.2 to 34.8	Approx. 32	Approx. 32	408 lb			

* A bellows cannot be installed in a standard type.