

# MLP Mechanical-Electric Lift (Ball Screw, Electric) Mini / IPM Motor

**Long service life and high output by adopting the IPM motor.**

**MAJOR FEATURES OF THE MLP SERIES**

- IPM motor
- Vector control
- Dry ball screw cylinder
- No oil leaks
- No hydraulic drift
- 115 V single-phase power supply
- Built-in unit
- Maximum starting frequency 10 times per minute
- Maximum/minimum limit switch
- Foot switch with LED Cord: 78.7 in.
- Power cord: 118.1 in.
- Enhanced rigidity with cam-type cylinder head
- Enhanced durability through strengthening the axis
- Bellows type provides full cover (with 'J' at the end)



MLP-250-47

**Load capacity:** 551 to 2204 lbs

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	Motor Output Watts	Deadweight
<b>Standard</b>	MLP-250-47	551 lbs	15.7" x 28.3"	16.2"	6.2" to 22.4"	Approx. 20	Approx. 20	15 times / hour	70	99 lbs
	MLP-250-58		20.5" x 33.5"						70	110 lbs
<b>Bellows</b>	MLP-250-58J	551 lbs	20.5" x 33.5"	16.2"	6.2" to 22.4"	Approx. 20	Approx. 20	15 times / hour	70	132 lbs
<b>Standard</b>	MLP-250-69V-12	551 lbs	23.6" x 35.4"	23.5"	4.0" to 27.5"	Approx. 14	Approx. 14	15 times / hour	400	220 lbs
	MLP-250-610V-12		23.6" x 41.3"	28.2"	4.0" to 32.2"	Approx. 18	Approx. 18		400	254 lbs
	MLP-250-89V-12		31.5" x 37.4"	23.5"	4.0" to 27.5"	Approx. 14	Approx. 14		400	232 lbs
	MLP-250-810V-12		31.5" x 41.3"	28.2"	4.0" to 32.2"	Approx. 18	Approx. 18		400	276 lbs
	MLP-500-610V-12	1102 lbs	25.6" x 41.3"	28.2"	5.4" to 33.6"	Approx. 14	Approx. 14		400	331 lbs
	MLP-500-612V-12		25.6" x 47.2"	32.1"	5.4" to 37.5"	Approx. 15	Approx. 15		400	353 lbs
	MLP-500-810V-12		31.5" x 41.3"	28.2"	5.4" to 33.6"	Approx. 14	Approx. 14		400	353 lbs
	MLP-500-812V-12		31.5" x 47.2"	32.1"	5.4" to 37.5"	Approx. 15	Approx. 15		400	375 lbs
	MLP-1000-610V-12	2204 lbs	25.6" x 41.3"	22.7"	6.2" to 28.9"	Approx. 25	Approx. 25		400	331 lbs
	MLP-1000-612V-12		25.6" x 47.2"	28.6"	6.2" to 34.8"	Approx. 32	Approx. 32		400	397 lbs
MLP-1000-810V-12	31.5" x 41.3"		22.7"	6.2" to 28.9"	Approx. 25	Approx. 25	400	342 lbs		
MLP-1000-812V-12	31.5" x 47.2"		28.6"	6.2" to 34.8"	Approx. 32	Approx. 32	400	408 lbs		

\* Bellows cannot be installed in a standard type.

**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).