

# EPML PLATE-TILT

EPM

ELECTROPERMANENT VERTICAL PLATE HANDLING MAGNET

## FEATURES

- Includes all the features of the EPMPATE MAXLIFT.
- Handles single steel plates upto 12 Mtr long.
- Specially mounted magnets to enable swivel of upto 80 deg from horizontal .
- Unique EPM technique using double magnet system to handle single steel plates.
- EPM needs electricity only during switching magnet ON and OFF.
- Can be controlled by a single operator staying at a safe distance.
- No battery back required.
- Over 95% saving of electricity as compared to conventional electro magnets.
- System is configurable and modular and draws 2 or 3 phase mains AC power from 380 to 440 VAC.



Product Code : EPMLT

All dimensions are in mm.

Model No.	Plate Specifications (Max) in mm Minimum Thickness of 5mm			No. of Magnets	Magnet Dimensions L x W (mm)	Structure weight (Kgs)
	Length (mm)	Width (mm)	Capacity (Kgs)			
EPMLT-P/4-3T	6000	2500	4000	4	600 x 400	1850
EPMLT-P/4-7.5T	12000	3000	7500	4	600 x 400	2850
EPMLT-P/4-10T	12000	3500	10000	4	800 x 300	3100
EPMLT-P/4-12T	12000	3500	12000	4	950 x 350	3450
EPMLT-P/6-16T	12000	3500	16000	6	950 x 450	3940

# EPML-BAT PLATE

EPM

100% BATTERY OPERATED ELECTROPERMANENT PLATE LIFTING MAGNET

## FEATURES

- All the features of the EPMPATE MAXLIFT except that this model is powered by batteries.
- The power from 24 VDC to 200 VDC depending upon the capacity of the lifting system is supplied by a bank of lead-acid maintenance free dry cells.
- Option of a secondary battery bank for continuous operation.
- These lifting magnets are designed to be compact, low weight, high strength and reliable with full adherence to industrial safety.
- Unique EPM technique using double magnet system to handle single steel plates.
- EPM needs electricity only during switching magnet ON and OFF.
- Can be controlled by a single operator staying at a safe distance.
- Over 95% saving of electricity as compared to conventional Electromagnets.
- Usually supplied with a fixed spreader beam structure. Option to construct your own spreader beam under our guidance also available.
- Plate lengths from 4 Mtr to 16 Mtr and from 5mm thickness onwards can be handled.
- Special safety - Will not demagnetise when load is hanging and spreader is in tension suspension due to incorporation of safety contact-less sensor.
- Special safety - Will not handle load when battery power is below critical level or drop load upon sudden battery power drop.
- Each magnet is hanged from suspension spring dampeners to adjust to the bendness of plates.

