

# EMPL PLATE-TILT

EPM

ELECTROPERMANENT VERTICAL PLATE LIFTING 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



EPMLT	Plate Specifications (Max) in mm Minimum Thickness of 5mm			No. of Magnets	Magnet Dimensions	Structure weight (Kgs)	
	MODEL	Length (mm)	Width (mm)				Capacity (Kgs)
					L x W (mm)		
	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

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 backup 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
- 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

