

MAGNETIC TECHNOLOGY

MEGA DRUM MAGNET

Model MDM

TECHNICAL SPECIFICATIONS

The SGM Mega Drum Magnet (MDM) is a special version of the SGM electro-drum magnet (TMR) designed with a larger ferrous core section and lower current density to further optimize ferrous attraction and meet the most demanding car shredder application situations in terms of tons of scrap to process per hour and requirement for a continuous use. The MDM are typically positioned above the feeder (either belt or shaker pan) attracting ferrous from the distance. The exceptional attraction performance of the MDM allows to optimize the distance from feeder to drum shell which offers maximum opportunity for the non-ferrous material (shredder residue) to drop, considering also that the largest pieces of ferrous start taking-off towards the drum magnet from over 1270 mm - 50" distance.

As a standard, the MDM is provided with a double manganese steel shell (10mm - 0.39" for inner shell + 8mm - 0.32" for outer shell) for easy replacement of outer shell in case of wear and an inside counter weight to facilitate the positioning process of magnet polarities.

OPTIONAL FEATURES

- Drum sprocket and drive assembly.

MODEL mm - ft	MAGNET WEIGHT	MAGNET POWER	WORKING DISTANCE	MOTOR CAPACITY REQUIRED	SPEED RPM	NO. KNOCK OFF BARS H = 64 mm 2 1/2"	NO. OF PADDLES H = 115 mm 4 1/2"	LENGTH	DIAMETER	EXTER. DISC DIAM.
MDM 130x150 51x59	7,900 Kg 17,420 lbs	11.5 kW	250-300 mm 10"-12"	10 HP	22	10	2	1500 mm 59"	1300 mm 51"	1300 mm 51"
MDM 130x180 51x71	9,000 Kg 19,800 lbs	13 kW	250-300 mm 10"-12"	10 HP	22	10	2	1800 mm 70"	1300 mm 51"	1700 mm 67"
MDM 130x210 51x83	10,500 Kg 23,150 lbs	14.5 kW	250-300 mm 10"-12"	15 HP	22	10	2	2100 mm 82"	1300 mm 51"	1700 mm 67"
MDM 150x180 60x71	12,000 Kg 26,500 lbs	11.5 kW	300-350 mm 12"-14"	15 HP	18	10	2	1800 mm 70"	1500 mm 59"	2000 mm 79"
MDM 150x210 60x83	15,000 Kg 33,000 lbs	16 kW	300-350 mm 12"-14"	20 HP	18	10	2	2100 mm 83"	1500 mm 59"	2000 mm 79"
MDM 150x250 60x98	17,000 Kg 37,500 lbs	16 kW	300-350 mm 12"-14"	20 HP	18	10	2	2500 mm 98"	1500 mm 59"	2250 mm 89"
MDM 180x210 71x83	16,200 Kg 35,700 lbs	16 kW	350-400 mm 14"-16"	25 HP	16	10	2	2100 mm 83"	1800 mm 70"	2250 mm 89"
MDM 180x250 71x98	19,850 Kg 43,800 lbs	19 kW	350-400 mm 14"-16"	25 HP	16	10	2	2500 mm 98"	1800 mm 70"	2250 mm 89"
MDM 180x280 71x110	20,300 Kg 44,800 lbs	20 kW	350-400 mm 14"-16"	30 HP	16	10	2	2800 mm 110"	1800 mm 70"	2250 mm 89"

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TYPICAL APPLICATIONS

Auto Shredder Residue (ASR)

