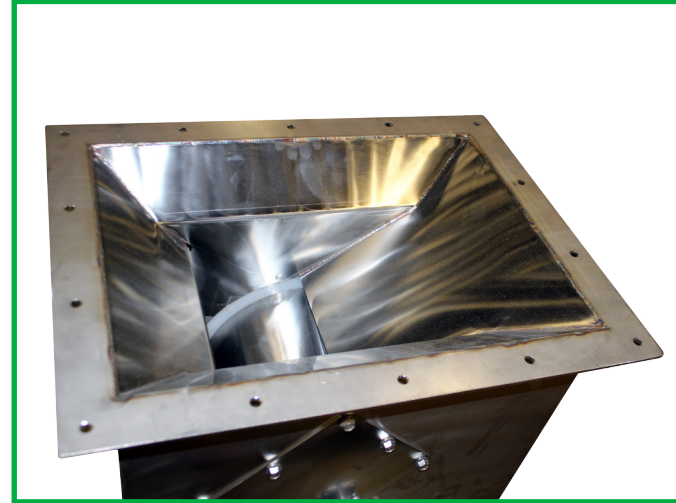




# Magnetic Drum Separator

Series: DSH



## Application

MPI's Magnetic Drum Separators are designed to provide trouble-free automatic extraction of tramp iron from heavy flows of large size and abrasive materials such as coal, aggregates, ores, sugarcane, wheat etc.

## Standard Features

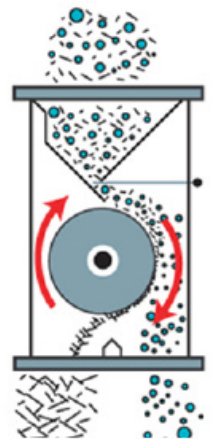
- Permanent Ceramic 8 magnet material
- Gear reduction drive motors with inline torque limiter, 230/460 volt, 3 phase, 60 cycle
- Stainless steel construction
- Adjustable feed control gate
- Easy removal of drum from drive side access panel for service and maintenance without removing housing from line

## Options

- Explosion-proof motor
- Demagnetizers
- Custom widths
- Rare earth magnet material

## Operation

When the product stream contacts the drum, the powerful permanent magnetic field attracts and retains ferrous particles on a revolving shell. As the product stream flows by the shell, any non-ferrous product falls unhindered from the shell, while tramp metal particles are retained and carried away from the product stream by the drum, out of the magnetic field, past a divider and deposited into a tramp metal collection container. Magnetic Drum Separators are available in standard diameters from 12" to 36" (305 to 915mm) and widths from 12" to 60" (305 to 1525mm). They are capable of providing efficient separation on volumes up to 25,600 cubic feet (725 cubic meters) per hour.

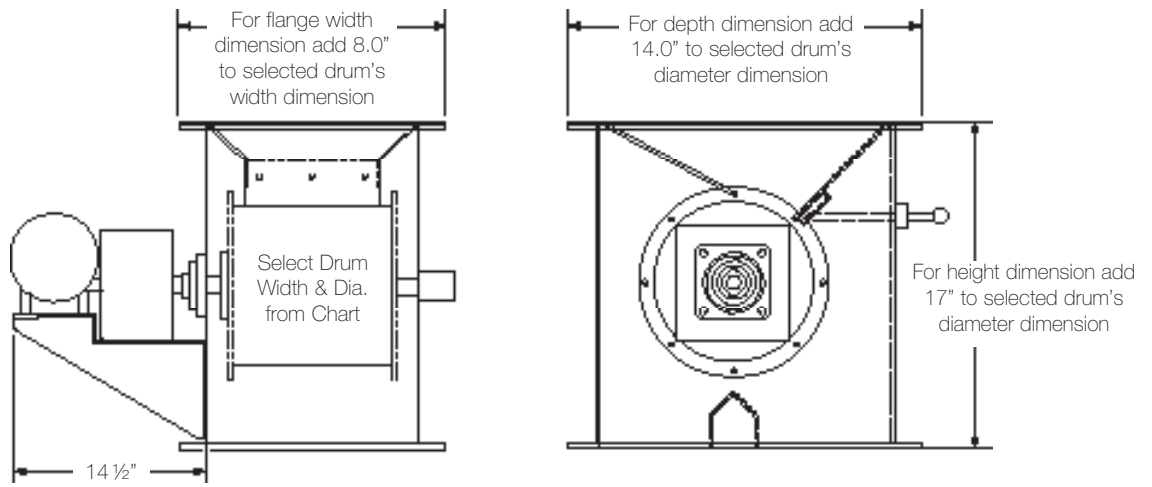


*\*Specifications subject to change*

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**MPI**

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## DSH Selection Guide

Drum Diameter (Inches)	Drum Width		Capacity		Drum Diameter (Inches)	Drum Width		Capacity	
	IN	MM	Cubic ft. per hr.	Cubic m per hr.		IN	MM	Cubic ft. per hr.	Cubic m per hr.
<b>12"</b> 305 mm 45 rpm	12	305	1000	28	<b>24"</b> 610 mm 30 rpm	18	457	3700	105
	14	356	1200	34		20	508	4200	119
	16	406	1400	40		24	610	5100	145
	18	457	1600	45		30	762	6500	185
	20	508	1800	50		36	915	7800	220
	24	610	2200	62		42	1067	9200	260
	30	762	2800	80		48	1219	10500	300
	36	915	3300	93		54	1372	11900	340
42	1067	3900	110	60		1524	13200	375	
<b>15"</b> 380 mm 40 rpm	12	305	1250	35		<b>30"</b> 762 mm 25 rpm	24	610	7200
	14	356	1500	42	30		762	9200	260
	16	406	1750	50	36		915	11100	315
	18	457	2000	57	42		1067	13000	370
	20	508	2200	62	48		1219	14900	420
	24	610	2700	76	54		1372	16800	475
	30	762	3400	96	60		1524	18700	530
	36	915	4100	116	<b>36"</b> 915 mm 20 rpm		24	610	9800
42	1067	4800	136	30			762	12500	350
48	1219	5500	156	36			915	15200	430
12	305	1600	45	42		1067	17800	500	
14	356	1900	54	48		1219	20400	580	
16	406	2200	62	54		1372	23000	650	
18	457	2500	71	60		1524	25600	725	
20	508	2800	79						
24	610	3400	96						
30	762	4300	122						
36	915	5200	147						
42	1067	6100	173						
48	1219	7000	198						

\*Specifications subject to change

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