

Tube Magnet
Crane Magnet
Magnetic Strainer
Magnet Plate
Electromagnetic Separator OG
Electromagnetic Filter
Stainless Steel Separator
Magnetic Pulley
Dry-Type Magnets Separator
Suspension Type Permanent Magnetic Separator
Suspension Type Electromagnetic Separator
Eddy Current Separator
Eddy Current Separator System
Can Separator
Press Machine
Lifting Magnet
Might Hammer
Eddy Current Heat System
Electronic Corona Separator
Other Magnetic Separator

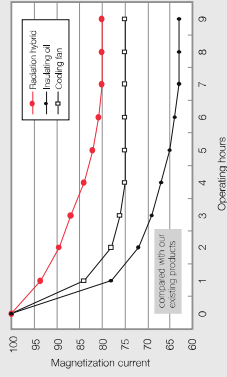
Common

- 21 Suspension Type Electromagnetic Separator Type HUF-S
- 22 Suspension Type Electromagnetic Separator Type HUF-H

Comparison of coil cooling methods

	Subcooling unit resulting of	Force cooling using fan
Cooling effect	○	△
Fire safety	○	×
Contamination of cover dust	○	×
Installation environment	○	△
Maintenance/adjustment	○	×
Dimensions/weight	○	×
Cost	○	△

Operating hours versus load current characteristic curve



HUF (Hybrid type) Magnetic flux density

Model	50	100	150	200	250	300	350	400
HUF-S30 / HUF-H30	1.597(1.316)	812(678)	449(365)	265(215)	168(134)	111(64)	73(65)	53(46)
HUF-S35 / HUF-H35	2.070(1.520)	1,150(830)	706(520)	466(348)	328(224)	218(154)	157(118)	117(87)
HUF-S40 / HUF-H40	2.200(1.520)	1,380(975)	940(642)	640(443)	453(312)	330(234)	248(172)	190(130)
HUF-S45 / HUF-H45	2.368(1.723)	1,783(1.259)	1,256(898)	863(638)	643(461)	479(345)	360(262)	281(204)
HUF-S50 / HUF-H50	2.642(1.862)	2,058(1.443)	1,467(1.043)	1,022(755)	822(575)	621(438)	480(355)	376(283)
HUF-S60 / HUF-H60	2.877(1.990)	2,290(1.570)	1,771(1.210)	1,360(915)	998(700)	769(540)	601(425)	477(336)
HUF-S70 / HUF-H70	-	2,628(1.998)	2,171(1.651)	1,746(1.328)	1,378(1.048)	1,111(844)	893(678)	723(549)
HUF-S80 / HUF-H80	-	3,010(2.240)	2,600(1.840)	2,140(1.500)	1,710(1.220)	1,410(1.000)	1,144(810)	938(670)
HUF-S90 / HUF-H90	-	3,080(2.300)	2,630(1.975)	2,155(1.657)	1,810(1.370)	1,495(1.133)	1,245(938)	1,045(785)

* (1/25.6) is the magnetic force in terms of weight.

21 Dry, Self-Cooled Suspension Electromagnetic Separator Model: HUF-S (Dry Material)

Hybrid Heat Releasing System, No Insulation Oil Necessary



Usage
HUF-S is designed to install above and at 90 degrees to primary conveyor belt and remove scrap metal from the primary conveyor.

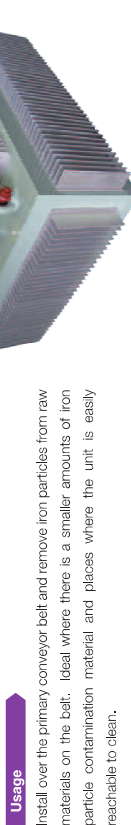
- Features**
- The dry self-cooling mechanism requires no insulation oil or cooling fan to cool the coil. Therefore, there is no fire hazard.
 - The unit requires no cooling oil, therefore, it can be installed in any angle.
 - High cooling efficiency maximizes separator ability without a dust protection cover and allows 24-hour continuous operation.
 - Durable mechanical design for outdoor use.

- Specifications**
- Standard model equipped with wear protection rubber. Also, available in oil protection rubber and protection cover models.
 - Includes controller and suspension bolts.
 - Available permanent magnet combo design.

Model	Applicable belt width (mm)	Power input (volts/AC)	Maximizing power (kW)	Demagnet (mm)	Body dimensions (mm)	Magnet dimensions (mm)	Belt width (mm)	Approximate weight (kg)
	L	W	H	L1	W1	H1	W2	
HUF-S30	450 MAX.	1.0	1.8	920	830	400	540	400
HUF-S35	500 MAX.	2.1	2.9	2,050	1,080	690	700	550
HUF-S40	550 MAX.	2.5	4.0	2,450	1,330	699	740	600
HUF-S45	600 MAX.	3.4	4.9	2,600	1,430	779	850	680
HUF-S50	650 MAX.	4.5	6.0	2,750	1,430	779	950	1,100
HUF-S60	800 MAX.	7.6	7.8	3,050	1,570	969	1,050	1,000
HUF-S70	1,050 MAX.	8.6	12.3	3,490	1,790	1,200	1,240	1,050
HUF-S80	1,400 MAX.	11.1	14.8	4,180	2,030	1,265	1,400	1,500
HUF-S90	1,600 MAX.	11.5	17.0	4,120	2,250	1,216	1,600	1,400

22 Suspension Type Electromagnetic Separator Model: HUF-H

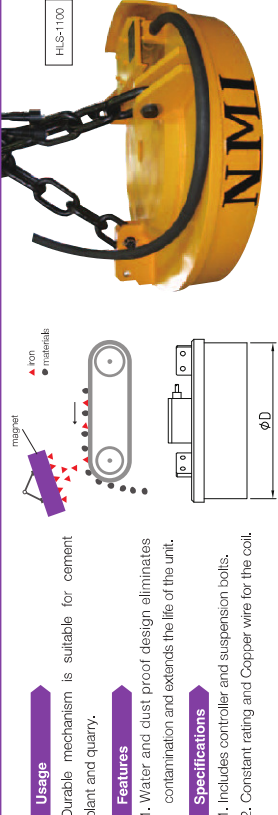
Hybrid Heat Releasing System, No Insulation Oil Necessary



Usage
Install over the primary conveyor belt and remove iron particles from raw materials on the belt. Ideal where there is a smaller amounts of iron particles contamination material and places where the unit is easily reachable to clean.

- Specifications**
- Including controller and suspension bolts.
 - Refer size and Capability with HUF-S spec sheet.
 - Durable mechanical design for outdoor use.

23 Round Electromagnetic Separator Model: HLS



Usage
Durable mechanism is suitable for cement plant and quarry.

Features
1. Water and dust proof design eliminates contamination and extends the life of the unit.

Specifications
1. Includes controller and suspension bolts.
2. Constant rating and Copper wire for the coil.

Model	Process input (volts/AC)	Magnetic power (kW)	Dimensions (mm)	Approximate Weight (kg)	Distance from the surface magnet (mm)									
					50	100	150	200	250	300	350	400		
HLS-300	0.2	300	110	960(650)	385(278)	181(127)	96(68)	59(40)	36(24)	24(17)	17(13)	17(13)	17(13)	17(13)
HLS-400	0.4	400	170	1,018(85)	523(375)	273(185)	152(104)	91(62)	58(40)	38(28)	27(19)	27(19)	27(19)	
HLS-500	0.7	500	320	1,470(980)	810(512)	463(290)	278(171)	172(107)	110(70)	74(47)	50(33)	50(33)	50(33)	
HLS-600	0.9	600	400	1,438(985)	914(535)	503(338)	348(213)	228(138)	152(85)	106(68)	77(48)	77(48)	77(48)	
HLS-700	1.1	700	550	1,681(1,038)	1,144(728)	751(461)	495(320)	341(218)	231(152)	168(108)	128(81)	128(81)	128(81)	
HLS-800	1.4	800	750	1,877(860)	1,050(660)	741(466)	522(355)	370(232)	268(165)	198(121)	145(90)	145(90)	145(90)	
HLS-900	1.9	900	1,000	1,685(1,022)	1,307(818)	958(608)	684(441)	508(322)	374(238)	282(176)	217(133)	217(133)	217(133)	
HLS-1100	3.4	1,100	1,700	2,029(1,444)	1,665(1,294)	1,330(1,028)	1,008(911)	769(677)	615(468)	478(385)	378(285)	378(285)	378(285)	
HLS-1300	4.7	1,300	2,700	2,650(1,870)	2,310(1,640)	1,930(1,360)	1,560(1,105)	1,200(987)	1,020(700)	803(573)	641(466)	641(466)	641(466)	
HLS-1600	7.7	1,500	4,200	3,630(2,850)	3,300(2,460)	2,670(2,030)	2,200(1,625)	1,740(1,300)	1,415(1,047)	1,151(842)	944(694)	944(694)	944(694)	

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