

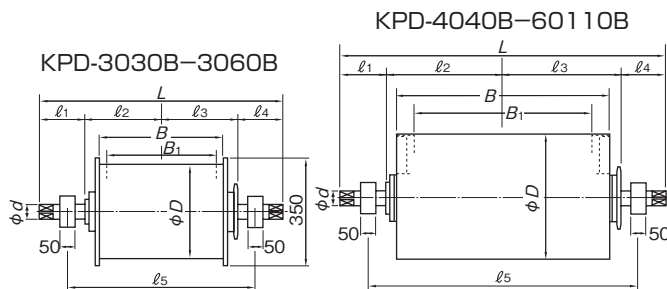
## Model KPD PERMANENT MAGNETIC DRUM



KPD-4080B

### [Application]

Used for sorting wastes and removing iron from granular materials in mining, ceramic, chemical and food industries.

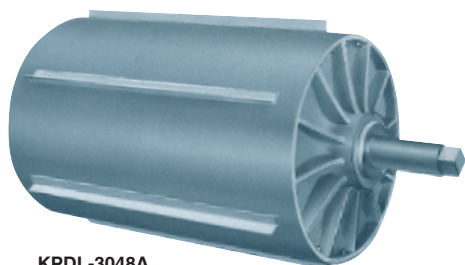


### [Features]

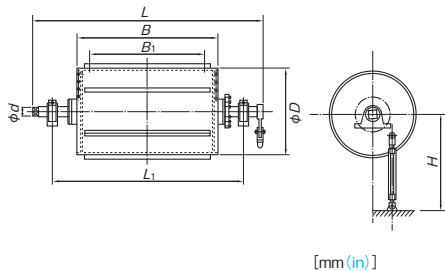
- A powerful permanent magnet is used, requiring no power source.
- The outer nonmagnetic drum is rotated to automatically discharge iron.
- The drum shell is made of nonmagnetic stainless steel.
- KPD-HA 180 mT (1800 G), HB 250 mT (2500 G), HC 300 mT (3000 G) and HE 500 mT (5000 G) Series are also available.
- In addition to the permanent magnet type, an electromagnet type (KED) is also available.

Model	Processing Capacity	Dimensions									Surface Magnetic Flux Density	Recommended Revolution	Recommended Motor	Mass													
		D	B <sub>1</sub>	B	l <sub>2</sub>	l <sub>3</sub>	L	l <sub>4</sub>	l <sub>5</sub>	φd																	
KPD- 3030B	025m <sup>3</sup> /h	268 (10.5)	300 (11.8)	200 (7.87)	225 (8.85)	690 (27.1)	580 (22.8)					100mT (1000G)	30-45rpm	0.4kW	60kg/ 132 lb												
KPD- 3040B	035m <sup>3</sup> /h	368 (14.4)	400 (15.7)	250 (9.84)	275 (10.8)	790 (31.1)	680 (26.7)				120 (4.72)				25-40rpm	0.4kW	80kg/ 176 lb										
KPD- 3050B	045m <sup>3</sup> /h	468 (18.4)	500 (19.6)	300 (11.8)	325 (12.8)	890 (35.0)	780 (30.7)										145 (5.70)	20-35rpm	0.75kW	100kg/ 220 lb							
KPD- 3060B	055m <sup>3</sup> /h	568 (22.3)	600 (23.6)	350 (13.7)	375 (14.7)	990 (38.9)	880 (34.6)													155 (6.10)	15-30rpm	0.75kW	120kg/ 264 lb				
KPD- 4040B	045m <sup>3</sup> /h	330 (12.9)	430 (16.9)	260 (10.2)	292 (11.5)	830 (32.6)	710 (27.9)																60 (2.36)	0.4kW	0.75kW	150kg/ 330 lb	
KPD- 4050B	060m <sup>3</sup> /h	430 (16.9)	530 (20.8)	310 (12.2)	342 (13.4)	930 (36.6)	810 (31.8)																			65 (2.55)	0.75kW
KPD- 4065B	075m <sup>3</sup> /h	580 (22.8)	680 (26.7)	385 (15.2)	417 (16.4)	1080 (42.5)	960 (37.8)						55 (2.16)	0.75kW													
KPD- 4080B	090m <sup>3</sup> /h	730 (28.7)	830 (32.6)	460 (18.1)	492 (19.3)	1230 (48.4)	1110 (43.7)				123 (4.84)				0.75kW	1.5kW											
KPD- 5050B	080m <sup>3</sup> /h	430 (16.9)	530 (20.8)	310 (12.2)	342 (13.4)	930 (36.6)	810 (31.8)										155 (6.10)	0.75kW	1.5kW								
KPD- 5065B	105m <sup>3</sup> /h	580 (22.8)	680 (26.7)	385 (15.2)	417 (16.4)	1080 (42.5)	960 (37.8)													60 (2.36)	0.75kW	1.5kW					
KPD- 5080B	125m <sup>3</sup> /h	730 (28.7)	830 (32.6)	460 (18.1)	492 (19.3)	1230 (48.4)	1110 (43.7)																65 (2.55)	0.75kW	1.5kW		
KPD- 5095B	150m <sup>3</sup> /h	880 (34.6)	980 (38.5)	535 (21.0)	567 (22.3)	1380 (54.3)	1260 (49.6)																			155 (6.10)	0.75kW
KPD- 6065B	090m <sup>3</sup> /h	580 (22.8)	680 (26.7)	385 (15.2)	417 (16.4)	1080 (42.5)	950 (37.4)					65 (2.55)	0.75kW	1.5kW													
KPD- 6080B	190m <sup>3</sup> /h	730 (28.7)	830 (32.6)	460 (18.1)	492 (19.3)	1230 (48.4)	1100 (43.3)				65 (2.55)				0.75kW	1.5kW											
KPD- 6095B	220m <sup>3</sup> /h	880 (34.6)	980 (38.5)	535 (21.0)	567 (22.3)	1380 (54.3)	1250 (49.2)										65 (2.55)	0.75kW	1.5kW								
KPD-60110B	240m <sup>3</sup> /h	1030 (40.5)	1130 (44.4)	610 (24.0)	642 (25.2)	1530 (60.2)	1400 (55.1)													65 (2.55)	0.75kW	1.5kW					

## Model KPDL LARGE PERMANENT MAGNETIC DRUM



KPDL-3048A



[mm (in)]

### [Application]

This model is recommended for removal of large iron pieces and iron lumps from various raw materials as well as from bulky wastes.

### [Features]

- The super powerful, large magnet generates a uniform and strong magnetic force.
- The robust construction can withstand impacts by large iron pieces when they are collected.
- Scrapers for complete removal and collection are provided.
- The magnet position adjusting turnbuckle is installed to enable adjustment of the collection position as desired.
- In addition to the permanent magnet type, an electromagnet type (KEDL) is also available.

Model	Processing Capacity, (Magnetized substance X 75%)	Dimensions							Surface Magnetic Flux Density	Recommended Revolution		Recommended Motor	Mass							
		B <sub>1</sub>	B	L <sub>1</sub>	L	D	φd	H		Over Feed	Under Feed									
KPDL-3026A	12-17t/h	460 (18.1)	660 (25.9)	1140 (44.8)	1420 (55.9)				100mT (1000G)	25-30 rpm	1.5kW	700kg/ 1543 lb								
KPDL-3048A	20-32t/h	1020 (40.1)	1220 (48.0)	1700 (66.9)	1980 (77.9)	760 (29.9)	100 (3.93)	1190 (46.8)				26-35 rpm	2.2kW	1000kg/ 2205 lb						
KPDL-3060A	28-40t/h	1320 (51.9)	1520 (59.8)	2000 (78.7)	2280 (89.7)									20-25 rpm	3.7kW	1200kg/ 2646 lb				
KPDL-3636A	16-24t/h	660 (25.9)	930 (36.6)	1430 (56.3)	1730 (68.1)											1260 (49.6)	3.7kW	1000kg/ 2205 lb		
KPDL-3648A	25-36t/h	950 (37.4)	1220 (48.0)	1720 (67.7)	2020 (79.5)	930 (36.6)												1260 (49.6)	3.7kW	1350kg/ 2976 lb
KPDL-3660A	35-50t/h	1250 (49.2)	1520 (59.8)	2020 (79.5)	2320 (91.3)															1260 (49.6)
KPDL-3672A	42-60t/h	1550 (61.0)	1820 (71.6)	2320 (91.3)	2620 (103.1)					1260 (49.6)	3.7kW									
KPDL-4260A	40-56t/h	1250 (49.2)	1520 (59.8)	2180 (85.8)	2520 (99.2)							1080 (42.5)	3.7kW							
KPDL-4272A	40-65t/h	1550 (61.0)	1820 (71.6)	2480 (97.6)	2820 (111.0)									1080 (42.5)	3.7kW					

### Measurements of magnet attractive force (attraction distance)

No.	Test Piece to Attract	Weight (g)	Attraction Distance (mm)
1	12-cm nail	10g/0.02 lb	400 (15.7)
2	Hex bolt M10 × 70	40g/0.09 lb	325 (12.8)
3	Hex bolt M16 × 100	60g/0.13 lb	300 (11.8)
4	Hex bolt M20 × 100	280g/0.61 lb	275 (10.8)
5	Hex nut M20	30g/0.06 lb	150 (5.90)
6	Round bar φ20 × 200	480g/1.06 lb	350 (13.7)
7	Steel plate 25 × 30 × 65	350g/0.87 lb	200 (7.87)
8	Steel plate 6 × 55 × 280	720g/1.59 lb	400 (15.7)
9	Angle 40 × 40 × 350	930g/2.05 lb	400 (15.7)

\* Values by KPDL-3660A.

MAGNETIC TOOLS & EQUIPMENT FOR WELDING OPERATION  
 LIFTING MAGNET  
 MAGBONE  
 MAGNETIC EQUIPMENT FOR CONVEYANCE  
 MAGNETIZER AND ENVIRONMENTAL EQUIPMENT  
 MAGNETIC SEPARATORS  
 POWERFUL MAGNETIC SEPARATORS  
 MEASURING TOOLS  
 MEASURING INSTRUMENTS  
 MAGNETIC MATERIALS