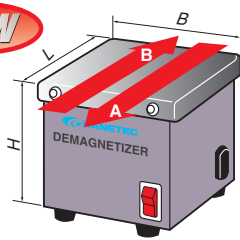


Model **KMDY** TABLE TYPE DEMAGNETIZER

Demagnetization has been improved by implement of stronger magnetic field.



(Demagnetizing direction)

[Application]

Designed for removing or reducing residual magnetism by passing affected work pieces over the demagnetizing face.

[Features]

- Use of a new 3-phase AC power design results in a more powerful magnetizing field to effectively demagnetize difficult work material and work shapes.
- Effective demagnetization of work such as ring shapes such as assembled bearing gears.
- Improved heat dissipation making continuous use possible.

[mm (in)]

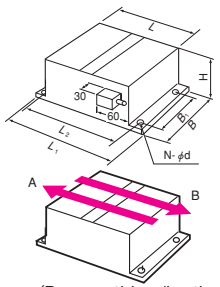
Model	Power Source	Source Capacity	Duty Cycle	Demagnetizing Width	Dimensions			Mass
					B	L	H	
KMDY-1	3phase AC200V 50/60Hz	0.43/0.36kVA(2.15A/1.8A) (50/60Hz)	100% ED	140(5.51)	200(7.87)	200(7.87)	150(5.90)	14kg/30.8 lb

※2m cord provided.

Model **KMDS** WATER-PROOF TYPE DEMAGNETIZER



KMDS-2A



(Demagnetizing direction) KMDS

[Application]

These demagnetizers produce a strong magnetic field on the surface by use of an AC power source to demagnetize workpieces on a belt which runs over close to the surface.

[Features]

- They are water-proofed and will not fail when wetted by cutting oil or cooling water.
- They can be incorporated in belt type grinders or other automatic and continuous grinders.
- The very strong demagnetizing force produced provides some margin on gap width on the surface to allow a belt conveyor to run over the working face.



**Precautions for use**

Cool them always by pouring water, 50% rated when you use them in dry area (electrifying them for 20 minutes and turning off for 20minutes.)

[mm (in)]

Model	Power Source	Power Capacity (Current)	Working Rate	Dimensions							Mass	
				B	L	H	B <sub>i</sub>	N	φd	L <sub>1</sub>		L <sub>2</sub>
KMDS-1A	Single-phase 200 VAC 50/60Hz	200VA (1A)	50% ED	150(5.90)	206(8.10)	100(3.93)	—	2(0.07)	8.5	260(10.2)	235(9.25)	9.0kg/19 lb
KMDS-2A		400VA (2A)	Usable continuously	200(7.87)	—	—	—	(0.33)	—	—	—	13.5kg/30 lb
KMDS-3A		800VA (4A)	Usable continuously when water-cooled.	400(15.7)	350(13.7)	120(4.72)	120(4.72)	4(0.15)	—	410(16.1)	380(14.9)	41.0kg/90 lb

※2m cord provided. ※The switch is not housed. ※A different-voltage type (special type) is also available.

Model **KMD-F** INVERTER CONTROL TYPE DEMAGNETIZER

Less power and enhanced demagnetizing performance!



KMD-F20



[Application]

This model is designed to generate an alternating magnetic field on the surface by an AC power source, where workpieces are passed to eliminate the magnetism remaining on the surface of workpieces.

[Features]

- Demagnetization is carried out by varying (sweeping) a frequency lower than commercial frequencies from a lower point to a higher point. This model has improved the demagnetizing performance without increasing the amount of electricity to use.
- The demagnetizing part is of the same dimensions as the conventional table type demagnetizer (KMD-C). With the same output current (AC effective value) as conventional models, the residual magnetism in workpieces (SKH material) can be reduced to one third.
- Workpieces are demagnetized by passing them over the demagnetizing surface at a constant speed, as with conventional models.
- Continuous power on specification, but heat generated in the demagnetizing part is less than conventional models.
- A demagnetizing output variable resistor is provided on the electrical unit that can vary the output current (AC effective value) in a range of 100 % and 70 % . This feature achieves demagnetization of low-carbon steels like S45C by less power (70%) than conventional models.

[mm (in)]

	Model	Power Source	Source Capacity	Output	Working Rate	Demagnetizing Width	Dimensions			Mass
							Width	Length	Height	
Demagnetizing part	KMD-F20	Single-phase 100 VAC	200VA(2.7A)	±20V MAX5A	100%	130(5.11)	200(7.87)	120(4.72)	80(3.15)	6.5kg/ 14 lb
Electrical unit	EHD-20A	50/60Hz					145(5.70)	175(6.89)	260(10.2)	4.5kg/9.9 lb
Demagnetizing part	KMD-F30	Single-phase 200 VAC	400VA(3.4A)	±30V MAX7.5A	100%	180(7.08)	300(11.8)	200(7.87)	120(4.72)	21.0kg/ 46 lb
Electrical unit	EHD-30A	50/60Hz					250(9.84)	175(6.89)	290(11.4)	5.8kg/ 13 lb

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