

Model **KETB** AIRUP*

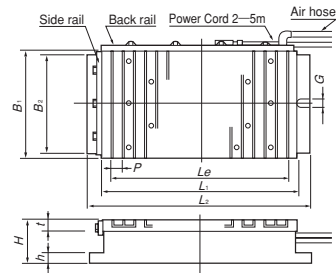
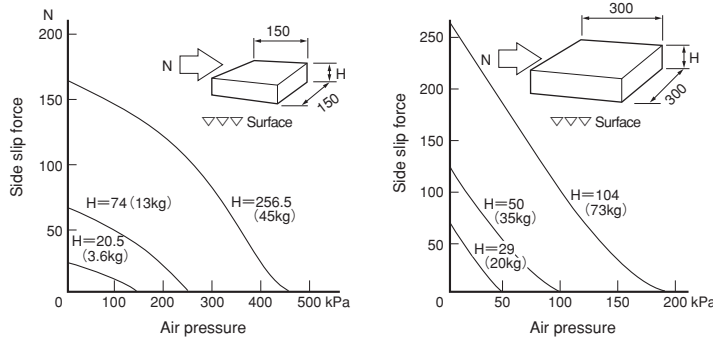
Pneumatic floating type



KETB-3060B

Control unit required additionally

<Air pressure and side slip force>



[mm (in)]

Model	Nominal Dimensions	Top Plate			Pole Pitch	Bottom Plate			Height	Hole	Voltage	Current	Power Cord	Mass	Control Unit	Remarks
		B ₁	L ₁	t		L _e	B ₂	L ₂								
KETB- 2050B	200 (7.87) × 500 (19.6)	200 (7.87)	500 (19.6)	464 (18.2)	14 (2+12)	194 (7.63)	544 (21.4)	18 (0.70)	92 (3.62)	14	90 VDC	0.34A	64kg / 141 lb	ES-VB305A	The control unit incorporates an air regulator, rectifier and demagnetizer.	
KETB- 2060B	200 (7.87) × 600 (23.6)	200 (7.87)	600 (23.6)	548 (21.5)	(0.55)	290 (11.4)	600 (23.6)	20 (0.78)								97 (3.81)
KETB- 2550B	250 (9.84) × 500 (19.6)	250 (9.84)	500 (19.6)	451 (17.7)	19.5 (2.5+17)	244 (9.60)	500 (19.6)	20 (0.78)	102 (4.01)	0.56A	84kg / 185 lb					
KETB- 3060B	300 (11.8) × 600 (23.6)	300 (11.8)	600 (23.6)	529 (20.8)		390 (15.3)	600 (23.6)					1.09A	169kg / 372 lb			
KETB- 4050B	400 (15.7) × 500 (19.6)	400 (15.7)	500 (19.6)	451 (17.7)	1.74A	500 (19.6)	3m (118)	281kg / 619 lb								
KETB- 4060B	400 (15.7) × 600 (23.6)	400 (15.7)	600 (23.6)	529 (20.8)		1.09A			600 (23.6)	5m (196)	351kg / 773 lb					
KETB-40100B	400 (15.7) × 1000 (39.4)	400 (15.7)	1000 (39.4)	958 (37.7)	1.74A	1000 (39.4)	3m (118)	175kg / 385 lb								
KETB- 5050B	500 (19.6) × 500 (19.6)	500 (19.6)	500 (19.6)	451 (17.7)	0.93A	500 (19.6)			5m (196)	253kg / 557 lb						
KETB-50100B	500 (19.6) × 1000 (39.4)	500 (19.6)	1000 (39.4)	958 (37.7)	1.71A	1000 (39.4)	3m (118)	351kg / 773 lb								
KETB- 6060B	600 (23.6) × 600 (23.6)	600 (23.6)	600 (23.6)	529 (20.8)	1.48A	600 (23.6)			5m (196)	422kg / 930 lb						
KETB-60100B	600 (23.6) × 1000 (39.4)	600 (23.6)	1000 (39.4)	958 (37.7)	3.10A	1000 (39.4)	5m (196)	562kg / 1239 lb								
KETB-80100B	800 (31.5) × 1000 (39.4)	800 (31.5)	1000 (39.3)	958 (37.7)	4.23A	1000 (39.3)										

[Application]

Air is jetted through air holes provided on the chuck work face to float a workpiece for easy positioning, mounting and dismounting and movement. The chucks can be air cooled by adding a cooling device. This model is for grinding, but a model for cutting is also available upon request.

[Features]

- Workpieces having strong residual holding power can be separated and floated by the pressure of a small amount of air for easy removal.
- The optimum floating condition can be adjusted according to the materials, sizes and shapes of workpieces by increasing/decreasing the air pressure supplied from the control unit.
- As a small amount of air is constantly jetted through air holes during grinding, intrusion of grinding fluid and ground powder can be prevented.
- The air circuit in the chuck has a construction specially developed by Kanetec to minimize clog.
- The control unit is an easy-to-operate special unit incorporating an air regulator, rectifier and demagnetizer.

ELECTROMAGNETIC CHUCKS

CHUCK CONTROLLERS

PERMANENT MAGNETIC CHUCKS

PERMANENT ELECTROMAGNETIC CHUCKS

BLOCKS FOR MC

VACUUM CHUCKS

PROMELTA SYSTEM

SINE BAR CHUCKS

MAGNETIC BLOCKS

WORKING TOOLS

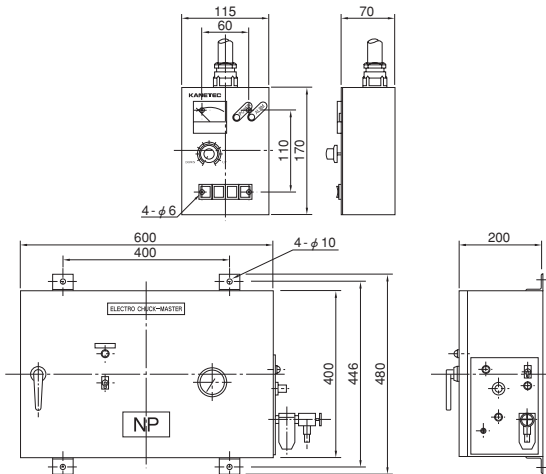
MEASURING TOOL HOLDERS

MAGNETIC HOLDERS

MAGNETIC TOOLS

Model **ES-VB** CONTROL UNIT FOR AIRUP*

<Dimensions of remote operation box>



[Application]

This control unit is computer controlled to create the most effective demagnetizing patterns within a short period of time, thus providing the consistent demagnetizing effect constantly. The operation is quite simple. No complicated adjustment is necessary and an electric valve control circuit for floating is also incorporated. During grinding of workpieces, air at low pressure [about 20 kPa (0.2 kg/cm²)] is jetted through holes provided on the chuck work face to prevent intrusion of waste fluid/oil and fine particles. When unloading workpieces after the end of grinding, the circuit is automatically switched over to the high pressure [about 150 kPa (1.5 kg/cm²)] in response to the demagnetizing command to float workpieces.

[Features]

- The demagnetizing time is as short as 6 to 15 seconds and consistent demagnetizing effect can be obtained.
- The magnetic force can be adjusted and workpieces can be straightened also.
- The anti-noise feature ensures consistent performance in certain noisy environment.
- Incorporates a compact air unit.

[mm (in)]

Model	Input		Output		Dimensions			Mounting			Air Control Unit	Mass	Operation Box		
	Voltage		Voltage	Current	W	D	H	W	H	Hole			W	D	H
ES-VB305A	Single phase 100/200 VAC		0-90 VDC	5A	600 (23.6)	200 (7.78)	400 (15.7)	400 (15.7)	446 (17.5)	4-φ10 (φ0.39)	Built in	40kg/88 lb	115 (4.52)	70 (2.75)	170 (6.69)

※For applications where the output current more than 5 A is required, the controller and the air control unit come as specially fabricated separate units.

※The applicable air pipe diameter is φ8 or φ12. ※The output is adjusted with a variable resistor.