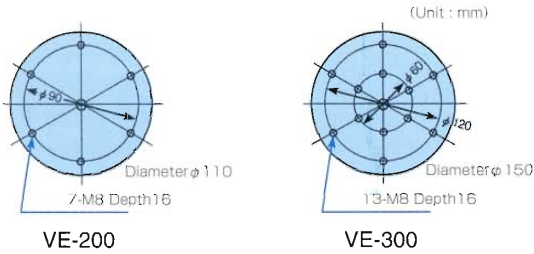


# AIR COOLED "VS" SERIES VIBRATION TEST SYSTEMS

<Table mounting bolt layout>



## Specification

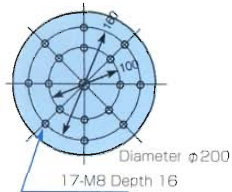
System Model		VS-120-06	VS-150-1	VS-170-2	VS-200-2	VS-250-2	VS-300-2	VS-300-3	
System Performance	Frequency range Hz	5~4 500	5~4 500	5~4 500	5~4 500	5~4 000	5~4 000	5~4 000	
	Rated force	SINE kN	1.17	1.47	1.66	1.96	2.45	2.94	2.94
		RANDOM kN rms	0.823	1.02	1.16	1.37	1.71	2.05	2.05
	Max. Acceleration $m/s^2$	585	735	830	980	907	980	980	
	Max. Velocity m/s	0.7	1.15	2.0	1.75	1.35	1.1	1.7	
	Max. Displacement mm-p	25	25	25	25	25	25	25	
	Max. Loading weight kg	70	70	70	70	120	120	120	
System Power consumption	3.7	4.5	6.5	6.5	6.5	6.5	7.5		
Vibrator	Model	VE-200	VE-200	VE-200	VE-200	VE-300	VE-300	VE-300	
	Mass of armature kg	2	2	2	2	2.7	2.7	2.7	
	Diameter of vibration table mm	110	110	110	110	150	150	150	
	Max. Allowable Overturning Moment N-m	140	140	140	140	160	160	160	
	Dimensions WxHxD mm	660x625x530	660x625x530	660x625x530	660x625x530	720x640x550	720x640x550	720x640x550	
Weight kg	320	320	320	320	450	450	450		
Power Amplifier	Model	VA-06-02	VA-1	VA-2	VA-2	VA-2	VA-2	VA-3	
	Max. Output kVA	0.6	1	2	2	2	2	3	
	Dimensions WxHxD mm	580x1 750x850	580x1 750x850	580x1 750x850	580x1 750x850	580x1 750x850	580x1 750x850	580x1 750x850	
Weight kg	180	230	270	270	270	270	310		
Hydraulic	Vibration controller	Selected from Model RC-1120 or the others							
Cooling	Type of cooling	Forced air cooling							
	Dimensions WxHxD mm	386x882x370	386x882x370	386x882x370	386x882x370	386x882x370	386x882x370	386x882x370	
	Weight kg	22	22	22	22	22	22	22	

※1) Power supply voltage 3 phase 200V AC 50/60Hz  $\pm$ 10%. Voltage Down Transformer (Step-down transformer) is required for other voltage

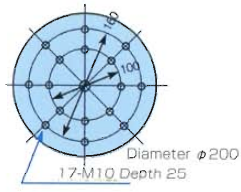
# AIR COOLED "VS" SERIES VIBRATION TEST SYSTEMS

## <Table mounting bolt layout>

(Unit : mm)



VE-600



VE-1030,1031,1032



Photo : Model VS-600-140

## Specification

System Model		VS-400-140	VS-600-100	VS-600-140	VS-1030-140T	VS-0631-200T	VS-1031-200T	VS-1032-180T	
System Performance	Frequency range Hz	5~3 000	5~3 000	5~3 000	5~3 000	5~3 000	5~3 000	5~2 000	
	Flat force	SINE kN	3.92	5.88	5.88	9.8	6.0	9.8	9.8
		RANDOM kN rms	2.74	4.11	4.11	6.86	4.2	6.86	6.86
	Max. Acceleration m/s <sup>2</sup>	712	980	980	1 031	631	1 031	700	
	Max. Velocity m/s	1.4	1.0	1.4	1.4	2.0	2.0	1.8	
	Max. Displacement mmp-p	25	25	25	51	51	51	100	
	Max. Loading weight kg	200	200	200	140	140	140	120	
	System Power consumption	9.5	9.7	10.5	18.2	17.2	20.0	20.0	
Vibrator	Model	VE-600	VE-600	VE-600	VE-1030	VE-1031	VE-1031	VE-1032	
	Mass of armature kg	5.5	5.5	5.5	9.5	9.5	9.5	14	
	Diameter of vibration table mm	200	200	200	200	200	200	200	
	Max. Allowable Overturning Moment N·m	245	245	245	392	392	392	392	
	Dimensions WxHxD mm	790x675x580	790x675x580	790x675x580	920x785x712	920x785x712	920x785x712	920x890x712	
Weight kg	620	620	620	950	950	950	970		
Power Amplifier	Model	SA1-306	SA1-306	SA1-506	SA2-410	SA2-410	SA3-410	SA3-410	
	Max. Output kVA	3	3	4.5	8	8	10	10	
	Dimensions WxHxD mm	580x1 750x850	580x1 750x850	580x1 750x850	580x1 750x850	580x1 750x850	580x1 750x850	580x1 750x850	
	Weight kg	240	240	240	280	280	290	290	
Vibration controller	Selected from Model RC-1120 or the others								
Cooling	Type of cooling	Forced air cooling							
	Dimensions WxHxD mm	492x1 116x713	492x1 116x713	492x1 116x713	606x1 315x928	606x1 315x928	606x1 315x928	606x1 315x928	
	Weight kg	70	70	70	140	190	190	190	

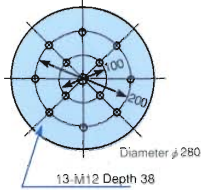
※ 1) Power supply voltage 3 phase 200V AC 50/60Hz ± 10%. Voltage Down Transformer (Step-down transformer) is required for other voltage.

★ TBD\* series Chamber direct coupling options can be used on the vibrators Model VE-1030, VE-1031 and VE-1032.

# AIR COOLED "VS" SERIES VIBRATION TEST SYSTEMS

<Table mounting bolt layout>

(Unit : mm)



VE-1532, VE-2000  
VE-2000A, VE-2000X



Photo : Model VS-1500A-140T

## Specification

System Model		VS-1532-140T	VS-1500A-140T	VS-2000A-140T	VS-1450-185T	VS-1800-185T	VS-2000-185T	VS-2000-200T	
System Performance	Frequency range Hz	5~1 500	5~3 000	5~3 000	5~3 000	5~3 000	5~3 000	5~3 000	
	Rated force	SINE kN	14.7	14.7	19.6	14.2	17.6	19.6	19.6
		RANDOM kN rms	10.2	10.2	13.7	9.95	12.3	13.7	13.7
	Max. Acceleration m/s <sup>2</sup>	588	816	980	788	980	980	980	
	Max. Velocity m/s	1.4	1.4	1.4	1.85	1.85	1.85	2.0	
	Max. Displacement mmp-p	100	51	51	51	51	51	51	
	Max. Loading weight kg	120	300	300	300	300	300	300	
	System Power consumption	31	26	30	28	31	33	35	
Vibrator	Model	VE-1532	VE-2000A	VE-2000A	VE-2000	VE-2000	VE-2000	VE-2000X	
	Mass of armature kg	25	18	18	18	18	18	19	
	Diameter of vibration table mm	280	280	280	280	280	280	280	
	Max. Allowable Overturning Moment N-m	686	686	686	686	686	686	686	
	Dimensions WxHxD mm	880x1 160x790	900x990x790	900x990x790	900x990x790	900x990x790	900x990x790	900x990x790	
Weight kg	1 600	1 600	1 600	1 600	1 600	1 600	1 600		
Power Amplifier	Model	SA5-430	SA3-530	SA4-530	SA4-430	SA5-430	SA6-430	SA7-530	
	Max. Output kVA	19	13.5	18	15.5	19	21	24.5	
	Dimensions WxHxD mm	580x1 750x850	580x1 750x850	580x1 750x850	580x1 750x850	580x1 750x850	580x1 750x850	580x1 750x850	
Weight kg	400	380	390	390	400	410	420		
Cooling	Vibration controller	Selected from Model RC-1 120 or the others							
	Type of cooling	Forced air cooling							
	Dimensions WxHxD mm	707x1 531x946	707x1 531x946	707x1 531x946	707x1 531x946	707x1 531x946	707x1 531x946	707x1 531x946	
Weight kg	220	220	220	220	220	220	220		

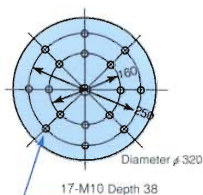
※ 1) Power supply voltage 3 phase 200V AC 50/60Hz  $\pm$  10%. Voltage Down Transformer (Step-down transformer) is required for other voltage.

★ "TBD" series Chamber direct coupling options can be used for the vibrators Model VE-2000, 2000A and 2000X.



# AIR COOLED "VS" SERIES VIBRATION TEST SYSTEMS

<Table mounting bolt layout>



VE-3000, VE-3000X

(Unit : mm)



Photo : Model VS-3000-120T

## Specification

System Model		VS-2200-100T	VS-2200-140T	VS-2700-140T	VS-3000-120T	VS-3000-150T	VS-3000-200T	
System Performance	Frequency range Hz	5~2 500	5~2 500	5~2 500	5~2 500	5~2 500	5~2 500	
	Rated force	SINE kN	21.5	21.5	26.4	29.4	29.4	29.4
		RANDOM kN rms	15.1	15.1	18.5	20.5	20.5	20.5
	Max. Acceleration m/s <sup>2</sup>	860	860	980	980	980	980	
	Max. Velocity m/s	1.0	1.4	1.4	1.2	1.5	2.0	
	Max. Displacement mmp-p	51	51	51	51	51	51	
	Max. Loading weight kg	500	500	500	500	500	500	
	System Power consumption	32	35	39	38	42	49	
Vibrator	Model	VE-3000	VE-3000	VE-3000	VE-3000	VE-3000	VE-3000X	
	Mass of armature kg	25	25	25	25	25	25	
	Diameter of vibration table mm	320	320	320	320	320	320	
	Max. Allowable Overturning Moment N·m	870	870	870	870	870	870	
	Dimensions WxHxD mm	1 000×1 085×895	1 000×1 085×895	1 000×1 085×895	1 000×1 085×895	1 000×1 085×895	1 000×1 085×895	
	Weight kg	2 000	2 000	2 000	2 000	2 000	2 000	
Power Amplifier	Model	SA4-330	SA4-530	SA5-530	SA6-430	SA6-530	SA8-530	
	Max. Output kVA	13	18	23	21	26	35	
	Dimensions WxHxD mm	580×1 750×850	580×1 750×850	580×1 750×850	580×1 750×850	580×1 750×850	580×1 750×850	
	Weight kg	390	390	400	410	410	430	
Vibration controller	Selected from Model RC-1120 or the others							
Cooling tower	Type of cooling	Forced air cooling						
	Dimensions WxHxD mm	707×1 531×1 022	707×1 531×1 022	707×1 531×1 022	707×1 531×1 022	707×1 531×1 022	707×1 531×1 022	
	Weight kg	240	240	240	240	240	240	

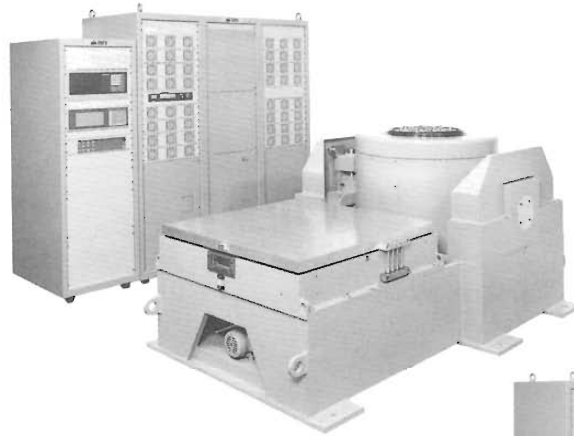
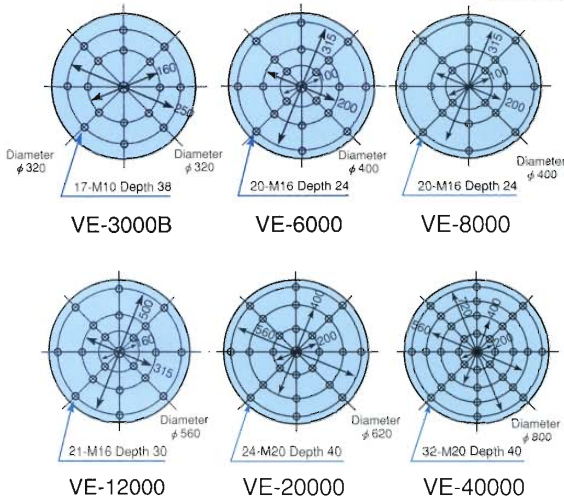
※ 1) Power supply voltage 3 phase 200V AC 50/60Hz  $\pm$ 10%. Voltage Down Transformer (Step-down transformer) is required for other voltage.

★ 'TBD' series Chamber direct coupling options can be used for the vibrators Model VE-3000 and 3000X.

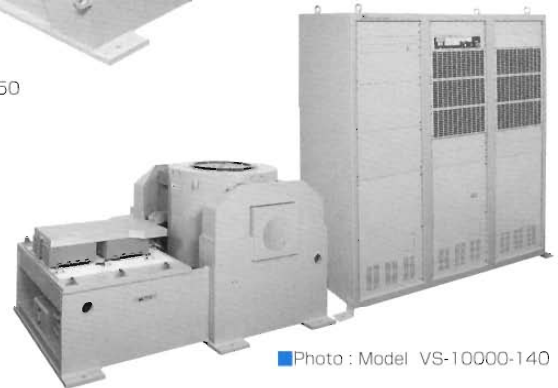
# WATER COOLED "VS" SERIES VIBRATION TEST SYSTEM

## <Table mounting bolt layout>

(Unit : mm)



■ Photo : Model VS-6300-150



■ Photo : Model VS-10000-140

## Specification

System Model		VS-3150B-180	VS-5000-120	VS-5000-150	VS-6300-150	VS-8000-170	VS-10000-140	VS-12500-140	VS-20000-140	VS-40000-180	
System Performance	Frequency range Hz	5~3 000	5~2 500	5~2 500	5~2 500	5~2 500	5~2 500	5~2 500	5~2 000	5~2 000	
	Rated force	SINE kN	30.8	49.0	49.0	61.7	78.4	98.0	122.0	196	392
		RANDOM kN rms	21.5	34.3	34.3	43.2	54.9	68.6	85.8	137	274
	Max. Acceleration $m/s^2$	1 140	980	980	1 176	1 176	980	1 176	980	980	
	Max. Velocity m/s	1.8	1.2	1.5	1.5	1.7	1.4	1.4	1.4	1.8	
	Max. Displacement mmp-p	51	40(51※2)	40(51※2)	40(51※2)	40(51※2)	51	51	51	51	
	Max. Loading weight kg	500	1 000	1 000	1 000	1 000	2 000	2 000	2 000	6 000	
	System Power consumption	49	67	76	87	110	140	162	240	520	
Vibrator	Model	VE-3000B	VE-6000	VE-6000	VE-6000	VE-8000	VE-12000	VE-12000	VE-20000	VE-40000	
	Mass of armature kg	27	40	40	40	50	70	70	150	390	
	Diameter of vibration table mm	320	400	400	400	400	540	560	620	800	
	Max. Allowable Overturning Moment N·m	980	980	980	980	980	2 450	2 450	4 900	9 800	
	Dimensions WxHxD mm	1 100x1 090x824	1 380x1 085x1 000	1 380x1 085x1 000	1 380x1 085x1 000	1 670x1 100x1 000	1 800x1 350x1 200	1 800x1 350x1 200	2 205x1 350x1 680	3 200x2 000x2 300	
	Weight kg	3 000	3 700	3 700	3 700	5 000	7 000	7 000	11 000	22 000	
Power Amplifier	Model	SA8-530B	SA13-350	SA13-450	SA16-460	SA18-580	SA22-4120	SA28-4120	SA36-5200	SA80-5400	
	Max. Output kVA	35	35	43	54	77	85	106	144	270	
	Dimensions WxHxD mm	1 100x1 900x800	1 100x1 900x800	1 100x1 900x800	1 650x1 900x800	1 650x1 900x800	1 650x1 900x800	2 200x2 100x800	1 650x1 900x800	2 750x1 900x800	
	Weight kg	950	1 100	1 100	1 450	1 500	2 100	2 200	2 300	2 700	
Vibration controller	Vibration controller	Selected from Model RC-1 120 or the others									
	Type of cooling	Vibrator Water cooled / Power amplifier : Forced air-cooled									
Cooling	Primary cooling water supply liters / min.	195	260	260	260	390	390	520	520	1 020	
	Dimensions WxHxD mm	750x1 900x750	750x1 900x750	750x1 900x750	750x1 900x750	750x1 900x750	750x1 900x750	750x1 900x750	750x1 900x750	1 000x1 900x1 000	
	Weight kg	400	400	400	400	400	400	400	400	800	

※ 1) Power supply voltage 3 phase 200V AC 50/60Hz  $\pm$  10%.. Voltage Down Transformer (Step-down transformer) is required for other voltage.

※ 2) In case of SHOCK or RANDOM test

※ 3) Export license (E/L) by the Japanese Government is essential before our export of the vibration system from Japan when the rated SINE excitation force of the vibration test system exceeds 50kN.

★ Please contact the sales representative or IMV when you need information of required cooling tower and pump.