VISAM
Ex

Dal 1994 abbiamo sempre cercato di migliorare la nostra competenza in termini di prodotto, servizio e soluzioni tecniche, per assicurarci una clientela fidelizzata e soddisfatta. Continueremo su questa strada …

Since 1994 we have been growing our product, service and technical competence, in order to gain customers' fidelity and satisfaction. This will continue...

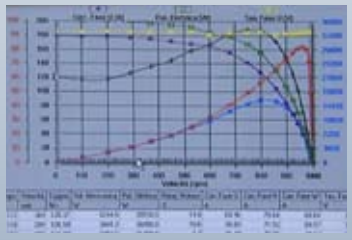
L'AZIENDA
THE COMPANY

Dal 1994 VISAM si dedica alla progettazione, fabbricazione e commercializzazione di vibratori elettrici per applicazioni industriali. Fin dall'inizio il nostro obiettivo è stato proporre al mercato un prodotto adatto alle applicazioni più impegnative, che richiedono prestazioni elevate ed affidabilità. Per questo l'attenzione si è concentrata sulla qualità dei materiali e componenti utilizzati, su accuratezza e precisione dei processi di lavorazione e di finitura, nonché sui molteplici controlli, dalle materie prime fino al collaudo del prodotto finito. Grazie a tutto ciò VISAM è oggi riconosciuta tra i costruttori leader nel mercato dei vibratori elettrici, potendo vantare una presenza su tutti i maggiori mercati mondiali, grazie all'esportazione di oltre l'80% della sua produzione.

Since 1994, VISAM is dedicated to the design, manufacture and marketing of electric vibrators for industrial applications. Since the beginning our goal has been offering to the market a product suitable for the most demanding applications, that require high performance and reliability. Therefore, our attention focused on the quality of materials and components, on the accuracy and precision of processing and finishing, and on multiple controls, from raw materials to final testing of the product. Thanks to this, VISAM is today recognized among leader manufacturers of electric vibrators, with broad presence on all major world markets, thanks to exports exceeding 80% of its production.

UFFICIO TECNICO E LABORATORIO R&S

TECHNICAL DEPT AND R&D LABORATORY



LAVORAZIONI CON CENTRI DI LAVORO A CN E COLLAUDO TRIDIMENSIONALE

CNC MACHINING AND 3-DIMENSIONAL CONTROL

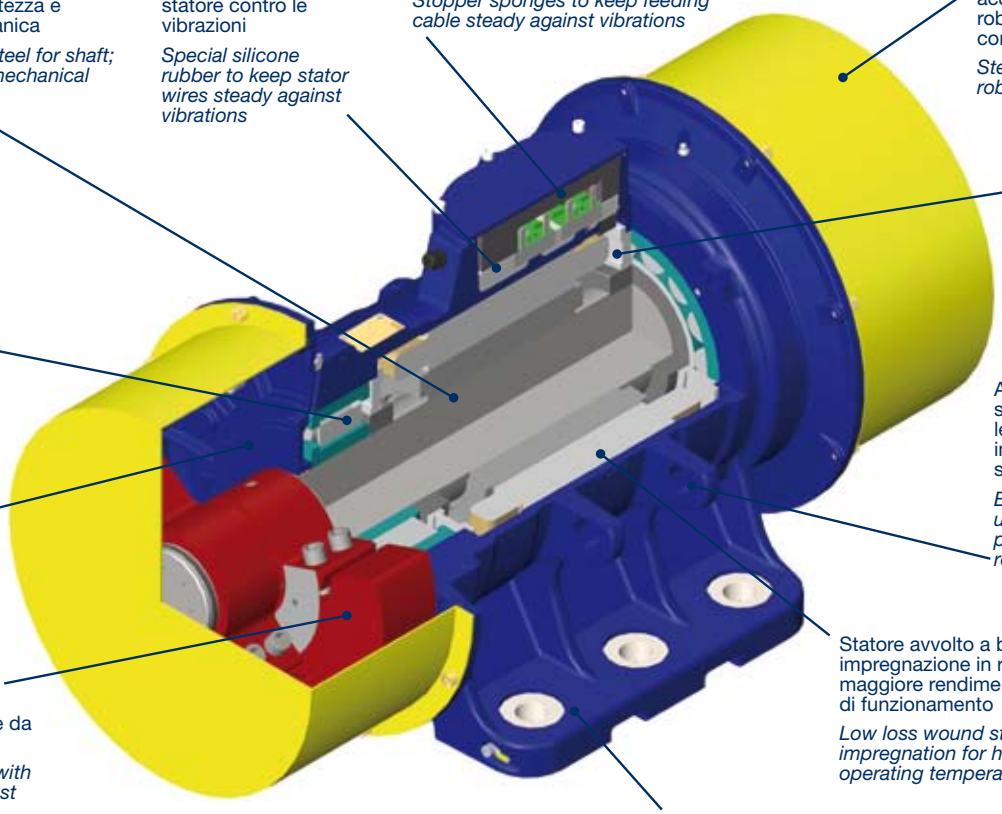
ASSEMBLAGGIO CON PERSONALE SPECIALIZZATO E COLLAUDO DINAMICO FINALE

ASSEMBLY BY SKILLED PERSONNEL AND FINAL DYNAMIC TEST

PRODUZIONE, MAGAZZINO E SPEDIZIONI CON GESTIONE A CODICE A BARRE

PRODUCTION, STOCKING AND SHIPPING HANDLED BY BAR-CODE SYSTEM

IL PRODOTTO
THE PRODUCT



CARATTERISTICHE GENERALI

Conformità:	Direttive Europee 2006/42/CE (Macchine) 2006/95/CE (Bassa Tensione) 94/9/CE (Atex)
Atex:	Gamma conforme a, ⊠II 3D (zona 22) • Ex tD A22 IP66 T135°C Possibilità, su richiesta, ⊠II 2D (zona 21) • Ex tD A21 IP66 T135°C
Alimentazione:	Trifase da 42 a 700 V a 50 e 60 Hz Monofase da 110 a 240 V a 50 e 60 Hz Idonei per un funzionamento mediante "inverter"
Esecuzioni:	2, 4, 6, 8, 10, 12 poli e speciali
Forza Centrifuga:	Da 50 a 25.000 Kg Regolazione da 100% a 0% in modo continuo (fornitura standard: regolazione all' 80%)
Servizio:	Continuativo alla massima Forza Centrifuga (S1)
Protezione Meccanica:	IP 66.7 (EN60529)
Classe Isolamento:	F standard • H a richiesta
Tropicalizzazione:	Standard
Lubrificazione:	A Vita fino alla grandezza 4 Long Life dalla grandezza 4.1 a crescere
Temperatura Ambiente di Lavoro:	Da –20° a +40° C
Protezione Termica:	Standard (termistore 130° C) dalla grandezza 10 A richiesta sino alla grandezza 9
Posizione di Installazione:	Tutte le posizioni
Finitura:	Verniciatura a polvere blu RAL 5010 / giallo RAL 1003
Collaudo:	Tutte le unità sono sottoposte ad un test dinamico di funzionamento (complete di masse)

GENERAL FEATURES

Conformity:	*European Directives* *2006/42/CE (Machine)* *2006/95/CE (Low Woltage)* *94/9/CE (Atex)*
Atex:	*Range suitable for, ⊠II 3D (zone 22)* *• Ex tD A22 IP66 T135°C* *Availability, on request, ⊠II 2D (zone 21)* *• Ex tD A21 IP66 T135°C*
Feeding:	*Three-phase from 42 up to 700 V at 50 and 60 Hz* *Single-phase from 110 up to 240 V at 50 and 60 Hz* *Perfect performance under inverter control (VFD)*
Executions:	*2, 4, 6, 8, 10, 12 poles & specials*
Centrifugal Force:	*From 50 up to 25.000 Kg* *Continuous adjusting from 100% a 0%* *(standard supply: setting at 80%)*
Duty:	*Heavy and continuous at maximum Centrifugal Force (S1)*
Mechanical Protection:	*IP 66.7 (EN60529)*
Insulation Class:	*F standard • H on request*
Tropicalization:	*Standard*
Lubrication:	*For Life up to size 4* *Long Life from size 4.1 upwards*
Ambient Temperature Range:	*From –20° up to +40° C*
Thermal Protection:	*Standard (thermistor 130° C) from size 10* *Up to size 9 on request*
Mounting Configuration:	*Any position*
Finish:	*Powder coated blue RAL 5010 / yellow RAL 1003*
Testing:	*All units undergo a dynamic test-run (with unbalanced weights) before leaving the factory*

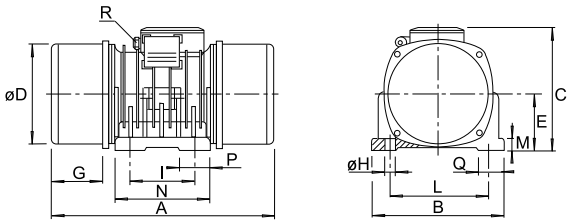
SPV / SPX serie *series* 2 poli *poles* 50Hz 3000rpm

MONOFASE • *SINGLE-PHASE*

Alimentazione Standard • *Standard Supply*

220-240 V (...AM)*
110-120 V (...AN)*
Altre a richiesta • Other on request

Fig. 1 • *Fig. 1*



DATI GENERALI *GENERAL DATA*			DATI MECCANICI *MECHANICAL DATA*			DATI ELETTRICI *ELECTRICAL DATA*				DATI DIMENSIONALI *OVERALL DIMENSIONS*							DATI FISSAGGIO *FIXING DATA*								
Modello ***Model***	Codice *Code*	Gr. *Sz.*	SMv **Mom. Statico** ***Static Mom.***	CFv **Forza Centr.** ***Centrif. Force***	Wv Peso *Weight*	Pot. Assorbita *Input Power*	Corrente Nom. *Nom. Current*		Rapporto *Ratio*	Fig./*Fig.*	A	B	C	D	E	G	Nr.	H	I	L	M	N	P	Q	R pressacavo *clable gland*
			(kg*mm)	**(kg)**	(kg)	(kW)	Δ (A)	Y (A)	Is/In		(mm)														
SPV 0.7 AM	SPV010M00B01AM	01.0	**7,5**	**75**	4,2	0,11	-	0,5	2,0	1	195	128	121	79	45	44	4	9	62	95-106	9	100	40	32	M14x1,5
SPV 1.2 AM	SPV020M01B02AM	02.0	**13**	**130**	4,8	0,17	-	0,8	2,0	1	215	152	143	106	62	50	4	9	62-74	106	12	100	35	40	M16x1,5
SPV 1.8 AM	SPV021M01B02AM	02.1	**22**	**220**	5,2	0,18	-	0,8	2,0	1	215	152	143	106	62	50	4	9	62-74	106	12	100	35	40	M16x1,5
SPV 2.7 AM	SPV030M03B03AM	03.0	**33**	**330**	9,0	0,30	-	1,4	3,0	1	262	160	175	126	72	56	4	13	90	125	15	145	55	50	M16x1,5
SPV 4.5 AM	SPV040M01B04AM	04.0	**50**	**500**	15,5	0,50	-	2,5	3,0	1	292	194	204	148	86	44	4	13	100	155	18	180	50	45	M20x1,5
SPV 7.0 AM	SPV050M01B05AM	05.0	**80**	**800**	20,5	0,65	-	3,5	4,0	1	336	220	213	168	96	54	4	17	115	170	20	200	65	50	M20x1,5
SPV 9.0 AM	SPV060M05B06AM	06.0	**100**	**1.000**	27,0	0,85	-	4,0	4,0	1	366	225	233	187	105	62	4	17	120	180	20	210	70	50	M20x1,5
SPV 12.0 AM	SPV061M04B06AM	06.1	**130**	**1.350**	28,0	0,95	-	4,6	4,0	1	366	225	233	187	105	62	4	17	120	180	20	210	70	50	M20x1,5

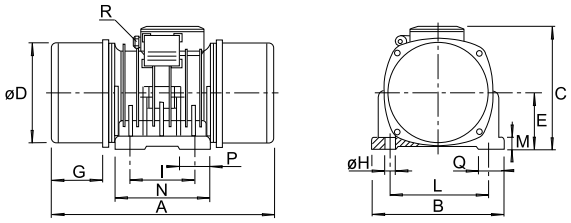
SPV / SPX serie *series* 2 poli *poles* 60Hz 3600rpm

MONOFASE • SINGLE-PHASE

Alimentazione Standard • *Standard Supply*

110-120 V (...BN)*
220-240 V (...BM)*
Altre a richiesta • Other on request

Fig. 1 • *Fig. 1*



DATI GENERALI *GENERAL DATA*			DATI MECCANICI *MECHANICAL DATA*			DATI ELETTRICI *ELECTRICAL DATA*				DATI DIMENSIONALI *OVERALL DIMENSIONS*							DATI FISSAGGIO *FIXING DATA*								
Modello ***Model***	Codice *Code*	Gr. *Sz.*	SMv **Mom. Statico** ***Static Mom.***	CFv **Forza Centr.** ***Centrif. Force***	Wv Peso *Weight*	Pot. Assorbita *Input Power*	Corrente Nom. *Nom. Current*		Rapporto *Ratio*	Fig./*Fig.*	A	B	C	D	E	G	Nr.	H	I	L	M	N	P	Q	R pressacavo *clable gland*
			(kg*mm)	**(kg)**	(kg)	(kW)	Δ (A)	Y (A)	Is/In		(mm)														
SPV 0.7 AM	SPV010M00B01BN	01.0	**5,5**	**80**	4,0	0,12	-	1,0	2,5	1	195	128	121	79	45	44	4	9	62	95-106	9	100	40	32	M14x1,5
SPV 1.2 AM	SPV020M01B02BN	02.0	**10**	**145**	4,6	0,18	-	1,6	2,5	1	215	152	143	106	62	50	4	9	62-74	106	12	100	35	40	M16x1,5
SPV 1.8 AM	SPV021M01B02BN	02.1	**16**	**230**	5,0	0,19	-	1,7	2,5	1	215	152	143	106	62	50	4	9	62-74	106	12	100	35	40	M16x1,5
SPV 2.7 AM	SPV030M03B03BN	03.0	**22**	**320**	8,5	0,33	-	3,0	3,5	1	262	160	175	126	72	56	4	13	90	125	15	145	55	50	M16x1,5
SPV 4.5 AM	SPV040M01B04BN	04.0	**40**	**580**	15,0	0,70	-	7,0	3,5	1	292	194	204	148	86	44	4	13	100	155	18	180	50	45	M20x1,5
SPV 7.0 AM	SPV050M01B05BN	05.0	**60**	**870**	20,0	0,80	-	7,7	4,0	1	336	220	213	168	96	54	4	17	115	170	20	200	65	50	M20x1,5
SPV 9.0 AM	SPV060M05B06BN	06.0	**65**	**965**	25,0	0,95	-	8,5	4,0	1	366	225	233	187	105	62	4	17	120	180	20	210	70	50	M20x1,5
SPV 12.0 AM	SPV061M04B06BN	06.1	**80**	**1.200**	27,5	1,10	-	9,8	4,0	1	366	225	233	187	105	62	4	17	120	180	20	210	70	50	M20x1,5

* vedi codice in tabella • *see code on table*

TRIFASE • *THREE-PHASE*

Alimentazione Standard • *Standard Supply*

Δ 220-240 / Y 380-415 V (...AA)*
Δ 290-305 / Y 500-525 V (...AG)*
Altre a richiesta • *Other on request*

Fig. 1 • *Fig. 1*

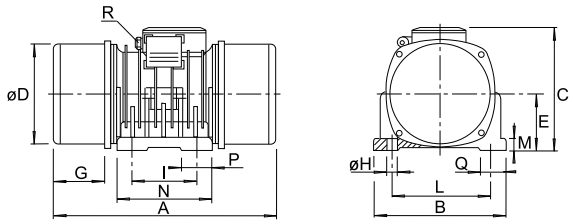
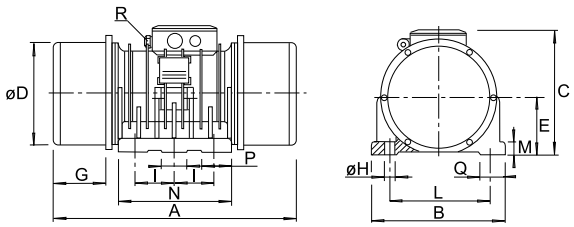


Fig. 2 • *Fig. 2*



DATI GENERALI *GENERAL DATA*			DATI MECCANICI *MECHANICAL DATA*			DATI ELETTRICI *ELECTRICAL DATA*				DATI DIMENSIONALI *OVERALL DIMENSIONS*							DATI FISSAGGIO *FIXING DATA*								
Modello ***Model***	Codice *Code*	Gr. *Sz.*	**SMv** ***Static Mom.***	**CFv** ***Centrif. Force***	Wv Peso *Weight*	Pot. Assorbita *Input Power*	Corrente Nom. *Nom. Current*		Rapporto *Ratio*	Fig./*Fig.*	A	B	C	D	E	G	Nr.	H	I	L	M	N	P	Q	R pressacavo *clable gland* **
			(kg*mm)	**(kg)**	(kg)	(kW)	Δ (A)	Y (A)	Is/In		(mm)						(mm)								
SPV 0.7 A	SPV010A00B01AA	01.0	**7,5**	**75**	4,2	0,14	0,5	0,3	3,0	1	195	128	121	79	45	44	4	9	62	95-106	9	100	40	32	M14x1,5
SPV 1.2 A	SPV020A00B02AA	02.0	**13**	**130**	4,8	0,18	0,6	0,4	4,5	1	215	152	143	106	62	50	4	9	62-74	106	12	100	35	40	M16x1,5
SPV 1.8 A	SPV021A00B02AA	02.1	**22**	**220**	5,2	0,19	0,7	0,4	4,5	1	215	152	143	106	62	50	4	9	62-74	106	12	100	35	40	M16x1,5
SPV 2.7 A	SPV030A01B03AA	03.0	**33**	**330**	9,0	0,28	1,0	0,6	3,5	1	262	160	175	126	72	56	4	13	90	125	15	145	55	50	M16x1,5
SPV 4.5 A	SPV040A00B04AA	04.0	**50**	**500**	15,5	0,51	1,7	1,0	4,0	1	292	194	204	148	86	44	4	13	100	155	18	180	50	45	M20x1,5
SPV 7.0 A	SPV050A00B05AA	05.0	**80**	**800**	20,5	0,75	2,3	1,3	5,0	1	336	220	213	168	96	54	4	17	115	170	20	200	65	50	M20x1,5
SPV 9.0 A	SPV060A02B06AA	06.0	**100**	**1.000**	27,0	1,10	3,2	1,8	5,0	1	366	225	233	187	105	62	4	17	120	180	20	210	70	50	M20x1,5
SPV 12.0 A	SPV061A03B06AA	06.1	**130**	**1.350**	28,0	1,30	3,7	2,1	5,0	1	366	225	233	187	105	62	4	17	120	180	20	210	70	50	M20x1,5
SPV 15.0 A	SPV070A02B07AA	07.0	**165**	**1.660**	33,5	1,50	4,5	2,6	6,0	1	403	250	246	200	112	75	4	17	150	190	22	220	60	60	M20x1,5
SPX-50 19.0 A	SPX080A00B08AA	08.0	**200**	**2.000**	46,0	1,90	5,0	2,8	6,0	1	410	280	258	212	117	74	4	17	160	200	30	260	95	80	M20x1,5
SPX-50 25.0 A	SPX090A00B09AA	09.0	**270**	**2.700**	61,0	2,20	6,2	3,6	6,0	1	512	300	280	237	131	105	4	22	165	230	35	300	115	80	M20x1,5
SPV 32.0 A	SPV100A01B10AA	10.0	**415**	**4.200**	104,5	3,50	10,0	5,8	5,5	1	568	326	336	270	150	104	4	25	165	270	40	300	100	70	M25x1,5 + M16X1,5(TH)**
SPV 50.0 A	SPV110A01B11AA	11.0	**560**	**5.630**	143,0	5,00	14,0	8,0	6,0	1	609	355	362	308	166	110	4	29	210	295	40	330	100	70	M25x1,5 + M16X1,5(TH)**
SPV 60.0 A	SPV120A00B12AA	12.0	**660**	**6.640**	182,5	7,00	20,0	11,5	6,0	2	656	390	392	345	193	121	6	29	110	310	41	350	110	90	M25x1,5 + M16X1,5(TH)**
SPV 70.0 A	SPV130A01B13AA	13.0	**750**	**7.600**	210,0	8,00	22,5	13,0	6,0	2	686	390	414	345	192	121	6	29	115	320	45	370	115	75	M25x1,5 + M16X1,5(TH)**
SPV 85.0 A	SPV132A01B13AA	13.2	**950**	**9.550**	216,0	9,00	25,0	14,5	6,0	2	672	390	414	345	192	121	6	29	115	320	45	370	115	75	M25x1,5 + M16X1,5(TH)**

* vedi codice in tabella • *see code on table*
** TH = pressa cavo per collegamento termistore • *TH = cable gland for thermistor connection*

TRIFASE • *THREE-PHASE*

Alimentazione Standard • *Standard Supply*

Δ 220-275 / Y 380-480 V (...BB)*
Δ 265-290 / Y 460-500 V (...BL)*
Altre a richiesta • *Other on request*

Fig. 1 • *Fig. 1*

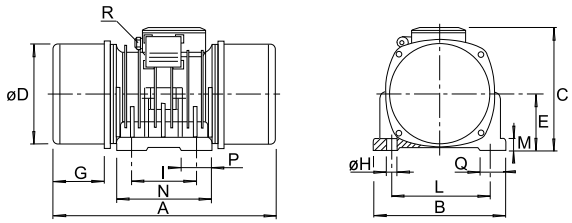
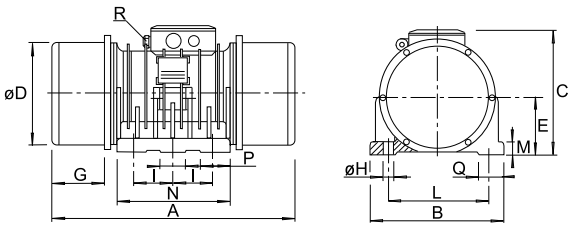


Fig. 2 • *Fig. 2*



DATI GENERALI *GENERAL DATA*			DATI MECCANICI *MECHANICAL DATA*			DATI ELETTRICI *ELECTRICAL DATA*				DATI DIMENSIONALI *OVERALL DIMENSIONS*							DATI FISSAGGIO *FIXING DATA*								
Modello ***Model***	Codice *Code*	Gr. *Sz.*	**SMv** ***Static Mom.***	**CFv** ***Centrif. Force***	Wv Peso *Weight*	Pot. Assorbita *Input Power*	Corrente Nom. *Nom. Current*		Rapporto *Ratio*	Fig./*Fig.*	A	B	C	D	E	G	Nr.	H	I	L	M	N	P	Q	R pressacavo *clable gland* **
			(kg*mm)	**(kg)**	(kg)	(kW)	Δ (A)	Y (A)	Is/In		(mm)						(mm)								
SPV 0.7 A	SPV010A00B01BB	01.0	**5,5**	**80**	4,0	0,15	0,5	0,3	3,5	1	195	128	121	79	45	44	4	9	62	95-106	9	100	40	32	M14x1,5
SPV 1.2 A	SPV020A00B02BB	02.0	**10**	**145**	4,6	0,20	0,6	0,3	4,5	1	215	152	143	106	62	50	4	9	62-74	106	12	100	35	40	M16x1,5
SPV 1.8 A	SPV021A00B02BB	02.1	**16**	**230**	5,0	0,22	0,7	0,4	4,5	1	215	152	143	106	62	50	4	9	62-74	106	12	100	35	40	M16x1,5
SPV 2.7 A	SPV030A01B03BB	03.0	**22**	**320**	8,5	0,30	1,0	0,6	3,5	1	262	160	175	126	72	56	4	13	90	125	15	145	55	50	M16x1,5
SPV 4.5 A	SPV040A00B04BB	04.0	**40**	**580**	15,0	0,60	1,7	1,0	4,0	1	292	194	204	148	86	44	4	13	100	155	18	180	50	45	M20x1,5
SPV 7.0 A	SPV050A00B05BB	05.0	**60**	**870**	20,0	0,80	2,1	1,2	5,0	1	336	220	213	168	96	54	4	17	115	170	20	200	65	50	M20x1,5
SPV 9.0 A	SPV060A02B06BB	06.0	**65**	**965**	25,0	1,20	3,2	1,8	5,0	1	366	225	233	187	105	62	4	17	120	180	20	210	70	50	M20x1,5
SPV 12.0 A	SPV061A03B06BB	06.1	**80**	**1.200**	27,5	1,40	3,5	2,0	5,0	1	366	225	233	187	105	62	4	17	120	180	20	210	70	50	M20x1,5
SPV 15.0 A	SPV070A02B07BB	07.0	**120**	**1.750**	32,0	1,60	4,5	2,6	6,0	1	403	250	246	200	112	75	4	17	150	190	22	220	60	60	M20x1,5
SPX-60 19.0 A	SPX080A00B08BB	08.0	**150**	**2.200**	44,0	2,00	5,0	3,0	6,0	1	410	280	258	212	117	74	4	17	160	200	30	260	95	80	M20x1,5
SPX-60 25.0 A	SPX090A00B09BB	09.0	**200**	**2.900**	57,5	2,40	6,0	3,4	6,0	1	512	300	280	237	131	105	4	22	165	230	35	300	115	80	M20x1,5
SPV 32.0 A	SPV100A01B10BB	10.0	**345**	**5.000**	102,5	4,00	10,0	5,8	5,5	1	568	326	336	270	150	104	4	25	165	270	40	300	100	70	M25x1,5 + M16X1,5(TH)
SPV 50.0 A	SPV110A01B11BB	11.0	**395**	**5.700**	139,5	5,50	14,0	8,0	6,0	1	609	355	362	308	166	110	4	29	210	295	40	330	100	70	M25x1,5 + M16X1,5(TH)
SPV 60.0 A	SPV120A00B12BB	12.0	**435**	**6.300**	178,0	7,30	19,0	11,0	6,0	2	656	390	392	345	193	121	6	29	110	310	41	350	110	90	M25x1,5 + M16X1,5(TH)
SPV 70.0 A	SPV130A01B13BB	13.0	**550**	**7.960**	206,0	8,50	21,5	12,5	6,0	2	686	390	414	345	192	121	6	29	115	320	45	370	115	75	M25x1,5 + M16X1,5(TH)
SPV 85.0 A	SPV132A01B13BB	13.2	**650**	**9.400**	210,0	9,50	24,0	14,0	6,0	2	672	390	414	345	192	121	6	29	115	320	45	370	115	75	M25x1,5 + M16X1,5(TH)

* vedi codice in tabella • *see code on table*
** TH = pressa cavo per collegamento termistore • *TH = cable gland for thermistor connection*

TRIFASE • *THREE-PHASE*

Alimentazione Standard • *Standard Supply*

Δ 220-240 / Y 380-415 V (...AA)*
Δ 290-305 / Y 500-525 V (...AG)*
Altre a richiesta • *Other on request*

Fig. 1 • *Fig. 1*

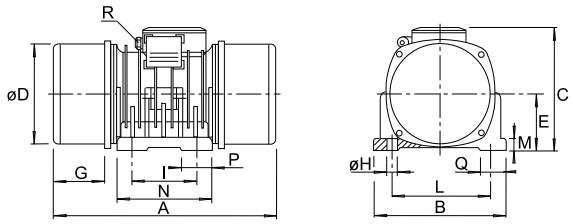
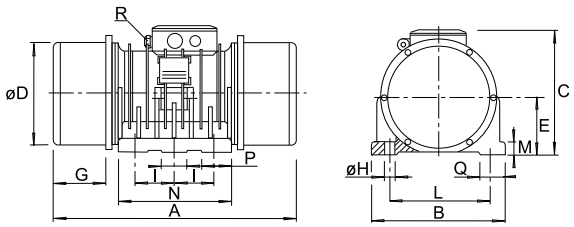


Fig. 2 • *Fig. 2*



DATI GENERALI *GENERAL DATA*			DATI MECCANICI *MECHANICAL DATA*			DATI ELETTRICI *ELECTRICAL DATA*				DATI DIMENSIONALI *OVERALL DIMENSIONS*							DATI FISSAGGIO *FIXING DATA*								
Modello ***Model***	Codice *Code*	Gr. *Sz.*	**SMv** **Mom. Statico** ***Static Mom.***	**CFv** **Forza Centr.** ***Centrif. Force***	Wv Peso *Weight*	Pot. Assorbita *Input Power*	Corrente Nom. *Nom. Current*		Rapporto *Ratio*	Fig./*Fig.*	A	B	C	D	E	G	Nr.	H	I	L	M	N	P	Q	R pressacavo *clable gland* **
			(kg*mm)	(kg)	(kg)	(kW)	Δ (A)	Y (A)	Is/In		(mm)						(mm)								
SPV 0.5 B	SPV020B00B02AA	02.0	**22**	**55**	5,5	0,09	0,5	0,3	4,5	1	215	152	143	106	62	50	4	9	62-74	106	12	100	35	40	M16x1,5
SPV 0.8 B	SPV021B00B02AA	02.1	**35**	**90**	5,8	0,10	0,5	0,3	4,5	1	235	152	143	106	62	60	4	9	62-74	106	12	100	35	40	M16x1,5
SPV 2.2 B	SPV030B01B03AA	03.0	**105**	**265**	12,5	0,20	0,8	0,5	3,0	1	332	160	175	126	72	91	4	13	90	125	15	145	55	50	M16x1,5
SPV 3.8 B	SPV040B02B04AA	04.0	**180**	**450**	20,5	0,40	1,3	0,7	3,0	1	370	194	204	148	86	83	4	13	100	155	18	180	50	45	M20x1,5
SPV 5.1 B	SPV041B02B04AA	04.1	**240**	**600**	23,5	0,45	1,5	0,9	3,0	1	406	194	204	148	86	101	4	13	100	155	18	180	50	45	M20x1,5
SPV 6.7 B	SPV050B02B05AA	05.0	**300**	**750**	27,0	0,55	1,7	1,0	4,0	1	390	220	213	168	96	81	4	17	115	170	20	200	65	50	M20x1,5
SPV 10.0 B	SPV060B03B06AA	06.0	**455**	**1.140**	36,0	0,95	3,0	1,8	5,0	1	428	225	233	187	105	93	4	17	120	180	20	210	70	50	M20x1,5
SPV 15.0 B	SPV070B03B07AA	07.0	**680**	**1.700**	46,0	1,10	3,5	2,0	4,0	1	461	250	246	200	112	104	4	17	150	190	22	220	60	60	M20x1,5
SPX-50 20.0 B	SPX080B00B08AA	08.0	**825**	**2.100**	56,0	1,30	4,0	2,3	3,5	1	486	280	258	212	117	112	4	17	160	200	30	260	95	80	M20x1,5
SPX-50 25.5 B	SPX090B00B09AA	09.0	**1.100**	**2.770**	70,0	1,75	5,0	3,0	5,0	1	512	300	280	237	131	105	4	22	165	230	35	300	115	80	M20x1,5
SPX-50 30.0 B	SPX091B00B09AA	09.1	**1.250**	**3.150**	80,0	2,00	6,0	3,8	5,0	1	584	300	280	237	131	141	4	22	165	230	35	300	115	80	M20x1,5
SPV 35.0 B	SPV100B01B10AA	10.0	**1.580**	**4.000**	122,0	2,40	8,7	5,0	5,5	1	568	326	336	270	150	104	4	25	165	270	40	300	100	70	M25x1,5 + M16X1,5(TH)
SPV 47.5 B	SPV110B01B11AA	11.0	**2.100**	**5.300**	165,5	3,50	10,5	6,0	4,0	1	609	355	362	308	166	110	4	29	210	295	40	330	100	70	M25x1,5 + M16X1,5(TH)
SPV 55.0 B	SPV120B00B12AA	12.0	**2.300**	**5.800**	201,5	4,50	13,0	7,5	4,0	2	656	390	392	345	193	121	6	29	110	310	41	350	110	90	M25x1,5 + M16X1,5(TH)
SPV 63.0 B	SPV130B01B13AA	13.0	**2.800**	**7.050**	233,0	6,00	19,0	11,0	5,0	2	686	390	414	345	192	121	6	29	115	320	45	370	115	75	M25x1,5 + M16X1,5(TH)
SPV 77.0 B	SPV132B03B13AA	13.2	**3.380**	**8.500**	248,0	7,10	20,5	12,0	4,5	2	672	390	414	345	192	121	6	29	115	320	45	370	115	75	M25x1,5 + M16X1,5(TH)
SPV 83.0 B	SPV140B01B14AA	14.0	**3.800**	**9.500**	314,0	7,80	21,5	12,5	4,5	2	731	456	456	410	225	118	6	32	130	380	50	400	130	100	M25x1,5 + M16X1,5(TH)
SPV 105.0 B	SPV141B02B14AA	14.1	**4.850**	**12.200**	345,0	10,50	30,5	17,5	5,0	2	737	456	456	410	225	118	6	32	130	380	50	400	130	100	M25x1,5 + M16X1,5(TH)

* vedi codice in tabella • *see code on table*
** TH = pressa cavo per collegamento termistore • *TH = cable gland for thermistor connection*

TRIFASE • *THREE-PHASE*

Alimentazione Standard • *Standard Supply*

Δ 220-275 / Y 380-480 V (...BB)*
Δ 265-290 / Y 460-500 V (...BL)*
Altre a richiesta • *Other on request*

Fig. 1 • *Fig. 1*

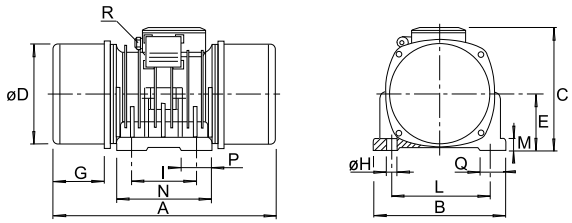
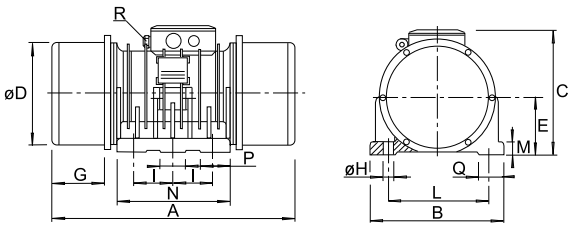


Fig. 2 • *Fig. 2*



DATI GENERALI *GENERAL DATA*			DATI MECCANICI *MECHANICAL DATA*			DATI ELETTRICI *ELECTRICAL DATA*				DATI DIMENSIONALI *OVERALL DIMENSIONS*							DATI FISSAGGIO *FIXING DATA*								
Modello ***Model***	Codice *Code*	Gr. *Sz.*	**SMv** ***Static Mom.***	**CFv** ***Centrif. Force***	Wv Peso *Weight*	Pot. Assorbita *Input Power*	Corrente Nom. *Nom. Current*		Rapporto *Ratio*	Fig./*Fig.*	A	B	C	D	E	G	Nr.	H	I	L	M	N	P	Q	R pressacavo *clable gland* **
			(kg*mm)	(kg)	(kg)	(kW)	Δ (A)	Y (A)	Is/In		(mm)						(mm)								
SPV 0.5 B	SPV020B00B02BB	02.0	**19**	**67**	5,2	0,10	0,4	0,2	4,5	1	215	152	143	106	62	50	4	9	62-74	106	12	100	35	40	M16x1,5
SPV 0.8 B	SPV021B00B02BB	02.1	**25**	**90**	5,5	0,15	0,5	0,3	4,5	1	235	152	143	106	62	60	4	9	62-74	106	12	100	35	40	M16x1,5
SPV 2.2 B	SPV030B01B03BB	03.0	**72**	**260**	10,8	0,22	0,7	0,4	3,0	1	332	160	175	126	72	91	4	13	90	125	15	145	55	50	M16x1,5
SPV 3.8 B	SPV040B02B04BB	04.0	**120**	**450**	19,0	0,45	1,3	0,7	3,0	1	370	194	204	148	86	83	4	13	100	155	18	180	50	45	M20x1,5
SPV 5.1 B	SPV041B01B04BB	04.1	**180**	**650**	21,0	0,50	1,4	0,8	3,0	1	406	194	204	148	86	101	4	13	100	155	18	180	50	45	M20x1,5
SPV 6.7 B	SPV050B02B05BB	05.0	**200**	**720**	24,5	0,65	1,7	1,0	4,0	1	390	220	213	168	96	81	4	17	115	170	20	200	65	50	M20x1,5
SPV 10.0 B	SPV060B04B06BB	06.0	**310**	**1.120**	32,5	1,00	3,0	1,7	5,5	1	428	225	233	187	105	93	4	17	120	180	20	210	70	50	M20x1,5
SPV 15.0 B	SPV070B03B07BB	07.0	**500**	**1.800**	41,5	1,20	3,3	1,9	4,0	1	461	250	246	200	112	104	4	17	150	190	22	220	60	60	M20x1,5
SPX-60 20.0 B	SPX080B00B08BB	08.0	**550**	**2.000**	50,5	1,40	3,8	2,2	3,5	1	486	280	258	212	117	112	4	17	160	200	30	260	95	80	M20x1,5
SPX-60 25.5 B	SPX090B00B09BB	09.0	**800**	**2.900**	67,5	1,90	4,9	2,8	5,0	1	512	300	280	237	131	105	4	22	165	230	35	300	115	80	M20x1,5
SPX-60 30.0 B	SPX091B00B09BB	09.1	**930**	**3.350**	74,0	2,10	6,0	3,5	5,0	1	512	300	280	237	131	105	4	22	165	230	35	300	115	80	M20x1,5
SPV 35.0 B	SPV100B01B10BB	10.0	**1.200**	**4.350**	114,0	2,60	8,3	4,8	5,5	1	568	326	336	270	150	104	4	25	165	270	40	300	100	70	M25x1,5 + M16X1,5(TH)
SPV 47.5 B	SPV110B01B11BB	11.0	**1.550**	**5.600**	157,0	3,80	10,0	6,0	4,0	1	609	355	362	308	166	110	4	29	210	295	40	330	100	70	M25x1,5 + M16X1,5(TH)
SPV 55.0 B	SPV120B00B12BB	12.0	**1.700**	**6.200**	196,0	5,00	13,0	7,5	4,0	1	656	390	392	345	193	121	6	29	110	310	41	350	110	90	M25x1,5 + M16X1,5(TH)
SPV 63.0 B	SPV130B01B13BB	13.0	**1.970**	**7.150**	221,0	6,50	18,0	10,5	5,0	2	686	390	414	345	192	121	6	29	115	320	45	370	115	75	M25x1,5 + M16X1,5(TH)
SPV 77.0 B	SPV132B03B13BB	13.2	**2.350**	**8.500**	233,0	7,30	19,0	11,0	4,5	2	672	390	414	345	192	121	6	29	115	320	45	370	115	75	M25x1,5 + M16X1,5(TH)
SPV 83.0 B	SPV140B01B14BB	14.0	**2.650**	**9.600**	297,0	8,40	21,0	12,0	4,5	2	731	456	456	410	225	118	6	32	130	380	50	400	130	100	M25x1,5 + M16X1,5(TH)
SPV 105.0 B	SPV141B02B14BB	14.1	**3.580**	**13.000**	330,0	11,00	28,0	16,0	5,0	2	737	456	456	410	225	118	6	32	130	380	50	400	130	100	M25x1,5 + M16X1,5(TH)

* vedi codice in tabella • *see code on table*
** TH = pressa cavo per collegamento termistore • *TH = cable gland for thermistor connection*

TRIFASE • *THREE-PHASE*

Alimentazione Standard • *Standard Supply*

Δ 220-240 / Y 380-415 V (...AA)*
Δ 380-405 / Y 660-700 V (...AZ)*
Δ 290-305 / Y 500-525 V (...AG)*
Altre a richiesta • *Other on request*

Fig. 1 • *Fig. 1*

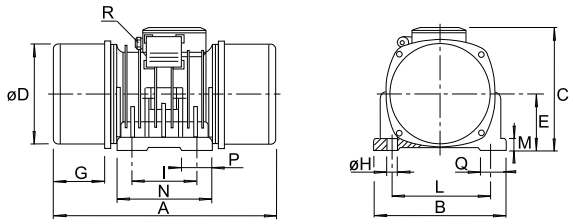


Fig. 2 • *Fig. 2*

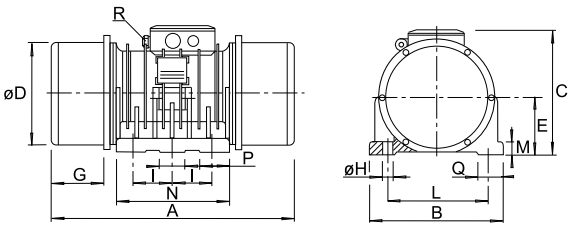
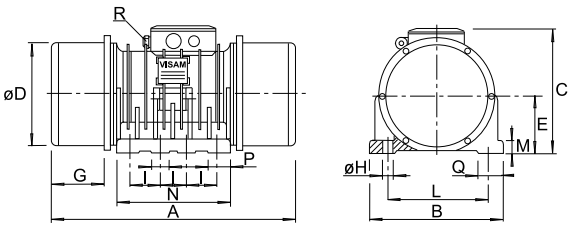


Fig. 3 • *Fig. 3*



DATI GENERALI *GENERAL DATA*			DATI MECCANICI *MECHANICAL DATA*			DATI ELETTRICI *ELECTRICAL DATA*					DATI DIMENSIONALI *OVERALL DIMENSIONS*							DATI FISSAGGIO *FIXING DATA*								
Modello ***Model***	Codice *Code*	Gr. *Sz.*	**SMv** ***Static Mom.***	**CFv** ***Centrif. Force***	Wv Peso *Weight*	Pot. Assorbita *Input Power*	Corrente Nom. *Nom. Current*		Rapporto *Ratio*	Fig./*Fig.*	A	B	C	D	E	G	Nr.	H	I	L	M	N	P	Q	R pressacavo *clable gland* **
			(kg*mm)	(kg)	(kg)	(kW)	Δ (A)	Y (A)	Is/In		(mm)							(mm)							
SPV 1.1 C	SPV030C02B03AA	03.0	**105**	**120**	12,5	0,24	1,2	0,7	3,5	1	332	160	175	126	72	91	4	13	90	125	15	145	55	50	M16x1,5
SPV 1.7 C	SPV040C02B04AA	04.0	**180**	**200**	20,5	0,30	1,3	0,7	3,0	1	370	194	204	148	86	83	4	13	100	155	18	180	50	45	M20x1,5
SPV 2.2 C	SPV041C02B04AA	04.1	**240**	**270**	23,0	0,35	1,5	0,9	3,0	1	406	194	204	148	86	101	4	13	100	155	18	180	50	45	M20x1,5
SPV 3.8 C	SPV050C02B05AA	05.0	**400**	**450**	30,0	0,45	2,3	1,3	3,5	1	428	220	213	168	96	100	4	17	115	170	20	200	65	50	M20x1,5
SPV 5.0 C	SPV060C04B06AA	06.0	**520**	**580**	37,0	0,80	3,0	1,7	4,0	1	452	225	233	187	105	105	4	17	120	180	20	210	70	50	M20x1,5
SPV 8.0 C	SPV070C03B07AA	07.0	**860**	**960**	50,0	0,90	3,2	1,9	3,5	1	495	250	246	200	112	121	4	17	150	190	22	220	60	60	M20x1,5
SPX-50 12.0 C	SPX080C00B08AA	08.0	**1.110**	**1.250**	62,5	1,00	3,6	2,1	3,5	1	548	280	258	212	117	143	4	17	160	200	30	260	95	80	M20x1,5
SPX-50 17.0 C	SPX090C01B09AA	09.0	**1.650**	**1.850**	82,0	1,40	4,6	2,7	4,0	1	584	300	280	237	131	141	4	22	165	230	35	300	115	80	M20x1,5
SPX-50 22.0 C	SPX091C00B09AA	09.1	**2.100**	**2.350**	100,0	1,60	5,3	3,0	4,0	1	624	300	280	237	131	181	4	22	165	230	35	300	115	80	M20x1,5
SPV 27.0 C	SPV100C01B10AA	10.0	**2.560**	**2.860**	144,0	2,40	9,0	5,2	5,0	1	662	326	336	270	150	151	4	25	165	270	40	300	100	70	M25x1,5 + M16X1,5(TH)
SPV 35.5 C	SPV110C02B11AA	11.0	**3.560**	**4.000**	186,5	2,70	10,5	6,0	5,0	1	693	355	362	308	166	152	4	29	210	295	40	330	100	70	M25x1,5 + M16X1,5(TH)
SPV 41.5 C	SPV111C01B11AA	11.1	**4.300**	**4.800**	200,0	3,30	12,0	7,0	5,0	1	693	355	362	308	166	152	4	29	210	295	40	330	100	70	M25x1,5 + M16X1,5(TH)
SPV 50.0 C	SPV120C01B12AA	12.0	**5.100**	**5.700**	241,5	4,20	13,0	7,5	5,0	2	740	390	392	345	193	163	6	29	110	310	41	350	110	90	M25x1,5 + M16X1,5(TH)
SPV 61.0 C	SPV130C01B13AA	13.0	**6.050**	**6.800**	280,0	5,30	16,5	9,5	5,0	2	770	390	414	345	192	163	6	29	115	320	45	370	115	75	M25x1,5 + M16X1,5(TH)
SPV 80.0 C	SPV132C04B13AA	13.2	**7.900**	**8.800**	308,0	7,00	21,0	12,0	5,5	2	838	390	414	345	192	203	6	29	115	320	45	370	115	75	M25x1,5 + M16X1,5(TH)
SPV 90.5 C	SPV140C01B14AA	14.0	**9.100**	**10.200**	380,0	8,00	26,0	15,0	5,0	2	901	456	456	410	225	203	6	32	130	380	50	400	130	100	M25x1,5 + M16X1,5(TH)
SPV 114.0 C	SPV141C02B14AA	14.1	**11.350**	**12.700**	420,0	9,80	28,0	16,0	5,5	2	907	456	456	410	225	203	6	32	130	380	50	400	130	100	M25x1,5 + M16X1,5(TH)
SPV 122.0 C	SPV142C02B14AA	14.2	**12.150**	**13.600**	435,0	10,20	30,0	17,0	5,5	2	907	456	456	410	225	203	6	32	130	380	50	400	130	100	M25x1,5 + M16X1,5(TH)
SPV 140.0 C	SPV150C04B15AZ	15.0	**14.000**	**15.650**	543,0	11,50	21,0	12,0	5,5	2	964	520	504	451	255	218	6	38	155	400	40	470	150	145	M32x1,5 + M16X1,5(TH)
SPV 160.0 C	SPV151C07B15AZ	15.1	**15.700**	**17.550**	610,0	13,80	24,0	13,8	6,0	2	1.018	520	504	451	255	218	6	38	155	400	40	470	150	145	M32x1,5 + M16X1,5(TH)
SPV 220.0 C	SPV171C00B17AZ	17.1	**20.400**	**22.800**	890,0	19,00	31,0	18,0	6,0	3	1.130	620	595	550	310	235	8	45	140	520	50	530	100	120	M40x1,5 + M20X1,5(TH)

* vedi codice in tabella • *see code on table*
** TH = pressa cavo per collegamento termistore • *TH = cable gland for thermistor connection*

TRIFASE • *THREE-PHASE*

Alimentazione Standard • *Standard Supply*

Δ 220-240 / Y 440-480 V (...BK)*
Δ 220-275 / Y 380-480 V (...BB)*
Δ 265-290 / Y 460-500 V (...BL)*
Altre a richiesta • *Other on request*

Fig. 1 • *Fig. 1*

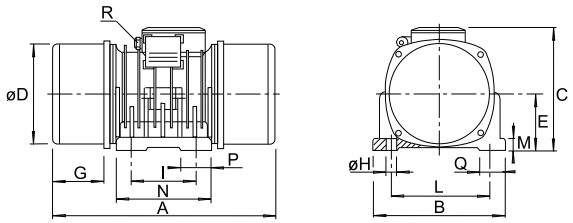


Fig. 2 • *Fig. 2*

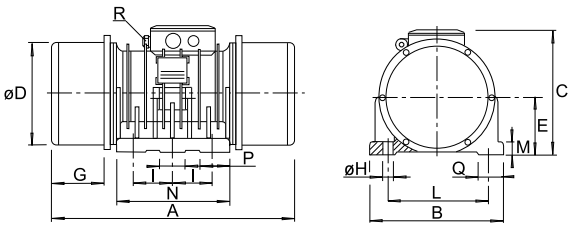
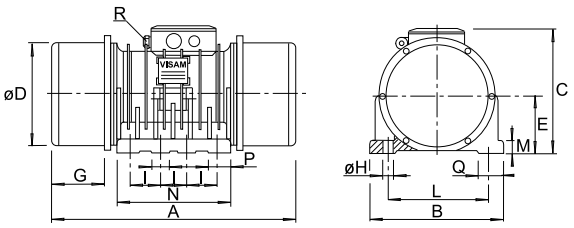


Fig. 3 • *Fig. 3*



DATI GENERALI *GENERAL DATA*			DATI MECCANICI *MECHANICAL DATA*			DATI ELETTRICI *ELECTRICAL DATA*					DATI DIMENSIONALI *OVERALL DIMENSIONS*							DATI FISSAGGIO *FIXING DATA*								
Modello ***Model***	Codice *Code*	Gr. *Sz.*	**SMv** ***Static Mom.***	**CFv** ***Centrif. Force***	Wv Peso *Weight*	Pot. Assorbita *Input Power*	Corrente Nom. *Nom. Current*		Rapporto *Ratio*	Fig./*Fig.*	A	B	C	D	E	G	Nr.	H	I	L	M	N	P	Q	R pressacavo *clable gland* **
			(kg*mm)	(kg)	(kg)	(kW)	Δ (A)	Y (A)	Is/In		(mm)							(mm)							
SPV 1.1 C	SPV030C02B03BB	03.0	**105**	**170**	12,5	0,28	1,2	0,7	3,5	1	332	160	175	126	72	91	4	13	90	125	15	145	55	50	M16x1,5
SPV 1.7 C	SPV040C02B04BK	04.0	**180**	**300**	20,5	0,35	1,4	0,7	3,0	1	370	194	204	148	86	83	4	13	100	155	18	180	50	45	M20x1,5
SPV 2.2 C	SPV041C02B04BK	04.1	**240**	**390**	23,0	0,40	1,7	0,8	3,0	1	406	194	204	148	86	101	4	13	100	155	18	180	50	45	M20x1,5
SPV 3.8 C	SPV050C02B05BK	05.0	**300**	**480**	27,5	0,50	2,4	1,2	3,5	1	428	220	213	168	96	100	4	17	115	170	20	200	65	50	M20x1,5
SPV 5.0 C	SPV060C04B06BK	06.0	**455**	**735**	36,0	0,90	3,2	1,6	4,0	1	452	225	233	187	105	105	4	17	120	180	20	210	70	50	M20x1,5
SPV 8.0 C	SPV070C03B07BK	07.0	**680**	**1.100**	46,0	1,00	3,4	1,7	3,5	1	495	250	246	200	112	121	4	17	150	190	22	220	60	60	M20x1,5
SPX-60 12.0 C	SPX080C00B08BK	08.0	**825**	**1.350**	56,0	1,15	3,8	1,9	3,5	1	486	280	258	212	117	112	4	17	160	200	30	260	95	80	M20x1,5
SPX-60 17.0 C	SPX090C01B09BK	09.0	**1.100**	**1.750**	70,0	1,55	5,0	2,5	4,0	1	512	300	280	237	131	105	4	22	165	230	35	300	115	80	M20x1,5
SPX-60 22.0 C	SPX091C00B09BK	09.1	**1.250**	**2.050**	80,0	1,70	5,6	2,8	4,0	1	584	300	280	237	131	141	4	22	165	230	35	300	115	80	M20x1,5
SPV 27.0 C	SPV100C01B10BK	10.0	**1.580**	**2.550**	128,0	2,60	10,0	5,0	5,0	1	662	326	336	270	150	151	4	25	165	270	40	300	100	70	M25x1,5 + M16X1,5(TH)
SPV 35.5 C	SPV110C02B11BK	11.0	**2.100**	**3.400**	166,0	2,90	12,0	6,0	5,5	1	693	355	362	308	166	152	4	29	210	295	40	330	100	70	M25x1,5 + M16X1,5(TH)
SPV 41.5 C	SPV111C02B11BK	11.1	**2.950**	**4.750**	180,0	3,60	14,0	7,0	5,0	1	693	355	362	308	166	152	4	29	210	295	40	330	100	70	M25x1,5 + M16X1,5(TH)
SPV 50.0 C	SPV120C01B12BK	12.0	**3.670**	**5.900**	221,0	4,50	15,0	7,5	5,0	2	740	390	392	345	193	163	6	29	110	310	41	350	110	90	M25x1,5 + M16X1,5(TH)
SPV 61.0 C	SPV130C01B13BK	13.0	**4.100**	**6.600**	255,0	6,20	20,0	10,0	5,0	2	770	390	414	345	192	163	6	29	115	320	45	370	115	75	M25x1,5 + M16X1,5(TH)
SPV 80.0 C	SPV132C04B13BK	13.2	**5.500**	**8.850**	280,0	7,50	24,0	12,0	5,5	2	838	390	414	345	192	203	6	29	115	320	45	370	115	75	M25x1,5 + M16X1,5(TH)
SPV 90.5 C	SPV140C01B14BK	14.0	**6.500**	**10.500**	345,0	8,60	27,5	13,8	5,0	2	901	456	456	410	225	203	6	32	130	380	50	400	130	100	M25x1,5 + M16X1,5(TH)
SPV 114.0 C	SPV141C02B14BK	14.1	**7.500**	**12.100**	372,0	10,80	34,0	17,0	5,5	2	907	456	456	410	225	203	6	32	130	380	50	400	130	100	M25x1,5 + M16X1,5(TH)
SPV 122.0 C	SPV142C02B14BK	14.2	**8.270**	**13.350**	388,0	11,00	35,0	17,5	5,5	2	907	456	456	410	225	203	6	32	130	380	50	400	130	100	M25x1,5 + M16X1,5(TH)
SPV 140.0 C	SPV150C04B15BK	15.0	**9.900**	**15.950**	500,0	12,50	36,9	18,5	5,5	2	964	520	504	451	255	218	6	38	155	400	40	470	150	145	M32x1,5 + M16X1,5(TH)
SPV 160.0 C	SPV151C07B15BK	15.1	**10.700**	**17.200**	555,0	15,00	47,0	23,5	5,5	2	1.018	520	504	451	255	218	6	38	155	400	40	470	150	145	M32x1,5 + M16X1,5(TH)
SPV 220.0 C	SPV171C00B17BK	17.1	**12.100**	**19.500**	850,0	20,50	62,0	31,0	6,0	3	1.130	620	595	550	310	235	8	45	140	520	50	530	100	120	M40x1,5 + M20X1,5(TH)

* vedi codice in tabella • *see code on table*
** TH = pressa cavo per collegamento termistore • *TH = cable gland for thermistor connection*

TRIFASE • *THREE-PHASE*

Alimentazione Standard • *Standard Supply*

Δ 220-240 / Y 380-415 V (...AA)*
Δ 380-405 / Y 660-700 V (...AZ)*
Δ 290-305 / Y 500-525 V (...AG)*
Altre a richiesta • *Other on request*

Fig. 1 • *Fig. 1*

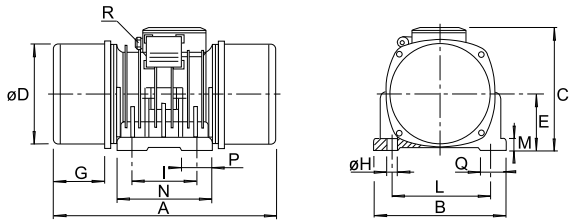


Fig. 2 • *Fig. 2*

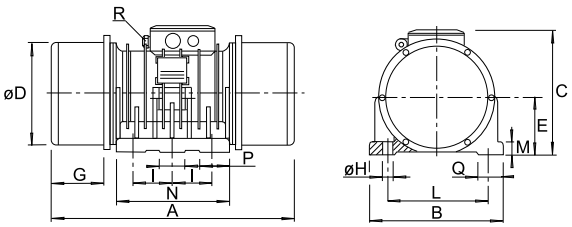
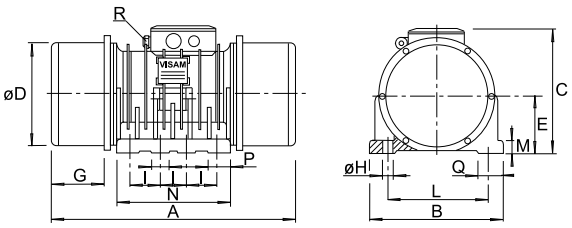


Fig. 3 • *Fig. 3*



DATI GENERALI *GENERAL DATA*			DATI MECCANICI *MECHANICAL DATA*			DATI ELETTRICI *ELECTRICAL DATA*					DATI DIMENSIONALI *OVERALL DIMENSIONS*							DATI FISSAGGIO *FIXING DATA*								
Modello ***Model***	Codice *Code*	Gr. *Sz.*	**SMv** ***Static Mom.***	**CFv** ***Centrif. Force***	Wv Peso *Weight*	Pot. Assorbita *Input Power*	Corrente Nom. *Nom. Current*		Rapporto *Ratio*	Fig./*Fig.*	A	B	C	D	E	G	Nr.	H	I	L	M	N	P	Q	R pressacavo *clable gland* **
			(kg*mm)	(kg)	(kg)	(kW)	Δ (A)	Y (A)	Is/In		(mm)							(mm)							
SPV 1.3 D	SPV041D02B04AA	04.1	**240**	**150**	23,0	0,28	1,2	0,7	3,0	1	406	194	204	148	86	101	4	13	100	155	18	180	50	45	M20x1,5
SPV 2.1 D	SPV050D01B05AA	05.0	**400**	**250**	30,0	0,45	2,1	1,2	3,5	1	428	220	213	168	96	100	4	17	115	170	20	200	65	50	M20x1,5
SPV 2.8 D	SPV060D02B06AA	06.0	**520**	**330**	37,0	0,55	2,5	1,5	3,5	1	452	225	233	187	105	105	4	17	120	180	20	210	70	50	M20x1,5
SPV 4.5 D	SPV070D02B07AA	07.0	**860**	**540**	50,0	0,70	2,9	1,7	3,5	1	495	250	246	200	112	121	4	17	150	190	22	220	60	60	M20x1,5
SPX-50 7.0 D	SPX080D01B08AA	08.0	**1.110**	**700**	62,5	0,90	3,5	2,0	3,0	1	548	280	258	212	117	143	4	17	160	200	30	260	95	80	M20x1,5
SPX-50 10.0 D	SPX090D00B09AA	09.0	**1.650**	**1.050**	82,0	1,10	4,3	2,5	4,0	1	584	300	280	237	131	141	4	22	165	230	35	300	115	80	M20x1,5
SPX-50 13.0 D	SPX091D00B09AA	09.1	**2.100**	**1.320**	100,0	1,30	4,8	2,8	4,0	1	624	300	280	237	131	181	4	22	165	230	35	300	115	80	M20x1,5
SPV 15.5 D	SPV100D01B10AA	10.0	**2.560**	**1.610**	144,0	2,00	8,6	5,0	4,5	1	662	326	336	270	150	151	4	25	165	270	40	300	100	70	M25x1,5 + M16X1,5(TH)
SPV 20.0 D	SPV110D02B11AA	11.0	**3.560**	**2.250**	186,5	2,50	10,0	6,0	4,5	1	693	355	362	308	166	152	4	29	210	295	40	330	100	70	M25x1,5 + M16X1,5(TH)
SPV 23.5 D	SPV111D02B11AA	11.1	**4.300**	**2.700**	200,0	3,00	11,7	6,8	4,5	1	693	355	362	308	166	152	4	29	210	295	40	330	100	70	M25x1,5 + M16X1,5(TH)
SPV 28.0 D	SPV120D01B12AA	12.0	**6.050**	**3.800**	254,0	3,70	14,7	8,5	4,5	2	740	390	392	345	193	163	6	29	110	310	41	350	110	90	M25x1,5 + M16X1,5(TH)
SPV 42.5 D	SPV130D01B13AA	13.0	**7.550**	**4.750**	300,0	5,20	17,5	10,0	5,5	2	851	390	414	345	192	203	6	29	115	320	45	370	115	75	M25x1,5 + M16X1,5(TH)
SPV 56.0 D	SPV132D03B13AA	13.2	**9.800**	**6.160**	331,0	6,50	21,0	12,0	5,0	2	917	390	414	345	192	243	6	29	115	320	45	370	115	75	M25x1,5 + M16X1,5(TH)
SPV 66.5 D	SPV140D01B14AA	14.0	**11.970**	**7.550**	415,0	7,00	22,5	13,0	4,0	2	1.001	456	456	410	225	253	6	32	130	380	50	400	130	100	M25x1,5 + M16X1,5(TH)
SPV 78.5 D	SPV141D02B14AA	14.1	**13.670**	**8.600**	446,0	8,00	24,5	14,0	5,0	2	1.007	456	456	410	225	253	6	32	130	380	50	400	130	100	M25x1,5 + M16X1,5(TH)
SPV 100.0 D	SPV150D04B15AZ	15.0	**18.000**	**11.300**	584,0	10,00	18,0	10,5	5,0	2	1.084	520	504	451	255	278	6	38	155	400	40	470	150	145	M32x1,5 + M16X1,5(TH)
SPV 124.0 D	SPV151D04B15AZ	15.1	**21.700**	**13.650**	672,0	11,00	20,0	11,5	5,0	2	1.138	520	504	451	255	278	6	38	155	400	40	470	150	145	M32x1,5 + M16X1,5(TH)
SPV 200.0 D	SPV171D00B17AZ	17.1	**29.600**	**18.600**	970,0	13,50	26,0	15,0	5,5	3	1.130	620	595	550	310	235	8	45	140	520	50	530	100	120	M40x1,5 + M20X1,5(TH)

* vedi codice in tabella • *see code on table*
** TH = pressa cavo per collegamento termistore • *TH = cable gland for thermistor connection*

TRIFASE • *THREE-PHASE*

Alimentazione Standard • *Standard Supply*

Δ 220-240 / Y 440-480 V (...BK)*
Δ 220-275 / Y 380-480 V (...BB)*
Δ 265-290 / Y 460-500 V (...BL)*
Altre a richiesta • *Other on request*

Fig. 1 • *Fig. 1*

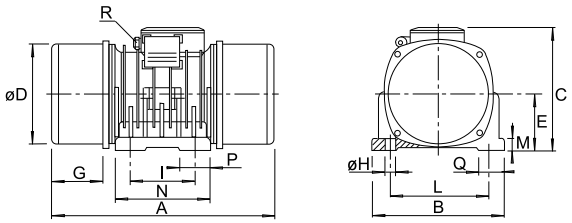


Fig. 2 • *Fig. 2*

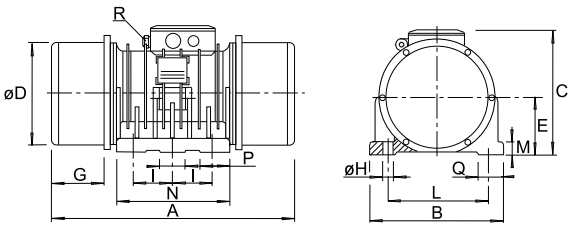
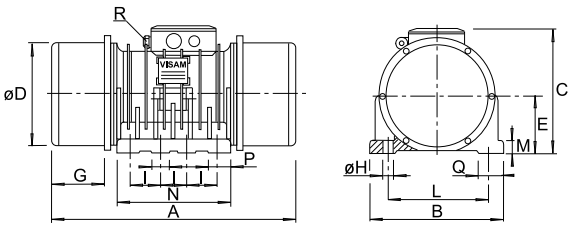


Fig. 3 • *Fig. 3*



DATI GENERALI *GENERAL DATA*			DATI MECCANICI *MECHANICAL DATA*			DATI ELETTRICI *ELECTRICAL DATA*					DATI DIMENSIONALI *OVERALL DIMENSIONS*							DATI FISSAGGIO *FIXING DATA*								
Modello ***Model***	Codice *Code*	Gr. *Sz.*	**SMv** ***Static Mom.***	**CFv** ***Centrif. Force***	Wv Peso *Weight*	Pot. Assorbita *Input Power*	Corrente Nom. *Nom. Current*		Rapporto *Ratio*	Fig./*Fig.*	A	B	C	D	E	G	Nr.	H	I	L	M	N	P	Q	R pressacavo *clable gland* **
			(kg*mm)	**(kg)**	(kg)	(kW)	Δ (A)	Y (A)	Is/In		(mm)							(mm)							
SPV 1.3 D	SPV041D02B04BK	04.1	**240**	**220**	23,0	0,32	1,5	0,7	3,0	1	406	194	204	148	86	101	4	13	100	155	18	180	50	45	M20x1,5
SPV 2.1 D	SPV050D01B05BK	05.0	**400**	**360**	30,0	0,50	2,2	1,1	3,5	1	428	220	213	168	96	100	4	17	115	170	20	200	65	50	M20x1,5
SPV 2.8 D	SPV060D02B06BK	06.0	**520**	**470**	37,0	0,70	3,5	1,7	3,5	1	452	225	233	187	105	105	4	17	120	180	20	210	70	50	M20x1,5
SPV 4.5 D	SPV070D02B07BK	07.0	**860**	**780**	50,0	0,80	3,4	1,7	3,5	1	495	250	246	200	112	121	4	17	150	190	22	220	60	60	M20x1,5
SPX-60 7.0 D	SPX080D01B08BK	08.0	**1.110**	**1.000**	62,5	0,95	4,0	2,0	3,0	1	548	280	258	212	117	143	4	17	160	200	30	260	95	80	M20x1,5
SPX-60 10.0 D	SPX090D00B09BK	09.0	**1.650**	**1.500**	82,0	1,20	5,2	2,6	4,0	1	584	300	280	237	131	141	4	22	165	230	35	300	115	80	M20x1,5
SPX-60 13.0 D	SPX091D00B09BK	09.1	**2.100**	**1.900**	100,0	1,50	5,4	2,7	4,0	1	624	300	280	237	131	181	4	22	165	230	35	300	115	80	M20x1,5
SPV 15.5 D	SPV100D01B10BK	10.0	**2.560**	**2.320**	144,0	2,30	10,0	5,0	4,5	1	662	326	336	270	150	151	4	25	165	270	40	300	100	70	M25x1,5 + M16X1,5(TH)
SPV 20.0 D	SPV110D02B11BK	11.0	**3.560**	**3.220**	186,5	2,80	12,0	6,0	4,5	1	693	355	362	308	166	152	4	29	210	295	40	330	100	70	M25x1,5 + M16X1,5(TH)
SPV 23.5 D	SPV111D02B11BK	11.1	**4.300**	**3.900**	200,0	3,30	14,0	7,0	4,5	1	693	355	362	308	166	152	4	29	210	295	40	330	100	70	M25x1,5 + M16X1,5(TH)
SPV 28.0 D	SPV120D01B12BK	12.0	**5.100**	**4.620**	241,5	4,10	17,0	8,5	4,5	2	740	390	392	345	193	163	6	29	110	310	41	350	110	90	M25x1,5 + M16X1,5(TH)
SPV 42.5 D	SPV130D01B13BK	13.0	**6.050**	**5.500**	280,0	5,80	20,0	10,0	5,5	2	770	390	414	345	192	163	6	29	115	320	45	370	115	75	M25x1,5 + M16X1,5(TH)
SPV 56.0 D	SPV132D03B13BK	13.2	**7.900**	**7.150**	308,0	7,20	24,0	12,0	5,0	2	838	390	414	345	192	203	6	29	115	320	45	370	115	75	M25x1,5 + M16X1,5(TH)
SPV 66.5 D	SPV140D01B14BK	14.0	**9.100**	**8.250**	380,0	8,00	26,0	13,0	4,0	2	901	456	456	410	225	203	6	32	130	380	50	400	130	100	M25x1,5 + M16X1,5(TH)
SPV 78.5 D	SPV141D02B14BK	14.1	**12.150**	**11.000**	435,0	8,50	28,0	14,0	5,0	2	907	456	456	410	225	203	6	32	130	380	50	400	130	100	M25x1,5 + M16X1,5(TH)
SPV 100.0 D	SPV150D04B15BK	15.0	**14.000**	**12.640**	543,0	10,80	36,0	18,0	5,0	2	964	520	504	451	255	218	6	38	155	400	40	470	150	145	M32x1,5 + M16X1,5(TH)
SPV 124.0 D	SPV151D04B15BK	15.1	**17.700**	**16.000**	630,0	12,00	40,0	20,0	5,0	2	1.138	520	504	451	255	278	6	38	155	400	40	470	150	145	M32x1,5 + M16X1,5(TH)
SPV 200.0 D	SPV171D00B17BK	17.1	**24.500**	**22.200**	930,0	14,50	52,0	26,0	5,5	3	1.130	620	595	550	310	235	8	45	140	520	50	530	100	120	M40x1,5 + M20X1,5(TH)

* vedi codice in tabella • *see code on table*
** TH = pressa cavo per collegamento termistore • *TH = cable gland for thermistor connection*

TIPI DI VIBRAZIONE

Si possono ottenere due tipi di vibrazione:
CIRCOLARE (fig. A): ottenuta con 1 vibratore elettrico posizionato in prossimità del centro di massa della macchina
ELLITTICA (fig. B): ottenuta con 1 vibratore elettrico posizionato distante dal centro di massa della macchina
LINEARE (fig. C) : ottenuta con 2 vibratori elettrici (controrotanti) posizionati in modo che la risultante attraversi il centro di massa della macchina

fig. A

fig. B

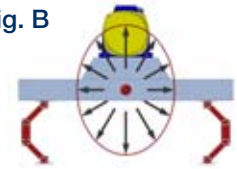
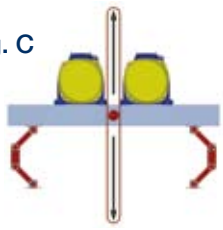


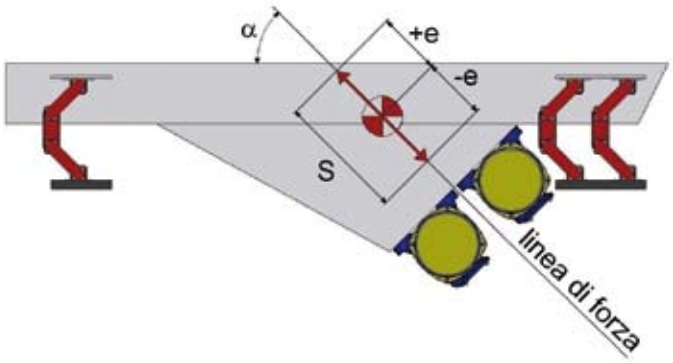
fig. C



Il buon funzionamento di una macchina vibrante è frutto di specifiche conoscenze ed esperienze difficilmente sintetizzabili, per cui è preferibile che siano costruttori di macchine specializzati nel settore ad eseguire tutti i calcoli necessari. Tuttavia, per una valutazione preliminare del modello di vibratore richiesto dall'applicazione, è possibile utilizzare le formule sotto elencate, da considerarsi come raccomandazioni non vincolanti.

FORMULE GENERALI E LEGENDA

S (ampiezza) = e * 2		[mm]
e (eccentricità) = SMt / Wt		[mm]
a (accelerazione) = CFt / Wt		[G]
Wt (peso totale macchina) =	We + Wvt	[kg]
We (peso macchina isolata)		[kg]
Wvt (peso totale vibratori) =	Wv * nr. vibratori	[kg]
Wv (peso vibratore)		[kg]
SMt (momento statico totale) =	SMv * nr. vibratori	[kg*mm]
SMv (momento statico vibratore)		[kg*mm]
CFt (forza centrifuga totale) =	CFv * nr. vibratori	[kg]
CFv (forza centrifuga vibratore)		[kg]
α (angolo linea di forza dal piano orizzontale)		[°]



ESEMPIO DI SELEZIONE VIBRATORE

Dati noti sulla macchina e sul processo

Tipo di processo / vibrazione: ..... alimentatore primario / vibrazione lineare
Peso macchina (We): ..... 1.500 kg
Frequenza di alimentazione: ..... 50 Hz
Velocità / Poli: ..... 1000 rpm / 6 Poli
Ampiezza di vibrazione richiesta (S): ..... 8,0 mm

Calcoli

Eccentricità (e)	= S / 2 -> 8,0 / 2	= **4,0** mm
Peso vibratori stimato (Wvt)	= 20-25% della peso macchina -> 25% di 1.500 kg	= **375** kg
Peso totale macchina (Wt)	= We + Wvt (stimato) -> 1.500 + 375	= **1.875** kg
Momento Statico totale (SMt)	= Wt * e -> 1.875 * 4,0	= **7.500** kg*mm
Momento Statico vibratore (SMv)	= SMt / 2 -> 7.500 / 2	= **3.750** kg*mm

Selezione e verifica

Nella scelta del modello di vibratore si consiglia di utilizzare, nei successivi calcoli, l'80% del valore del Momento Statico (SMv), e quindi l'80% della relativa Forza Centrifuga (CFv), per disporre di un margine operativo del 20%.
Nella sezione del Catalogo **"6 poli - 50 Hz - 1000 rpm"**, bisogna dunque identificare un modello che, con regolazione all'80%, offra un valore di Momento Statico (SMv) più vicino possibile a quello richiesto:

SPV 41.5 C	Momento Statico (SMv)	= 4.300 kg*mm (100%) -> (80%)	= **3.440** kg*mm
	Forza Centrifuga (CFv)	= 4.800 kg (100%) -> (80%)	= **3.840** kg
	Peso (Wv)	.....	= **200** kg
	Calcolo eccentricità (e)	= SMt (80%) / Wt -> (3.440 * 2) / (1.500 + (200 * 2))	= **3,6** mm
	Calcolo accelerazione (a)	= CFt (80%) / Wt -> (3.840 * 2) / (1.500 + (200 * 2))	= **4,0** G (si consiglia di non superare il valore 5,0 G)

Per ottenere l'eccentricità richiesta (e = 4,0 mm) occorre regolare il vibratore al 90%. Per avere, come consigliato, un margine operativo del 20% dobbiamo passare al modello successivo:

SPV 50.0 C	Momento Statico (SMv)	= 5.100 kg*mm (100%) -> (80%).....	= **4.080** kg*mm
	Forza Centrifuga (CFv)	= 5.700 kg (100%) -> (80%)	= **4.560** kg
	Peso (Wv)	.....	= **242** kg
	Calcolo eccentricità (e)	= SMt (80%) / Wt -> (4.080 * 2) / (1.500 + (242 * 2)).....	= **4,1** mm
	Calcolo accelerazione (a)	= CFt (80%) / Wt -> (4.560 * 2) / (1.500 + (242 * 2)).....	= **4,6** G (si consiglia di non superare il valore 5,0 G)

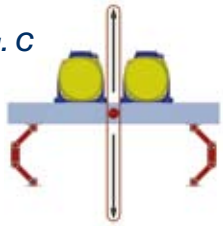
TYPES OF VIBRATION

You can obtain three types of vibration:
CIRCULAR (fig. A): obtained with 1 electric vibrator positioned near the mass center of the equipment
ELLIPTICAL (fig. B): obtained with 1 electric vibrator positioned distant from the mass center of the equipment
LINEAR (fig. C): obtained with 2 electric vibrators (counter-rotating) positioned so that the line of force goes through the mass center of the equipment

fig. A

fig. B

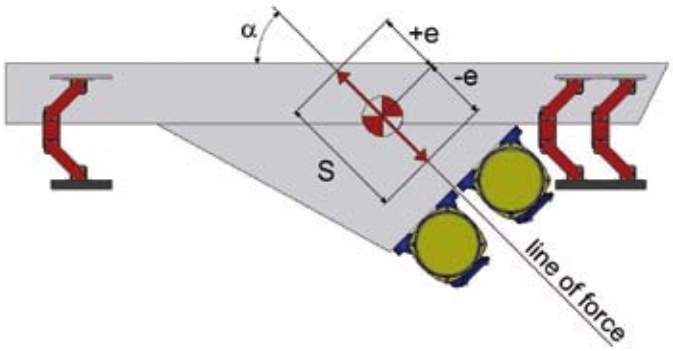
fig. C



The functioning of a vibratory equipment is the result of a specific know-how and experience, it is recommended that only manufacturers of equipments specialized in that field make all necessary evaluations and relevant calculations. Anyway, for a preliminary evaluation of the vibrator model suitable for an application, we report here below some formulas to be considered only as not-binding indications.

GENERAL FORMULA AND LEGENDA

S (stroke) =	*e * 2*	*[mm]*
e (eccentricity) =	*SMt / Wt*	*[mm]*
a (acceleration) =	*CFt / Wt*	*[G]*
Wt (total weight of equipment) =	*We + Wvt*	*[kg]*
We (weight of isolated equipment)		*[kg]*
Wvt (total weight of vibrators) =	*Wv * nr. vibrators*	*[kg]*
Wv (weight of vibrator)		*[kg]*
SMt (total static moment) =	*SMv * nr. vibrators*	*[kg*mm]*
SMv (static moment of vibrator)		*[kg*mm]*
CFt (total centrifugal force) =	*CFv * nr. vibrators*	*[kg]*
CFv (centrifugal force of vibrator)		*[kg]*
α (line of force angle from horizontal)		*[°]*



EXAMPLE OF VIBRATOR SELECTION

Given data on equipment and process

Type of process / vibration: ..... primary feeder / linear vibration
Weight of equipment (We): ..... 1.500 kg
Feeding Frequency: ..... 50 Hz
Speed / Poles: ..... 1000 rpm / 6 Poles
Requested stroke of vibration (S): ..... 8,0 mm

Calculations

Eccentricity (e)	*= S / 2 -> 8,0 / 2 .....*	*= **4,0** mm*
Weight of vibrators estimated (Wvt)	*= 20-25% of equipment weight -> 25% of 1.500 kg .....*	*= **375** kg*
Total equipment weight (Wt)	*= We + Wvt (estimated) -> 1.500 + 375 .....*	*= **1.875** kg*
Total Static Moment (SMt)	*= Wt * e -> 1.875 * 4,0 .....*	*= **7.500** kg*mm*
Static Moment of vibrator (SMv)	*= SMt / 2 -> 7.500 / 2 .....*	*= **3.750** kg*mm*

Selection and checking

When selecting the vibrator model, it is advisable to use, for all further calculations, the 80% of the value of Static Moment (SMv), therefore the 80% of the relevant Centrifugal Force (CFv), in order to have an operative safety margin of 20%.
*In the Catalogue section **"6 poles - 50 Hz - 1000 rpm"**, we must identify a model that, with 80% of setting, will grant a value of Static Moment (SMv) the closest possible to the value required:*

SPV 41.5 C	*Static Moment (SMv)*	*= 4.300 kg*mm (100%) -> (80%) .....*	*= **3.440** kg*mm*
	Centrifugal Force (CFv)	*= 4.800 kg (100%) -> (80%) .....*	*= **3.840** kg*
	Weight (Wv)	*.....*	*= **200** kg*
	Eccentricity calculation (e)	*= SMt (80%) / Wt -> (3.440 * 2) / (1.500 + (200 * 2)) .....*	*= **3,6** mm*
	Acceleration calculation (a)	*= CFt (80%) / Wt -> (3.840 * 2) / (1.500 + (200 * 2)) .....*	*= **4,0** G (it is advisable not to exceed 5,0 G value)*

To obtain the requested eccentricity (e= 4,0 mm) we should set the vibrator at 90%. To keep the recommended safety operative margin of 20%, we have to consider the next model:

SPV 50.0 C	*Static Moment (SMv)*	*= 5.100 kg*mm (100%) -> (80%).....*	*= **4.080** kg*mm*
	Centrifugal Force (CFv)	*= 5.700 kg (100%) -> (80%) .....*	*= **4.560** kg*
	Weight (Wv)	*.....*	*= **242** kg*
	Eccentricity calculation (e)	*= SMt (80%) / Wt -> (4.080 * 2) / (1.500 + (242 * 2))..... = **4,1** mm*	
	Acceleration calculation (a)	*= CFt (80%) / Wt -> (4.560 * 2) / (1.500 + (242 * 2)).....*	*= **4,6** G (it is advisable not to exceed 5,0 G value)*

ALTRE SERIE DISPONIBILI
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Vibratori a 10 e 12 poli
10 and 12 pole Vibrators

Vibratori a bassa velocità per applicazioni specifiche (es. industria molitoria e fonderia)

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SPEx

Vibratori Atex
Atex Vibrators

Tutta la gamma Visam è disponibile conforme per utilizzo in zona Atex 22.

Su richiesta per zona Atex 21.
All Visam range is suitable for use in zone Atex 22. On request for zone Atex 21.

DCV

Vibratori Corrente Continua (12 - 24V)
Direct Current Vibrators (12 - 24V)

Vibratori per utilizzo in applicazioni dove non è disponibile allacciamento diretto alla rete elettrica.

Vibrators for applications where it is not available direct connection to the electricity network.

AMV

Mini Vibratori
Mini Vibrators

Vibratori di ridotte dimensioni per applicazioni ad uso discontinuo e con bassa forza centrifuga richiesta.

Vibrators of small size for applications with discontinuous duty and low centrifugal force required.

SPF

Vibratori con attacco a Flangia
Flange mounted Vibrators

Vibratori con attacco a flangia per applicazione su vagli circolari e buratti.

Flange mounted vibrators for circular screens and deburring machines application

Maggiori dettagli su queste serie sono disponibili sul sito web VISAM
Further details about these series are available on VISAM web site

www.visam.it

SPC

Vibratori con attacco rapido (culla)
Quick release Vibrators (cradle)

Modelli richiesti in particolare dall'industria del cemento e delle costruzioni per l'esigenza di spostare frequentemente i vibratori su diversi stampi.

Models particularly requested by the concrete and construction industry to meet the requirement of frequent re-positionig of vibrators on different moulds.

HFV
HFC

Vibratori ad alta Frequenza
High Frequency Vibrators

Vibratori ad alta velocità (6000 o 9000 rpm) per l'industria dell'edilizia e della prefabbricazione. Modelli disponibili anche nella versione ad attacco rapido (culla) per l'esigenza di spostare frequentemente i vibratori da una cassaforma all'altra.

High speed vibrators (6000 or 9000 rpm) for concrete and pre fab industry.
Quick release (cradle) models are available to meet the requirement of frequent re-positionig of vibrators on different moulds.

VFV
VFC

Vibratori a frequenza variabile
Variable frequency Vibrators

Vibratori a velocità variabile (da 4000 a 6000 rpm) per l'industria della prefabbricazione. Modelli disponibili anche nella versione ad attacco rapido (culla) per l'esigenza di spostare frequentemente i vibratori da una cassaforma all'altra.

Variable speed vibrators at high speed (from 4000 to 6000 rpm) for pre fab industry. Quick release (cradle) models are available to meet the requirement of frequent re-positionig of vibrators on different moulds.

EMC

Convertitori Elettronici Modulari
Electronic Modular Converters

Convertitori elettronici di frequenza e tensione modulari per l'azionamento di vibratori (serie HFV/HFC e VFV/VFC), progettati per le specifiche esigenze dell'industria dell'edilizia e della prefabbricazione.

Electronic modular frequency and voltage converters for vibrators (series HFV/HFC and VFV/VFC), designed to suit the specific needs of concrete and pre fab industry.

Maggiori dettagli su queste serie sono disponibili sul sito web VISAM
Further details about these series are available on VISAM web site

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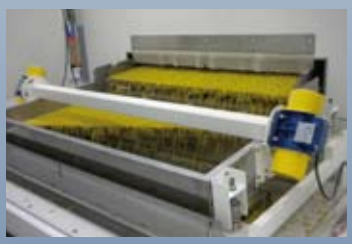
FOOD AND CHEMICAL



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PREFABBRICAZIONE

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