



 **MVSI-S EXTERNAL ELECTRIC VIBRATOR**

# ■ MVSI-S



## Technical features

Standard painting with weight covers in stainless steel.

Casing and terminal box cover with electrostatic surface treatment based on polymerised epoxy polyester powder in oven at 200°C.

Weight covers in stainless steel AISI 304.

Excellent resistance versus corrosion in normal operating conditions.

Salt spray tested for 500 hours.

## Technical features

### Power supply

Three-phase voltage from 24V to 690V, 50Hz or 60Hz or single-phase 100-130V, 60Hz and 200-240V, 50Hz (single-phase types are supplied without capacitor); suitable for use with an inverter from 20Hz to the base frequency with constant torque load profile.

### Polarity

2, 4, 6 and 8 standard poles, 10 and 12 poles on request.

### Conformity with Standards and Regulations

Low Voltage Directive 2006/95/EC; ATEX Directive 2014/34/UE; EN/IEC 60034-1, EN/IEC 60079-0, EN/IEC 60079-31, UL 1004-1, CSA C22.2 No.100, NEMA MG-1.

### Functioning

Continual service (S1) at maximum declared centrifugal force and electric power. Intermittent services are also possible depending on the type of vibrator and the operating conditions. For detailed information, contact our technical assistance office.

### Centrifugal force

Range extended up to 30500 kgf. (300 kN), with centrifugal force adjustable by varying eccentric weights position.

### Mechanical protection

IP 66 according to IEC/EN 60529.

### Protection against mechanical impacts

IK 08 according to IEC/EN 62262.

### Insulation class

Class F (155°C), class H (180°C) on request.

### Tropicalization

Standard on all vibrators, with vacuum encapsulation up to gr. AF 33 and 35, with "drop by drop" trickle system for larger sizes.

### Ambient temperature

From -20°C to +40°C. Versions for higher or lower temperatures are available on request.

### Vibrator thermal protection

Standard PTC rated thermistor heat detectors 130°C from size 70, on request for smaller sizes. On request, thermistors with different temperatures and anti-condensation heaters.

### Fixing of the vibrator

In all positions and therefore without restriction.

### Lubrication

All vibrators are lubricated in the factory and do not require further lubrication at start-up.

### Terminal box

Large terminal box to facilitate electrical connection. Special shaped terminals allow for the power supply cable to be secured, whilst protecting it from loosening.

### Electric motor

Three-phase asynchronous type. Designed for maximum starting torques and torque curves specific to requirements of vibrating machines. Insulated windings using vacuum encapsulating up to sizes AF33 and 35 included; using the "drop by drop" trickle system with class H resin for larger sizes. The rotor is die cast aluminium.

### Casing

In high-tensile aluminium alloy up to size 60, in spheroidal cast iron for larger sizes.

### Bearing flange

In cast iron (spheroidal or grey). The geometry of the flange transmits the load to the casing uniformly.

### Bearings

Custom made with particular geometry, especially designed for Italtibras, suitable to support both high radial and axial loads.

### Motor shaft

In treated steel alloy (Isothermic hardening) resistant to stress.

### Eccentric weights

Allow adjustment of the centrifugal force. This adjustment is realized by a graduated scale, which expresses the centrifugal force as a percentage of the maximum centrifugal force.

A patented system, called ARS, prevents adjustment errors.

# MVSI-S

The MVSI series represents the line of reference products for manufacturers of vibrating machines and plants operating in many industrial sectors and is made up of the largest range on the market, with centrifugal force values up to 30500 Kgf (300kN).

It is characterized by the continuous technological evolution in view of a continuous improvement in performance.

The MVSI series is designed to guarantee high performance in all conditions of use and environment, on page 14 the various surface treatments available are described.

**Category:** II2D

**Level of protection:**

Ex tD A21 T...°C IP66 (Ex tb IIIC T...°C Db)

**Temperature class:**

see tables

**UE certificate:**

LCIE 05 ATEX 6163 X

**Zones of use:**

21, 22

## Weight covers

Standard in aluminium alloy, on request stainless steel weight cover in AISI 304 may be available. See also executions on page 14.

Split weight cover are available for many types, see MVSI-TS series.

## Painting / Surface coating

Electrostatic surface treatment based on epoxy polyester powder polymerised in oven at 200°C. Tested in salt spray for 500 hours.

On request on MVSI series other surface coatings may be available, see page 14.

Available also MVSS series with external components in stainless steel AISI 304, see page 40.

**Other mounting bolt patterns are available.**

**For further details please contact sales offices at Italtvibras.**

**The technical data and models listed in this catalogue are not binding. Italtvibras reserves the right to modify them without prior notice.**

## Certifications



Compliance with the applicable European Union directives.



Standard CAN/CSA – C22.2, N°.100-95, Certificate n° LR 100948  
Class 4211 01 - Motors and generators  
UL 1004-1 – Rotating Electrical Machines – General Requirements  
Class II Div.2, Groups FG (T3B)



II2D (2014/34/UE)  
Ex tD A21 T...°C IP66 (Ex tb IIIC T...°C Db)  
EN 60079-0  
EN 60079-31



Ex tD A21 T...°C IP66 (Ex tb IIIC T...°C Db)  
IEC 60079-0  
IEC 60079-31



Version MVSI-F available on request  
Class II Div.1, Groups EFG  
Standard CAN/CSA – C22.2, UL 1004-1



Version MVSI-C available on request  
Class I Div.2, Groups ABCD  
Standard CAN/CSA – C22.2



Certification for Eurasian Customs Union  
N° TC N RU Д-IT.АЛ33.В.02527  
N° TC RU C-IT.ГБ08.В.02190



KOSHA Korea  
Certificate n° 11-AVG BO-0359  
Ex td A21 IP66

## ■ MVSI



### Technical features

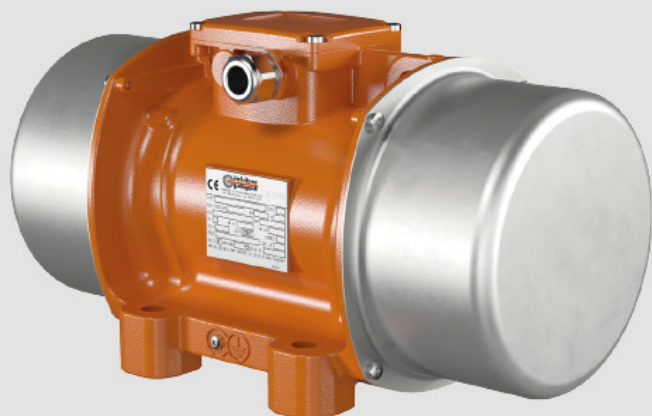
#### Standard painting

Electrostatic surface treatment for all external components based on polymerised epoxy polyester powder in oven at 200°C.

Good resistance versus corrosion in normal operating conditions.

Salt spray tested for 500 hours.

## ■ MVSI-S



### Technical features

Standard painting with weight covers in stainless steel.

Casing and terminal box cover with electrostatic surface treatment based on polymerised epoxy polyester powder in oven at 200°C.

Weight covers in stainless steel AISI 304.

Excellent resistance versus corrosion in normal operating conditions.

Salt spray tested for 500 hours.

## ■ MVSII-SI



### Technical features

#### STEEL IT polyurethane resin coating

Casing and terminal box cover have a special polyurethane resin coating with insertion of stainless steel leafing pigment AISI 316L.

Weight covers in stainless steel AISI 304.

All external hexagonal head screws are of stainless steel quality A2.

Coating is USDA approved for being used in the food sector where there is a high risk of accidental contact with processed food.

Salt spray tested for 500 hours.

Available for all models from all frame sizes.

## ■ MVSII-BR



### Technical features

#### Ball burnishing treatment

This treatment takes place without use of additional material and concerns the casing and the terminal box cover, while weight covers are in stainless steel AISI 304.

Such treatment gives to the surfaces a polished aspect with hydrophobic effect which consistently improves their resistance to corrosion.

Suitable for environments where any painting or other surface coating have to be avoided as subject to frequent cleaning and sanitation, particularly in the chemical, pharmaceutical and food sectors.

Available on aluminium alloy motor-vibrators, so up to frame size 60 included.

# MVSI-S add -S suffix to part number when ordering Vibrator



## 2 poles - 3.000/3.600 rpm

### Three-phase

DESCRIPTION					MECHANICAL SPECIFICATIONS								ELECTRICAL SPECIFICATIONS					
Code	Type	SIZE	Ex	II2D Temp. class	Static moment* kgmm		Centrifugal force kg				Weight kg		Max input power W		Max. current A		Ia/In	
					50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	400V 50Hz	460V 60Hz	50Hz	60Hz
600311	MVSI 3/100-S02	00	•	120°C	12,1	12,1	122	176	1,20	1,72	5,2	5,2	180	180	0,35	0,30	2,68	3,00
600312	MVSI 3/200-S02	01	•	120°C	20,2	16,2	203	234	1,99	2,29	5,8	5,5	180	180	0,35	0,30	2,68	3,00
600313	MVSI 3/300-S02	10	•	120°C	30,0	22,5	302	326	2,96	3,20	9,0	8,6	260	270	0,60	0,50	3,47	4,20
600314	MVSI 3/500-S02	20	•	120°C	58,0	34,8	584	504	5,72	4,94	14,3	13,3	450	500	0,80	0,75	4,21	4,80
600366	MVSI 3/700-S02	20	•	120°C	69,6	46,4	700	672	6,87	6,59	14,5	14,0	450	500	0,80	0,75	4,21	4,80
600381	MVSI 3/800-S02	30	•	120°C	74,5	55,9	750	810	7,35	7,94	19,6	19,0	650	685	1,10	1,00	3,83	6,00
600513	MVSI 3/1100-S02	35	•	120°C	110	73,0	1105	1057	10,8	10,4	24,0	23,0	1000	1200	1,75	1,75	3,63	4,00
600491	MVSI 3/1300-S08	AF33	•	-	128	91,6	1290	1327	12,7	13,0	27,0	25,7	1300	1350	2,10	1,90	3,96	4,98
600504	MVSI 3/1500-S08	AF33	•	-	146	110	1470	1595	14,4	15,6	25,3	24,0	1300	1350	2,10	1,90	3,96	4,98
600502	MVSI 3/1600-S02	50	•	-	153	102	1545	1483	15,2	14,5	32,0	30,5	1400	1450	2,30	2,00	4,95	6,12
600503	MVSI 3/1800-S02	50	•	-	179	128	1802	1853	17,7	18,2	33,0	31,5	2000	2000	3,30	2,90	4,33	5,50
600256	MVSI 3/2010-S90	AF50	•	135°C	205	128	2059	1853	20,2	18,2	48,7	46,3	2200	2200	3,50	3,00	4,62	6,00
600257	MVSI 3/2310-S90	AF50	•	135°C	230	153	2316	2224	22,7	21,8	49,6	47,1	2200	2200	3,50	3,00	4,62	6,00
600470	MVSI 3/3200-S02	AF70	•	-	344	215	3457	3112	33,9	30,5	94,0	90,0	4000	4000	6,50	5,60	4,46	5,18
600471	MVSI 3/4000-S02	AF70	•	-	387	258	3890	3735	38,2	36,6	96,0	92,0	4000	4000	6,50	5,60	4,46	5,18
600472	MVSI 3/5000-S02	AF70	•	-	515	344	5187	4979	50,9	48,8	109	105	5000	5000	7,60	6,90	5,54	7,10
600276	MVSI 3/6510-S02	90	•	135°C	630	443	6357	6420	62,4	63,0	184	178	5500	5500	9,20	8,00	6,45	7,20
600201	MVSI 3/9000-S90	95	-	-	895	619	9007	8970	88,4	88,0	215	210	10000	9300	18,0	13,0	4,39	5,23

### Single-phase

Code	Type	SIZE	Ex	II2D Temp. class	Static moment* kgmm		Centrifugal force kg				Weight kg		Max input power W		Max. current A		Ia/In	
					50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	220V 50Hz	115V 60Hz	50Hz	60Hz
600311	MVSI 3/100-S02	00	•	120°C	12,1	12,1	122	176	1,20	1,72	5,2	5,2	165	165	0,75	1,52	1,67	2,24
600312	MVSI 3/200-S02	01	•	120°C	20,2	16,2	203	234	1,99	2,29	5,8	5,5	165	165	0,75	1,52	1,67	2,24
600313	MVSI 3/300-S02	10	•	120°C	30,0	22,5	302	326	2,96	3,20	9,0	8,6	280	280	1,25	2,40	2,48	3,52
600314	MVSI 3/500-S02	20	•	120°C	58,0	34,8	584	504	5,72	4,94	14,3	13,3	500	500	2,30	4,50	3,35	4,22
600366	MVSI 3/700-S02	20	•	120°C	69,6	46,4	700	672	6,87	6,59	14,5	14,0	500	500	2,30	4,50	3,35	4,22
600381	MVSI 3/800-S02	30	•	120°C	74,5	55,9	750	810	7,35	7,94	19,6	19,0	700	750	3,25	7,00	4,00	4,14

\* Working moment = 2 x static moment.

# MVSI-S add -S suffix to part number when ordering Vibrator

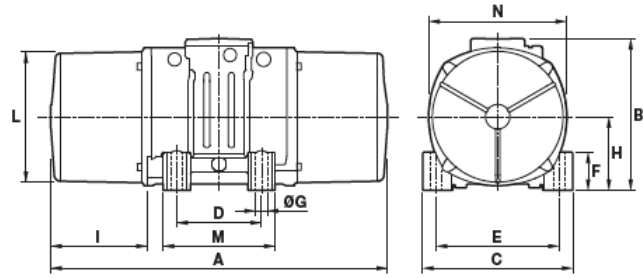


Fig. A

### DIMENSIONAL SPECIFICATIONS (mm)

Type	Fig.	A	B	C	D	E	Holes		F	H	I	L	M	N	Capacitor (µF)		Cable entry thread
							ØG	N°							220V 50Hz	115V 60Hz	
MVSI 3/100-S02	A	211	150	125	62-74**	106	9	4	22	61	46	103	98	117	-	-	M20x1,5
MVSI 3/200-S02	A	235	150	125	62-74**	106	9	4	22	61	58	103	98	117	-	-	M20x1,5
MVSI 3/300-S02	A	255	171	152	90	125	13	4	28	73	54	127	128	141	-	-	M20x1,5
MVSI 3/500-S02	A	288	203	167	105	140	13	4	30	82,5	65	145	146	160	-	-	M25x1,5
MVSI 3/700-S02	A	288	203	167	105	140	13	4	30	82,5	65	145	146	160	-	-	M25x1,5
MVSI 3/800-S02	A	308	211	205	120	170	17	4	45	93,5	63	170	174	182	-	-	M25x1,5
MVSI 3/1100-S02	A	435	224	205	120	170	17	4	42	104,5	117,5	187	162	203	-	-	M25x1,5
MVSI 3/1300-S08	A	375	217	215	100	180	17	4	47	93,5	106	170	145	182	-	-	M25x1,5
MVSI 3/1500-S08	A	375	217	215	100	180	17	4	47	93,5	106	170	145	182	-	-	M25x1,5
MVSI 3/1600-S02	A	430	244	230	140	190	17	4	45	116	99	207	190	225	-	-	M25x1,5
MVSI 3/1800-S02	A	430	244	230	140	190	17	4	45	116	99	207	190	225	-	-	M25x1,5
MVSI 3/2010-S90	A	458	232	230	140	190	17	4	49	104	101,5	183	180	200	-	-	M25x1,5
MVSI 3/2310-S90	A	458	232	230	140	190	17	4	49	104	101,5	183	180	200	-	-	M25x1,5
MVSI 3/3200-S02	A	560	290	310	155	255	25	4	90	130	137	238	210	253	-	-	M25x1,5
MVSI 3/4000-S02	A	560	290	310	155	255	25	4	90	130	137	238	210	253	-	-	M25x1,5
MVSI 3/5000-S02	A	560	290	310	155	255	25	4	90	130	137	238	210	253	-	-	M25x1,5
MVSI 3/6510-S02	A	680	370	390	200	320	28	4	90	180	160	330	270	350	-	-	M32x1,5
MVSI 3/9000-S90	A	629	395	392	200	320	28	4	100	192	135	355	270	375	-	-	M32x1,5

Type	Fig.	A	B	C	D	E	Holes		F	H	I	L	M	N	Capacitor (µF)		Cable entry thread
							ØG	N°							220V 50Hz	115V 60Hz	
MVSI 3/100-S02	A	211	150	125	62-74**	106	9	4	22	61	46	103	98	117	10	28	M20x1,5
MVSI 3/200-S02	A	235	150	125	62-74**	106	9	4	22	61	58	103	98	117	10	35	M20x1,5
MVSI 3/300-S02	A	255	171	152	90	125	13	4	28	73	54	127	128	141	16	25	M20x1,5
MVSI 3/500-S02	A	288	203	167	105	140	13	4	30	82,5	65	145	146	160	12,5	50	M25x1,5
MVSI 3/700-S02	A	288	203	167	105	140	13	4	30	82,5	65	145	146	160	12,5	-	M25x1,5
MVSI 3/800-S02	A	308	211	205	120	170	17	4	45	93,5	63	170	174	182	25	90	M25x1,5

la/ln = ratio between start-up current and maximum current. \*\* Slot.  
Several sizes are available with different mounting bolt patterns. Please contact sales office at Italtibras.

# MVSI-S add -S suffix to part number when ordering Vibrator



## 4 poles - 1.500/1.800 rpm

### Three-phase

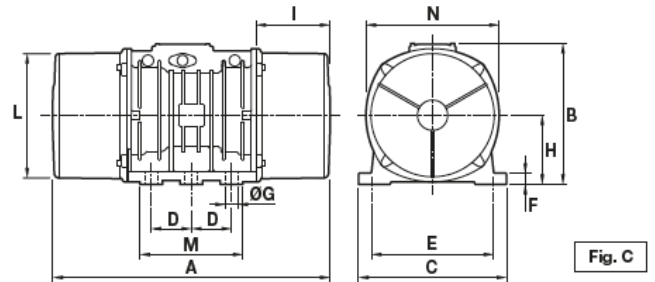
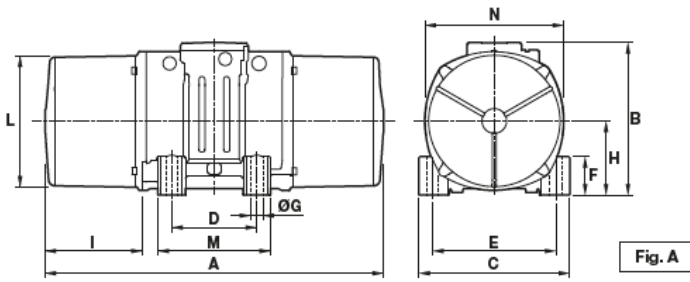
DESCRIPTION				MECHANICAL SPECIFICATIONS								ELECTRICAL SPECIFICATIONS					
Code	Type	SIZE	Ex IIC Temp. class	Static moment* kgmm		Centrifugal force kg kN				Weight kg		Max input power W		Max. current A		Ia/In	
				50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	400V 50Hz	460V 60Hz	50Hz	60Hz
601340	MVSI 15/35-S02	00	• 120°C	12,1	12,1	30,5	43,9	0,30	0,43	5,2	5,2	85	95	0,21	0,20	1,78	1,95
601341	MVSI 15/80-S02	01	• 120°C	32,3	20,2	81,2	73,2	0,80	0,72	6,2	5,8	85	95	0,21	0,20	1,78	1,95
601366	MVSI 15/100-S02	01	• 120°C	37,9	32,3	95,3	117	0,93	1,15	6,6	6,2	85	95	0,21	0,20	1,78	1,95
601367	MVSI 15/200-S02	10	• 120°C	84,2	58,8	213	214	2,09	2,10	11,7	10,7	170	170	0,41	0,40	2,34	2,75
601372	MVSI 15/400-S02	20	• 120°C	163	113	412	411	4,04	4,03	18,5	16,5	300	350	0,60	0,60	3,33	3,50
601373	MVSI 15/550-S02	20	• 120°C	219	163	552	592	5,42	5,81	20,7	18,5	300	350	0,60	0,60	3,33	3,50
601408	MVSI 15/700-S02	30	• 120°C	286	209	720	760	7,06	7,46	26,2	24,5	525	665	0,92	0,98	3,48	4,43
601513	MVSI 15/900-S02	30	• 120°C	357	286	900	1037	8,83	10,2	29,0	26,2	525	665	0,92	0,98	3,48	3,43
601524	MVSI 15/1100-S02	35	• 120°C	415	271	1045	982	10,3	9,63	32,5	30,5	550	680	0,95	0,95	4,45	4,89
601217	MVSI 15/1410-S02	40	• 120°C	561	400	1413	1449	13,9	14,2	41,2	37,5	900	1050	1,45	1,50	4,10	4,20
601219	MVSI 15/1710-S02	50	• 135°C	715	485	1798	1757	17,6	17,2	47,8	42,5	1100	1200	2,00	1,90	4,29	4,89
601267	MVSI 15/2000-S02	50	• 135°C	817	561	2054	2033	20,1	19,9	50,5	44,5	1350	1450	2,50	2,30	4,30	4,90
601220	MVSI 15/2410-S08	60	• 150°C	962	674	2420	2444	23,7	24,0	70,0	63,5	1600	1700	3,20	3,00	6,09	7,23
601268	MVSI 15/3000-S08	60	• 135°C	1235	858	3106	3107	30,5	30,5	80,0	71,0	1900	2000	3,80	3,50	6,50	7,50
601221	MVSI 15/3810-S02	70	• 135°C	1526	1034	3840	3744	37,7	36,7	119	110	2200	2500	3,90	3,90	7,11	6,92
601269	MVSI 15/4300-S02	70	• 135°C	1720	1173	4326	4250	42,4	41,7	123	117	2500	2800	4,80	4,65	5,90	7,10
601211	MVSI 15/5010-S02	80	• 135°C	1990	1364	5007	4941	49,1	48,5	161	153	3600	3400	6,00	5,00	7,02	8,00
601447	MVSI 15/6000-S02	80	• 135°C	2248	1677	5654	6075	55,5	59,6	164	155	3600	3400	6,00	5,00	7,02	8,00
601165	MVSI 15/7000-S02	90	• 135°C	2598	1822	6536	6600	64,1	64,7	208	195	6000	6000	10,5	9,00	6,48	7,67
601166	MVSI 15/9000-S90	95	□ 135°C	3260	2260	8199	8183	80,4	80,3	225	210	7000	8000	11,6	11,5	5,43	5,57
601204	MVSI 15/9500-S02	97	□ 135°C	3346	2462	8416	8916	82,6	87,5	306	292	7500	8500	12,2	12,0	6,56	6,67
601205	MVSI 15/11500-S02	100	□ 135°C	4544	3166	11430	11467	113	112	430	411	10000	10500	17,5	15,5	7,03	8,00
601271	MVSI 15/14500-S02	100	□ 135°C	5614	4126	14120	14940	138	147	458	424	11000	12000	20,0	20,0	8,00	8,00

### Single-phase

Code	Type	SIZE	Ex IIC Temp. class	Static moment* kgmm		Centrifugal force kg kN				Weight kg		Max input power W		Max. current A		Ia/In	
				50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	220V 50Hz	115V 60Hz	50Hz	60Hz
601340	MVSI 15/35-S02	00	• 120°C	12,1	12,1	30,5	43,9	0,30	0,43	5,2	5,2	90	100	0,43	1,00	1,20	1,30
601341	MVSI 15/80-S02	01	• 120°C	32,3	20,2	81,2	73,2	0,80	0,72	6,2	5,8	90	100	0,43	1,00	1,20	1,30
601366	MVSI 15/100-S02	01	• 120°C	37,9	32,3	95,3	117	0,93	1,15	6,6	6,2	90	100	0,43	1,00	1,20	1,30
601367	MVSI 15/200-S02	10	• 120°C	84,2	58,8	213	214	2,09	2,10	11,7	10,7	210	230	1,00	2,00	1,50	1,85
601372	MVSI 15/400-S02	20	• 120°C	163	113	412	411	4,04	4,03	18,5	16,5	240	320	1,20	2,80	2,50	2,21
601373	MVSI 15/550-S02	20	• 120°C	219	163	552	592	5,42	5,81	20,7	18,5	240	320	1,20	2,80	2,50	2,21
601408	MVSI 15/700-S02	30	• 120°C	286	209	720	760	7,06	7,46	26,2	24,5	450	550	2,15	5,15	5,44	3,63

\* Working moment = 2 x static moment. □ CSA certification on request, with feeding line included.

# MVSI-S add -S suffix to part number when ordering Vibrator



## DIMENSIONAL SPECIFICATIONS (mm)

Type	Fig.	A	B	C	D	E	Holes		F	H	I	L	M	N	Capacitor (µF)		Cable entry thread
							ØG	N°							220V 50Hz	115V 60Hz	
MVSI 15/35-S02	A	211	150	125	62-74**	106	9	4	22	61	46	103	98	117	-	-	M20x1,5
MVSI 15/80-S02	A	249	150	125	62-74**	106	9	4	22	61	65	103	98	117	-	-	M20x1,5
MVSI 15/100-S02	A	249	150	125	62-74**	106	9	4	22	61	65	103	98	117	-	-	M20x1,5
MVSI 15/200-S02	A	301	171	152	90	125	13	4	28	73	77	127	128	141	-	-	M20x1,5
MVSI 15/400-S02	A	344	203	167	105	140	13	4	30	82,5	93	145	146	160	-	-	M25x1,5
MVSI 15/550-S02	A	386	203	167	105	140	13	4	30	82,5	114	145	146	160	-	-	M25x1,5
MVSI 15/700-S02	A	394	211	205	120	170	17	4	45	93,5	106	170	174	182	-	-	M25x1,5
MVSI 15/900-S02	A	394	211	205	120	170	17	4	45	93,5	106	170	174	182	-	-	M25x1,5
MVSI 15/1100-S02	A	435	224	205	120	170	17	4	42	104,5	117,5	187	162	203	-	-	M25x1,5
MVSI 15/1410-S02	A	448	244	230	140	190	17	4	45	116	108	207	190	225	-	-	M25x1,5
MVSI 15/1710-S02	A	500	244	230	140	190	17	4	45	116	134	207	190	225	-	-	M25x1,5
MVSI 15/2000-S02	A	574(50Hz) 500(60Hz)	244	230	140	190	17	4	45	116	171(50Hz) 134(60Hz)	207	190	225	-	-	M25x1,5
MVSI 15/2410-S08	A	537	272	275	155	225	22	4	70	130	137	238	210	253	-	-	M25x1,5
MVSI 15/3000-S08	A	617	272	275	155	225	22	4	70	130	177	238	210	253	-	-	M25x1,5
MVSI 15/3810-S02	A	584	321	310	155	255	23,5	4	77	157	137	277	215	295	-	-	M25x1,5
MVSI 15/4300-S02	A	666(50Hz) 584(60Hz)	321	310	155	255	23,5	4	77	157	178(50Hz) 137(60Hz)	277	215	295	-	-	M25x1,5
MVSI 15/5010-S02	A	630	347	340	180	280	26	4	80	165	150	303	240	320	-	-	M32x1,5
MVSI 15/6000-S02	A	630	347	340	180	280	26	4	80	165	150	303	240	320	-	-	M32x1,5
MVSI 15/7000-S02	A	680	370	390	200	320	28	4	90	180	160	330	270	350	-	-	M32x1,5
MVSI 15/9000-S90	A	629	395	392	200	320	28	4	100	192	134,5	355	270	375	-	-	M32x1,5
MVSI 15/9500-S02	C	862	437	460	125	380	39	6	35	215	230	387	320	414	-	-	M32x1,5
MVSI 15/11500-S90	C	990	454	530	140	440	45	6	38	230	240	423	370	448	-	-	M32x1,5
MVSI 15/14500-S90	C	990	454	530	140	440	45	6	38	230	240	423	370	448	-	-	M32x1,5

Type	Fig.	A	B	C	D	E	Holes		F	H	I	L	M	N	Capacitor (µF)		Cable entry thread
							ØG	N°							220V 50Hz	115V 60Hz	
MVSI 15/35-S02	A	211	150	125	62-74**	106	9	4	22	61	46	103	98	117	3,15	25	M20x1,5
MVSI 15/80-S02	A	249	150	125	62-74**	106	9	4	22	61	65	103	98	117	3,15	25	M20x1,5
MVSI 15/100-S02	A	249	150	125	62-74**	106	9	4	22	61	65	103	98	117	3,15	25	M20x1,5
MVSI 15/200-S02	A	301	171	152	90	125	13	4	28	73	77	127	128	141	5	25	M20x1,5
MVSI 15/400-S02	A	344	203	167	105	140	13	4	30	82,5	93	145	146	160	120 +20●	35	M25x1,5
MVSI 15/550-S02	A	386	203	167	105	140	13	4	30	82,5	114	145	146	160	120 +20●	35 +10●	M25x1,5
MVSI 15/700-S02	A	394	211	205	120	170	17	4	45	93,5	106	170	174	182	160 +80●	40 +120●	M25x1,5

Ia/I<sub>n</sub> = ratio between start-up current and maximum current. \*\* Slot. ○ Running capacitor / ● Additional capacitor only for start-up.  
Several sizes are available with different mounting bolt patterns. Please contact sales office at Italtibras.

# MVSI-S add -S suffix to part number when ordering Vibrator



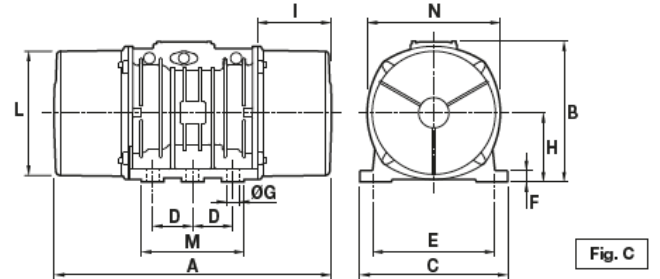
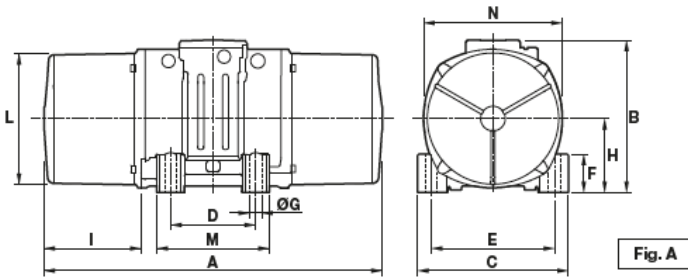
## 6 poles - 1.000/1.200 rpm

### Three-phase

DESCRIPTION				MECHANICAL SPECIFICATIONS								ELECTRICAL SPECIFICATIONS					
Code	Type	SIZE	Ex IIBD Temp. class	Static moment* kgmm		Centrifugal force kg				Weight kg		Max input power W		Max. current A		Ia/In	
				50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	400V 50Hz	460V 60Hz	50Hz	60Hz
602296	MVSI 10/40-S02	10	• 120°C	30,0	30,0	33,5	48,3	0,33	0,47	9,0	9,0	120	135	0,30	0,30	1,90	2,07
602297	MVSI 10/100-S02	10	• 120°C	84,2	84,2	94,3	136	0,93	1,33	11,9	11,9	120	135	0,30	0,30	1,90	2,07
602298	MVSI 10/200-S02	20	• 120°C	163	163	183	264	1,80	2,59	18,1	18,1	185	205	0,50	0,50	2,72	3,10
602314	MVSI 10/310-S02	30	• 120°C	286	209	321	338	3,15	3,32	25,7	24,0	350	380	0,72	0,68	2,63	2,79
602241	MVSI 10/400-S02	30	• 120°C	357	357	400	576	3,93	5,65	29,0	29,0	350	380	0,72	0,68	2,63	2,79
602402	MVSI 10/550-S02	35	• 120°C	457	457	512	737	5,02	7,23	32,6	32,6	350	380	0,75	0,68	2,53	3,68
602403	MVSI 10/650-S02	35	• -	580	457	650	737	6,37	7,23	35,5	32,6	350	380	0,95	0,88	3,16	3,86
602380	MVSI 10/810-S08	40	• 135°C	723	561	809	905	7,94	8,88	44,0	40,0	680	760	1,40	1,35	2,79	3,33
602381	MVSI 10/1110-S08	50	• 135°C	1012	715	1132	1151	11,1	11,3	55,8	48,8	750	750	1,65	1,50	3,33	4,13
602382	MVSI 10/1400-S08	50	• 135°C	1274	921	1424	1483	14,0	14,5	63,0	55,5	950	1000	1,80	1,70	3,05	3,65
602406	MVSI 10/1610-S08	60	• 135°C	1464	962	1638	1549	16,1	15,2	80,0	70,0	1100	1300	2,20	2,20	4,21	4,05
602407	MVSI 10/2100-S08	60	• 135°C	1927	1318	2154	2102	21,1	20,6	92,0	82,0	1500	1770	3,00	2,75	3,42	4,00
602167	MVSI 10/2610-S02	70	• 135°C	2326	1720	2601	2747	25,5	26,9	130	116	1960	2100	4,10	3,75	5,35	5,60
602230	MVSI 10/3000-S02	70	• 135°C	2690	1940	3007	3124	29,5	30,6	145	130	2200	2400	4,50	4,30	4,35	4,81
602154	MVSI 10/3810-S02	80	• 135°C	3422	2380	3826	3831	37,5	37,6	188	170	2500	3000	5,10	5,00	5,91	6,00
602204	MVSI 10/4700-S02	80	• 135°C	4206	2887	4701	4648	46,1	46,0	204	183	3200	3600	6,50	6,00	5,24	5,50
602350	MVSI 10/5150-S02	80	• 135°C	4678	3230	5230	5200	51,3	51,0	225	200	3200	3600	6,50	6,00	5,24	5,50
602138	MVSI 10/5200-S02	90	• 135°C	4658	3288	5208	5293	51,1	51,9	238	215	3800	4000	7,00	6,50	4,71	5,08
602351	MVSI 10/5700-S02	90	• 135°C	5044	3478	5650	5600	55,4	54,9	240	220	3800	4000	7,00	6,50	4,71	5,08
602091	MVSI 10/6500-S02	90	• 135°C	5838	4055	6527	6529	64,0	64,0	268	258	4300	5000	8,20	8,10	4,51	5,83
602136	MVSI 10/6600-S02 Δ	97	• 135°C	6083	3979	6799	6405	66,7	62,8	308	280	5000	5900	10,0	9,80	5,61	5,82
602352	MVSI 10/7000-S02	90	• 135°C	6272	4348	7013	7000	68,8	68,7	275	263	4300	5000	8,20	8,10	4,51	5,83
602092	MVSI 10/8000-S90	95	□ 135°C	7197	4967	8046	7996	78,9	78,4	315	277	7000	7500	12,6	11,3	4,59	5,58
602093	MVSI 10/9000-S90	95	□ 135°C	7752	5385	8666	8669	85,0	85,0	326	289	7500	8200	14,0	12,9	4,13	4,88
602137	MVSI 10/10000-S02	97	□ 135°C	8673	5664	9695	9117	95,1	89,4	372	332	7600	8000	13,5	12,4	4,72	4,92
602349	MVSI 10/11200-S02	97	□ 135°C	9983	6896	11160	11100	109	109	398	358	7600	8000	13,5	12,4	4,72	4,92
602134	MVSI 10/12000-S90 Δ	100	□ 135°C	10996	7543	12294	12141	119	119	500	445	9000	9500	16,3	15,0	5,21	5,73
602227	MVSI 10/13000-S02	97	□ 135°C	11510	8158	12867	13130	126	129	445	395	9600	10000	17,0	16,0	4,98	5,00
602142	MVSI 10/15000-S02	105	□ -	12662	8700	14155	14004	139	137	643	605	10600	11270	19,0	18,0	5,88	5,78
602143	MVSI 10/17500-S02	105	□ -	15500	10439	17327	16804	170	165	691	642	13000	13700	24,5	23,0	5,71	5,96
602244	MVSI 10/19500-S02	105	□ -	17947	11430	20062	18400	197	181	717	650	13000	13700	24,5	23,0	5,71	5,96
602144	MVSI 10/22000-S90	110	□ -	20025	12533	22386	20208	220	198	926	896	19000	19000	33,0	25,5	4,67	5,88
602273	MVSI 10/25000-S90	110	□ -	22364	14785	25000	23800	245	233	960	928	19000	19000	33,0	25,5	4,67	5,88
602336	MVSI 10/30000-S02	120	-	27285	18760	30560	30200	300	296	1200	1050	24000	25800	40,0	38,0	4,89	5,39

\* Working moment = 2 x static moment.    Δ For special application.    □ CSA certification on request, with feeding line included.

# MVSI-S add -S suffix to part number when ordering Vibrator

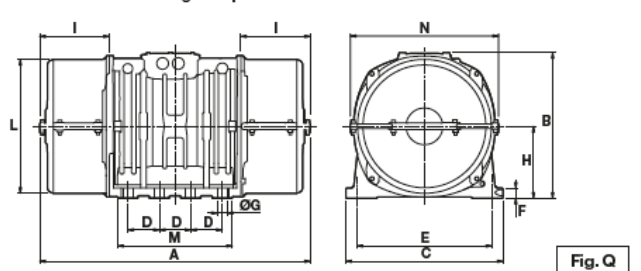
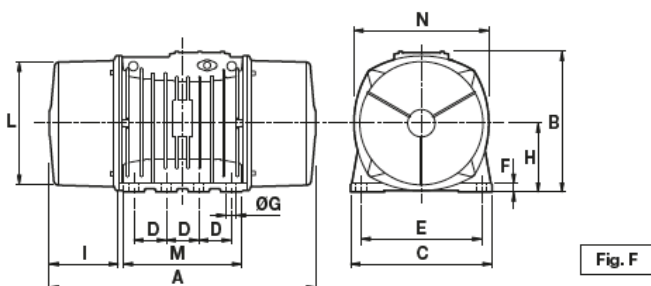


## DIMENSIONAL SPECIFICATIONS (mm)

Type	Fig.	A	B	C	D	E	Holes		F	H	I	L	M	N	Cable entry thread
							ØG	N°							
MVSI 10/40-S02	A	255	171	152	90	125	13	4	28	73,0	54,0	127	128	141	M20X1,5
MVSI 10/100-S02	A	301	171	152	90	125	13	4	28	73,0	77,0	127	128	141	M20X1,5
MVSI 10/200-S02	A	344	203	167	105	140	13	4	30	82,5	93,0	145	146	160	M25X1,5
MVSI 10/310-S02	A	394	211	205	120	170	17	4	45	93,5	106	170	174	182	M25X1,5
MVSI 10/400-S02	A	394	211	205	120	170	17	4	45	93,5	106	170	174	182	M25X1,5
MVSI 10/550-S02	A	435	224	205	120	170	17	4	42	104,5	117,5	187	162	203	M25X1,5
MVSI 10/650-S02	A	480(50Hz) 435(60Hz)	224	205	120	170	17	4	42	104,5	140(50Hz) 117,5(60Hz)	187	162	203	M25X1,5
MVSI 10/810-S08	A	500(50Hz) 448(60Hz)	244	230	140	190	17	4	45	116	134(50Hz) 108(60Hz)	207	190	225	M25X1,5
MVSI 10/1110-S08	A	574	244	230	140	190	17	4	45	116	171	207	190	225	M25X1,5
MVSI 10/1400-S08	A	620(50Hz) 574(60Hz)	244	230	140	190	17	4	45	116	194(50Hz) 171(60Hz)	207	190	225	M25X1,5
MVSI 10/1610-S08	A	617(50Hz) 537(60Hz)	272	275	155	225	22	4	70	130	177(50Hz) 137(60Hz)	238	210	253	M25X1,5
MVSI 10/2100-S08	A	663(50Hz) 617(60Hz)	272	275	155	225	22	4	70	130	200(50Hz) 177(60Hz)	238	210	253	M25X1,5
MVSI 10/2610-S02	A	666	321	310	155	255	23,5	4	77	157	178	277	215	295	M25X1,5
MVSI 10/3000-S02	A	712	321	310	155	255	23,5	4	77	157	201	277	215	295	M25X1,5
MVSI 10/3810-S02	A	734	347	340	180	280	26	4	80	165	202	303	240	320	M32X1,5
MVSI 10/4700-S02	A	796	347	340	180	280	26	4	80	165	233	303	240	320	M32X1,5
MVSI 10/5150-S02	A	826	347	340	180	280	26	4	80	165	248	303	240	320	M32X1,5
MVSI 10/5200-S02	A	744	370	390	200	320	28	4	90	180	192	330	270	350	M32X1,5
MVSI 10/5700-S02	A	840	370	390	200	320	28	4	90	180	240	330	270	350	M32X1,5
MVSI 10/6500-S02	A	840	370	390	200	320	28	4	90	180	240	330	270	350	M32X1,5
MVSI 10/6600-S02	C	750	437	460	125	380	39	6	35	215	174	387	320	414	M32X1,5
MVSI 10/7000-S02	A	840	370	390	200	320	28	4	90	180	240	330	270	350	M32X1,5
MVSI 10/8000-S90	A	870	395	392	200	320	28	4	100	192	255	355	270	375	M32X1,5
MVSI 10/9000-S90	A	870	395	392	200	320	28	4	100	192	255	355	270	375	M32X1,5
MVSI 10/10000-S02	C	862	437	460	125	380	39	6	35	215	230	387	320	414	M32X1,5
MVSI 10/11200-S02	C	912	437	460	125	380	39	6	35	215	255	387	320	414	M32X1,5
MVSI 10/12000-S90	C	990	454	530	140	440	45	6	38	230	240	423	370	448	M32X1,5
MVSI 10/13000-S02	C	1002	437	460	125	380	39	6	35	215	300	387	320	414	M32X1,5
MVSI 10/15000-S02	F	960	526	570	140	480	45	8	41	268	200	486	510	516	M32X1,5
MVSI 10/17500-S02	F	1040	526	570	140	480	45	8	41	268	240	486	510	516	M32X1,5
MVSI 10/19500-S02	F	1120(50Hz) 1040(60Hz)	526	570	140	480	45	8	41	268	280(50Hz) 240(60Hz)	486	510	516	M32X1,5
MVSI 10/22000-S90	F	1150	607	610	140	520	45	8	38	297	298	542	510	582	M32X1,5
MVSI 10/25000-S90	F	1150	607	610	140	520	45	8	38	297	298	542	510	582	M32X1,5
MVSI 10/30000-S02	Q	1205	648	700	140	600	45	8	45	320	310	600	510	660	M32X1,5

la/ln = ratio between start-up current and maximum current.

Several sizes are available with different mounting bolt patterns. Please contact sales office at Italvibras.



# MVSI-S add -S suffix to part number when ordering Vibrator



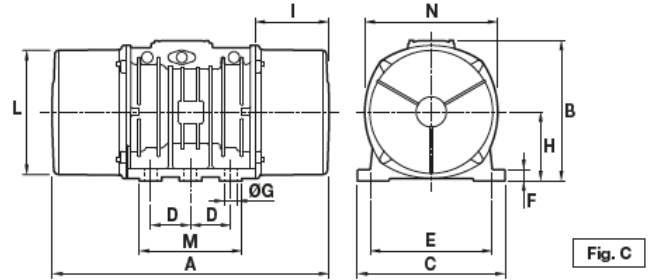
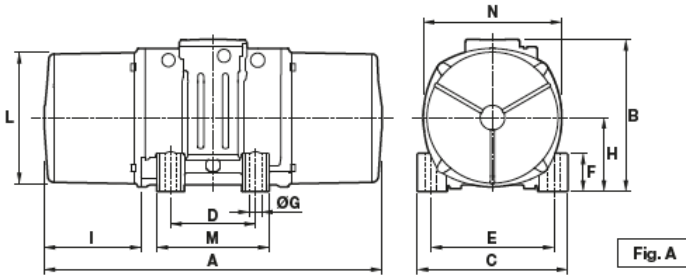
## 8 poles - 750/900 rpm

### Three-phase

DESCRIPTION				MECHANICAL SPECIFICATIONS								ELECTRICAL SPECIFICATIONS					
Code	Type	SIZE		Static moment* kgmm		Centrifugal force kg				Weight kg		Max input power W		Max. current A		Ia/In	
				50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	400V 50Hz	460V 60Hz	50Hz	60Hz
602568	MVSI 075/150-S02	20	• 130°C	163	163	104	149	1,02	1,46	18,1	18,1	230	250	0,85	0,76	2,13	2,11
602575	MVSI 075/250-S02	30	• 130°C	286	286	181	260	1,76	2,55	26,2	26,2	350	380	1,10	1,05	2,03	2,29
602615	MVSI 075/400-S02	35	• -	457	457	288	415	2,83	4,07	32,6	32,6	375	410	0,81	0,80	2,22	2,38
602616	MVSI 075/530-S02	35	• -	580	580	365	528	3,60	5,20	36,0	36,0	375	410	0,81	0,80	2,22	2,38
602609	MVSI 075/660-S08	40	• 120°C	723	723	456	656	4,47	6,44	44,0	44,0	400	450	1,20	1,20	2,38	2,58
602610	MVSI 075/910-S08	50	• 120°C	1012	1012	637	917	6,25	9,00	55,8	55,8	400	500	1,40	1,30	2,38	2,85
602618	MVSI 075/1310-S08	60	• 150°C	1464	1464	922	1327	9,04	13,0	80,0	80,0	950	1100	2,20	2,20	2,63	3,41
602619	MVSI 075/1750-S08	60	• 135°C	1927	1927	1214	1747	11,9	17,1	92,0	92,0	1100	1300	2,60	2,26	2,78	3,04
602891	MVSI 075/2110-S02	70	• 135°C	2326	2326	1463	2107	14,4	20,7	130	130	1500	1790	4,10	4,20	3,55	2,95
602884	MVSI 075/3110-S02	80	• 135°C	3422	3422	2152	3099	21,1	30,4	188	188	2000	2300	5,40	5,20	3,98	4,62
602515	MVSI 075/3800-S02	80	• 135°C	4206	4206	2645	3808	25,9	37,4	204	204	2500	3000	6,00	6,00	4,00	4,20
602862	MVSI 075/4200-S02	90	• 135°C	4658	4658	2930	4218	28,7	41,4	238	238	2800	3350	6,50	6,50	3,84	4,00
602826	MVSI 075/5300-S02	90	• 135°C	5838	5838	3672	5287	36,0	51,9	268	268	4000	4300	8,20	7,85	3,87	5,35
602827	MVSI 075/6500-S90	95	□ 135°C	7197	7197	4526	6517	44,4	63,9	315	315	4900	5800	9,90	9,50	3,04	3,26
602551	MVSI 075/6800-S02 Δ	97	□ 135°C	7340	7340	4616	6647	45,3	65,2	328	328	5600	6000	10,5	10,0	3,12	3,30
602870	MVSI 075/10000-S02	97	□ 135°C	12390	10973	7792	9937	76,4	97,5	438	419	6800	7450	13,2	12,0	3,33	3,92
602863	MVSI 075/12000-S90	100	□ 135°C	13816	12407	8689	11235	85,2	110	540	520	7600	8300	14,0	13,5	3,72	3,78
602871	MVSI 075/14000-S02	105	□ -	17946	15500	11285	14036	111	138	702	680	9200	9600	21,0	19,5	4,99	5,44
602872	MVSI 075/17000-S02	105	□ -	21337	19064	13418	17263	132	169	755	711	10400	11140	22,0	20,0	5,50	5,90
602873	MVSI 075/22000-S90	110	□ -	28633	24508	18005	22192	177	218	1015	981	12500	16200	26,5	28,0	5,63	4,71
602535	MVSI 075/26000-S90	110	□ -	-	28633	-	25927	-	254	-	1015	-	16200	-	28,0	-	4,71
602589	MVSI 075/30000-S02	120	□ -	47465	33440	29845	30280	293	297	1400	1280	24400	-	43,0	-	6,00	-

\* Working moment = 2 x static moment.    Δ For special application.    □ CSA certification on request, with feeding line included.

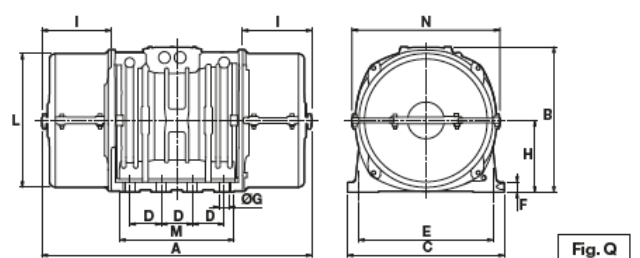
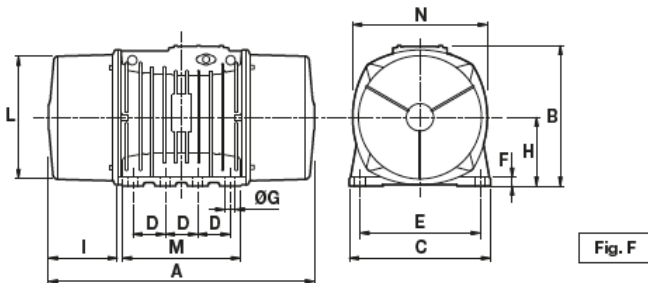
# MVSI-S add -S suffix to part number when ordering Vibrator



## DIMENSIONAL SPECIFICATIONS (mm)

Type	Fig.	A	B	C	D	E	Holes		F	H	I	L	M	N	Cable entry thread
							ØG	N°							
MVSI 075/150-S02	A	344	203	167	105	140	13	4	30	82,5	93	145	146	160	M25X1,5
MVSI 075/250-S02	A	394	211	205	120	170	17	4	45	93,5	106	170	174	182	M25X1,5
MVSI 075/400-S02	A	435	224	205	120	170	17	4	42	104,5	117,5	187	162	203	M25X1,5
MVSI 075/530-S02	A	480	224	205	120	170	17	4	42	104,5	140	187	162	203	M25X1,5
MVSI 075/660-S08	A	500	244	230	140	190	17	4	45	116	134	207	190	225	M25X1,5
MVSI 075/910-S08	A	574	244	230	140	190	17	4	45	116	171	207	190	225	M25X1,5
MVSI 075/1310-S08	A	617	272	275	155	225	22	4	70	130	177	238	210	253	M25X1,5
MVSI 075/1750-S08	A	663	272	275	155	225	22	4	70	130	200	238	210	253	M25X1,5
MVSI 075/2110-S02	A	666	321	310	155	255	23,5	4	77	157	178	277	215	295	M25X1,5
MVSI 075/3110-S02	A	734	347	340	180	280	26	4	80	165	202	303	240	320	M32X1,5
MVSI 075/3800-S02	A	796	347	340	180	280	26	4	80	165	233	303	240	320	M32X1,5
MVSI 075/4200-S02	A	744	370	390	200	320	28	4	90	180	192	330	270	350	M32X1,5
MVSI 075/5300-S02	A	840	370	390	200	320	28	4	90	180	240	330	270	350	M32X1,5
MVSI 075/6500-S90	A	870	395	392	200	320	28	4	100	192	255	355	270	375	M32X1,5
MVSI 075/6800-S02 Δ	C	862	437	460	125	380	39	6	35	215	230	387	320	414	M32X1,5
MVSI 075/10000-S02	C	1002	437	460	125	380	39	6	35	215	300	387	320	414	M32X1,5
MVSI 075/12000-S90	C	1070	454	530	140	440	45	6	38	230	280	423	370	448	M32X1,5
MVSI 075/14000-S02	F	1040	526	570	140	480	45	8	41	268	240	486	510	516	M32X1,5
MVSI 075/17000-S02	F	1120	526	570	140	480	45	8	41	268	280	486	510	516	M32X1,5
MVSI 075/22000-S90	F	1150	607	610	140	520	45	8	38	297	298	542	510	582	M32X1,5
MVSI 075/26000-S90	F	1150	607	610	140	520	45	8	38	297	298	542	510	582	M32X1,5
MVSI 075/30000-S02	Q	1325	649	700	140	600	45	8	45	320	370	600	510	660	M32X1,5

$I_a/I_n$  = ratio between start-up current and maximum current.  
Several sizes are available with different mounting bolt patterns. Please contact sales office at Italtibras.



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