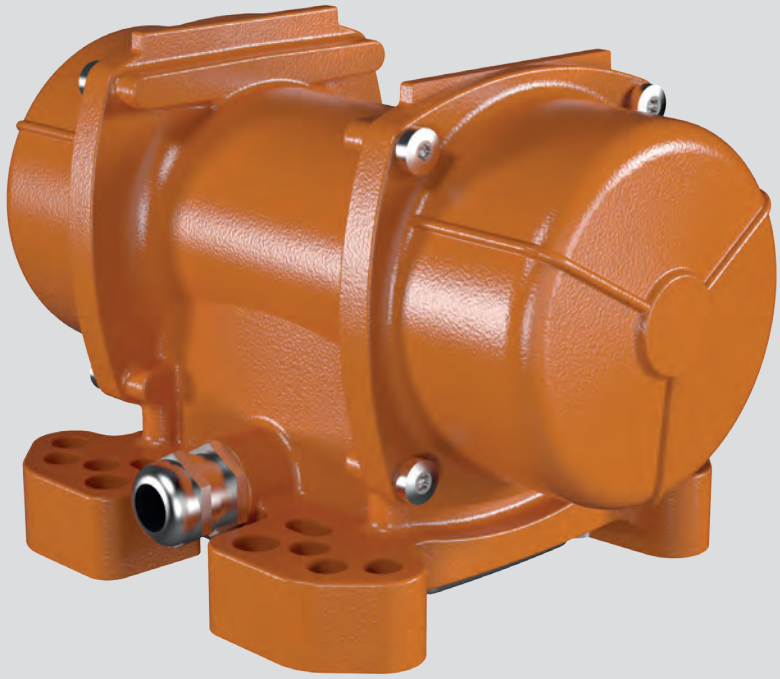
MVCC



Technical features

Power supply
In direct current at 12 or 24V.

Conformity with Standards and Regulations
Electromagnetic Compatibility Directive 2014/30/UE; EN 61000-6-2, EN 61000-6-4, EN 13309, EN 60034-1.

Functioning
Continuous (S1) or intermittent duty at maximum declared centrifugal force and electric power.

Centrifugal force
Range extended up to 1520 kgf. (14,9 kN), with centrifugal force adjustable by varyiing weights position.

Mechanical protection
IP 66 according to IEC/EN 60529.

Protection against mechanical impacts
IK 08 according to IEC/EN 62262.

Ambient temperature
From -20°C to +40°C.

Fixing of the vibrator
In all positions and therefore without restriction.

Lubrication
Sealed ball bearings, lubricated “for life”.

Terminal box
On MF models it’s positioned underneath the vibrator, on the same side as the fixing base.

Electric motor
For models 3/100 and 3/200, but in extension to the larger sizes, asynchronous three-phase type with vacuum insulated winding supplied in direct current through an electronic card included in the vibrator.

Casing
In high-tensile aluminium alloy.

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

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

Eccentric weights
Enable continuous adjustment of the centrifugal force.

Weight covers
In alluminum alloy for models 3/100-MF, 3/200-MF and 3/500; in AISI 304 stainless steel for other types.

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

Direct current

DESCRIPTION			MECHANICAL SPECIFICATIONS				ELECTRICAL SPECIFICATIONS		
			Static moment*	Centrifugal force		Weight	Power rating	Max. current A	
Code	Type	rpm	kgmm	kg	kN	kg	W	12V	24V
600418	**MVCC 3/100-S08 MF**	3000	12,1	**122**	**1,20**	5,7	190	8,00	4,00
600419	**MVCC 3/200-S08 MF**	3000	20,2	**203**	**1,99**	6,3	190	8,00	4,00
600469	**MVCC 3/500**	3000	58,0	**584**	**5,72**	13,0	270	22,5	11,3
600405	**MVCC 3/1200**	3600	78,0	**1130**	**11,1**	20,0	530	-	22,0
600464	**MVCC 3/1500**	3600	105	**1520**	**14,9**	21,0	530	-	22,0

* Working moment = 2 x static moment.

The new MVCC series of direct current vibrators has been designed for use in areas where network electricity is not available. In particular for hoppers, silos and gatecontrols and roll-on roll-off vehicles (concrete mixers, pumps for concrete, plasterers, salt distributors, gravel spreader, fertiliser spreader, hauled silos, industrial sweeper filters). Through continuous evolution of the direct current range, Italvibras has attained a patent for the invention of the new concept with power delivery through the electronic card, included in the vibrator.

The MF models have a multi-hole fixing base to adapt to different centre distances of drilling.

Other features
The MVCC series is supplied with a special high-resistance synthetic rubber power supply cable measuring 2.5 m.

For further details please contact sales offices at Italvibras.
The technical data and models listed in this catalogue are not binding. Italvibras reserves the right to modify them without prior notice.

Certifications

CE
Compliance with the applicable European Union directives.

EAC
Certification for Eurasian Customs Union
N° TC N RU Д-IT.АЛ33.B.02527

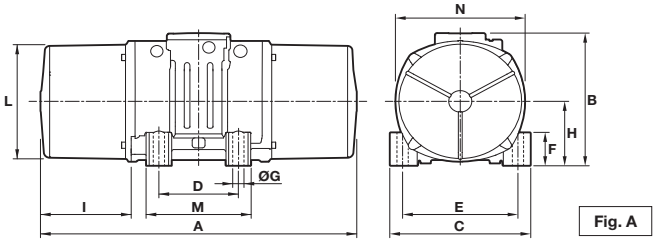


Fig. A

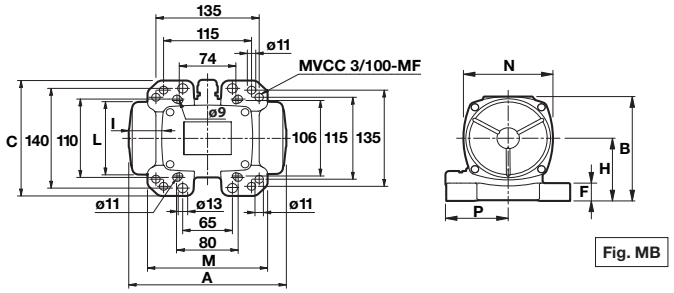


Fig. MB

DIMENSIONAL SPECIFICATIONS (mm)

Fig.	A	B	C	Holes D	Holes E	Holes ØG	Holes N°	F	H	I	L	M	N	P	Cable entry
MB	207	146,5	162	**See drawing MB**				25	88	46	103	158	117	80	M20x1,5
MB	231	146,5	162	**See drawing MB**				25	88	58	103	158	117	80	M20x1,5
A	288	203	167	**105**	**140**	**13**	**4**	30	82,5	65	145	146	160	-	M25x1,5
A	308	211	205	**120**	**170**	**17**	**4**	45	93,5	63	168	174	182	-	M25x1,5
A	308	211	205	**120**	**170**	**17**	**4**	45	93,5	63	168	174	182	-	M25x1,5