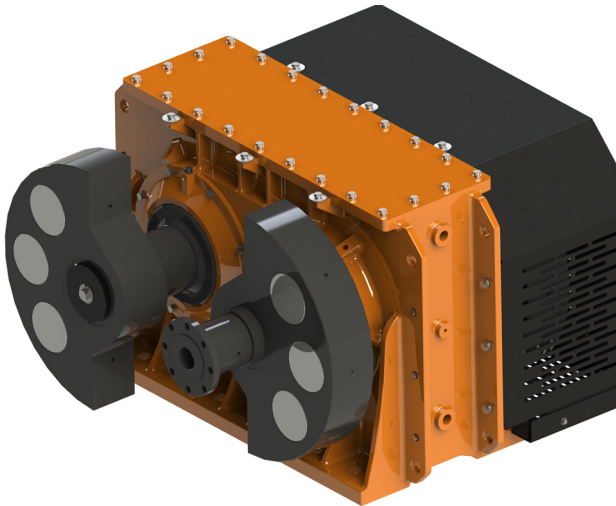


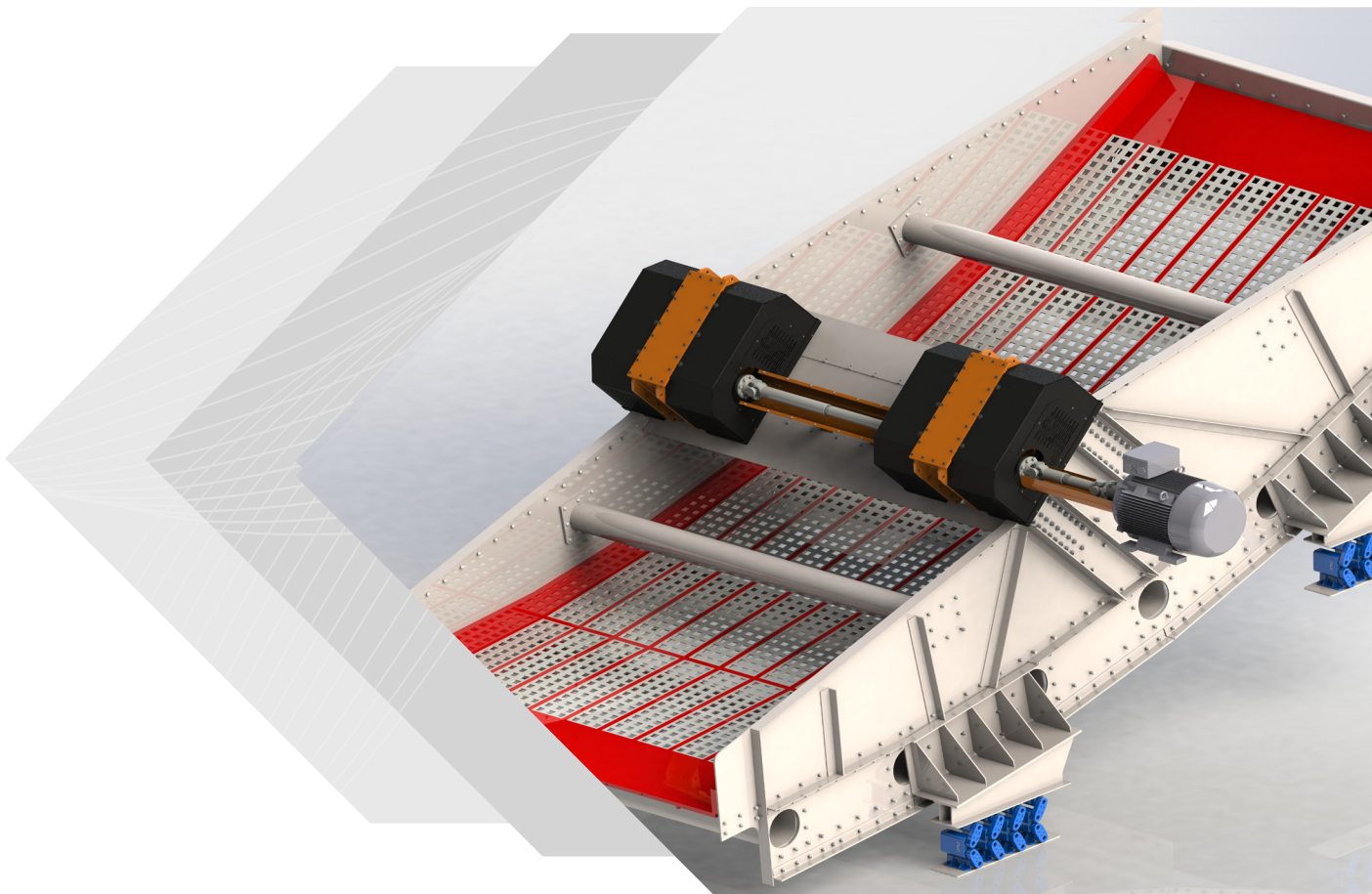
MVM

Mechanical Exciter



- » RELIABLE
- » INTERCHANGEABLE
- » PRIORITY SERVICE
- » WORLDWIDE QUICK DELIVERY

2 YEAR WARRANTY



THE LEADER IN VIBRATION TECHNOLOGY

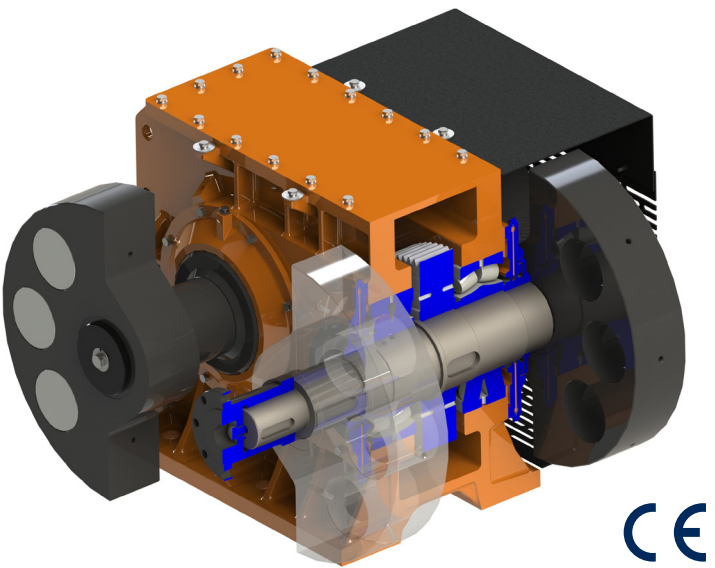
MVM OVERVIEW

The MVM series of **unidirectional mechanical oscillators** has been designed for large-scale vibrating applications. Two shafts equipped with centrifugal masses are driven in opposite directions via a gear mechanism, generating **linear vibration**. Power is typically transmitted from a universal joint shaft, which is in turn connected to either a 3-phase asynchronous motor or a hydraulic motor.

The MVM series, leveraging its capacity to generate **significant centrifugal forces** and the **synchronization of eccentric masses**, allows the vibrating machine to undergo reduced mechanical stress during startup and shutdown phases. Each component has been carefully engineered and sized to ensure **long-term durability** and **high reliability**, even in **critical environments**, capable of withstanding high mechanical loads.

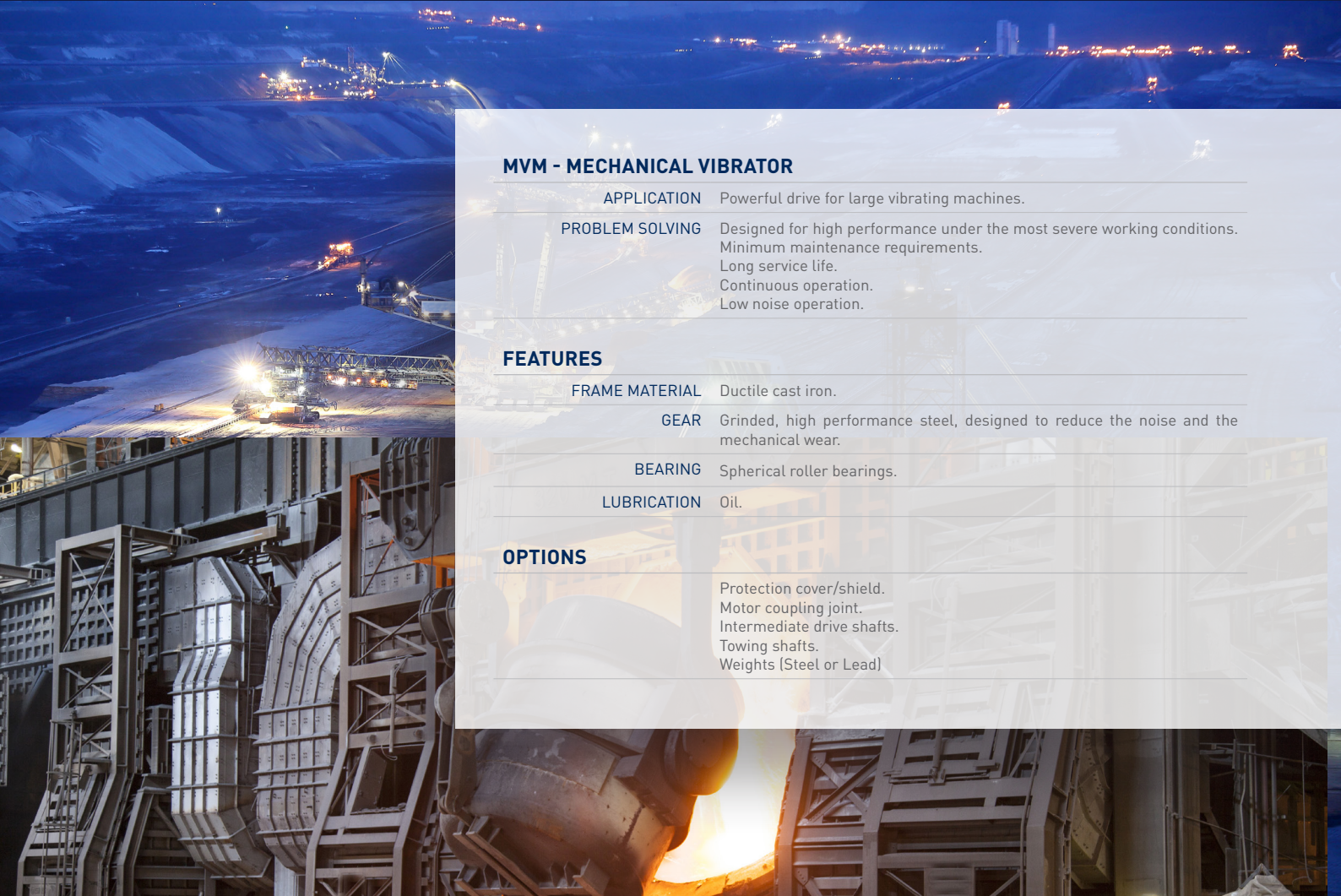
An oil bath lubrication system ensures optimal gear and bearing lifespan, **minimizing maintenance requirements**.

MVM Oscillators can be coupled in series, and their **versatility** is enhanced by the ease of adjusting eccentric masses.



TOP FEATURES

- Powerful exciter for high performance
- Long service life extremely calm operation
- Minimum maintenance requirements
- Optimum application - oriented
- Ideal for use in continuous operation



MVM - MECHANICAL VIBRATOR

APPLICATION	Powerful drive for large vibrating machines.
PROBLEM SOLVING	Designed for high performance under the most severe working conditions. Minimum maintenance requirements. Long service life. Continuous operation. Low noise operation.

FEATURES

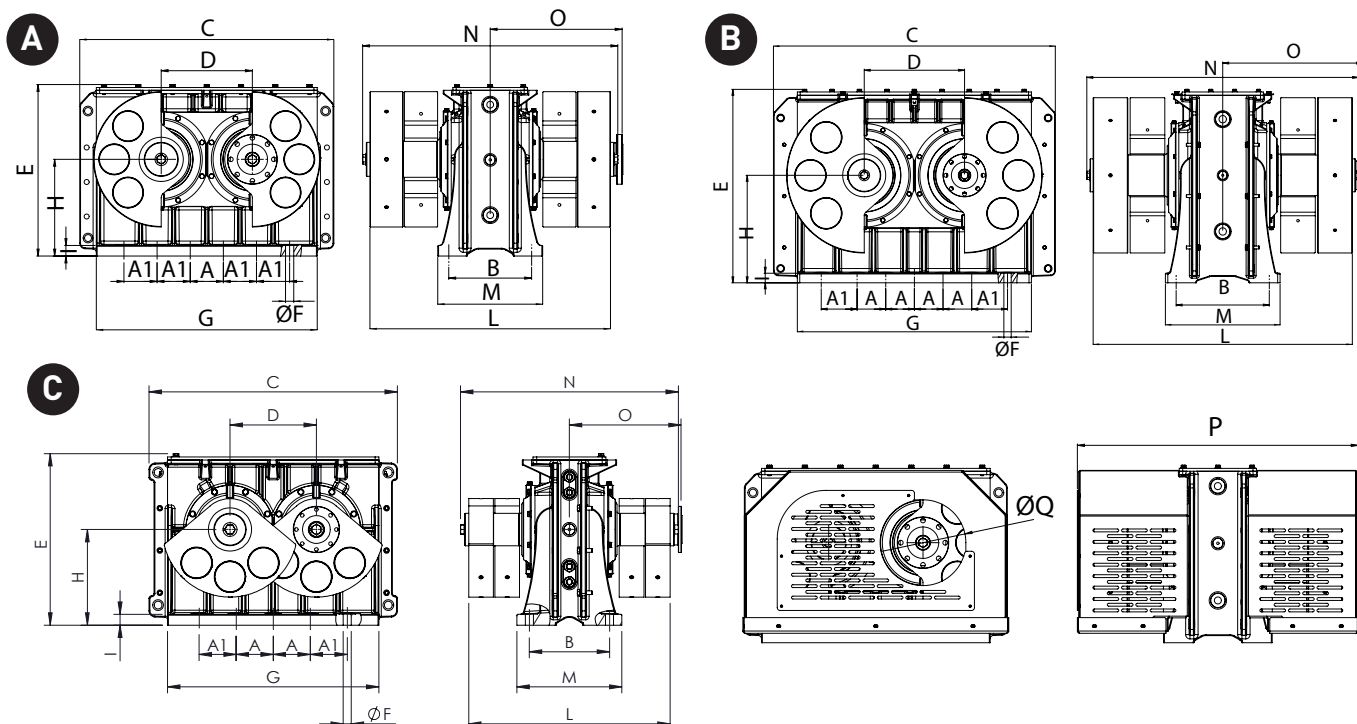
FRAME MATERIAL	Ductile cast iron.
GEAR	Grinded, high performance steel, designed to reduce the noise and the mechanical wear.
BEARING	Spherical roller bearings.
LUBRICATION	Oil.

OPTIONS

Options	Protection cover/shield. Motor coupling joint. Intermediate drive shafts. Towing shafts. Weights (Steel or Lead)
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Model	Frequency	MAX Centrifugal Force (Steel) *	MAX Centrifugal Force (Lead) *	MAX Required Power	Pd2 MAX oscillator	Bearing
	rpm	kg	kg	kW	kgm2	Type
MVM 18300/12C-200S0	1.000	17.203	20.475	11	23	22319-C4
MVM 26800/12C-215S0	900	20.284	24.302	11	30	22320-C4
MVM 38700/1C-260A0	850	26.225	31.231	18,5	47	22324-C4
MVM 65400/075C-300S0	750	35.486	41.094	30	96	22328-C4
MVM 112000/075C-340S0	750	61.824	70.570	45	170	22332-C4

* Max centrifugal force with full weights set (steel or lead).



Model	Fig.	A	A1	B	C	D	E	F	holes	G	H	I	L	M	N	O	P	Ø Q
		mm	mm	mm	mm	mm	mm	mm	n.	mm	mm	mm	mm	mm	mm	mm	mm	mm
MVM 18300/12C-200S0	C	2X120	2X120	260	805	280	556	26	10	685	310	35	653	340	706	363	765	220
MVM 26800/12C-215S0	C	2X120	2X120	260	805	280	556	26	10	685	310	35	825	340	878	446	932	220
MVM 38700/1C-260A0	A	1X120	4X120	300	920	330	620	31	12	800	350	38	871	380	925	478	998	300
MVM 65400/075C-300S0	B	4X120	2X150	390	1.050	380	688	32	14	900	360	35	951	470	1.005	508	1.054	300
MVM 112000/075C-340S0	B	4X120	2X150	390	1.180	420	810	31	14	980	450	40	1.085	480	1.138	585	1.208	300

Additional weights adjustments (*Grey = steel; Black = lead)

Model							
Static Moment (kg*mm)							
MVM 18300/12C-200S0	8.220	11.197	12.427	14.144	15.405	16.616	18.335
MVM 26800/12C-215S0	11.549	16.053	17.918	20.524	22.424	24.266	26.866
MVM 38700/1C-260A0	17.900	23.952	26.436	30.100	32.504	34.791	38.708
MVM 65400/075C-300S0	35.480	44.228	47.800	53.028	56.492	59.721	65.420
MVM 112000/075C-340S0	65.728	79.264	84.876	93.040	98.420	103.248	112.344
Max Speed (rpm)							
MVM 18300/12C-200S0	1.500	1.200	1.200	1.200	1.000	1.000	1.000
MVM 26800/12C-215S0	1.500	1.200	1.200	1.000	1.000	900	900
MVM 38700/1C-260A0	1.200	1.100	1.000	970	930	900	850
MVM 65400/075C-300S0	1.000	900	850	830	800	780	750
MVM 112000/075C-340S0	850	850	850	800	800	750	750
Weight (kg) *							
MVM 18300/12C-200S0	612	631	651	667	670	678	694
MVM 26800/12C-215S0	720	749	778	802	807	819	843
MVM 38700/1C-260A0	1.012	1.047	1.082	1.111	1.118	1.132	1.161
MVM 65400/075C-300S0	1.504	1.546	1.588	1.622	1.630	1.647	1.681
MVM 112000/075C-340S0	2.186	2.246	2.305	2.354	2.365	2.390	2.439

* Each individual weight value includes the weight of both mass covers.



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OLI WORLDWIDE DIRECT PRESENCE WITH STOCK

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OLI Brazil	OLI Italy	OLI Nordic	OLI UK
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OLI France	OLI Malaysia	OLI South Africa	OLI Vietnam
OLI Germany	OLI Malta	OLI Spain	
OLI India	OLI Mexico	OLI Thailand	

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