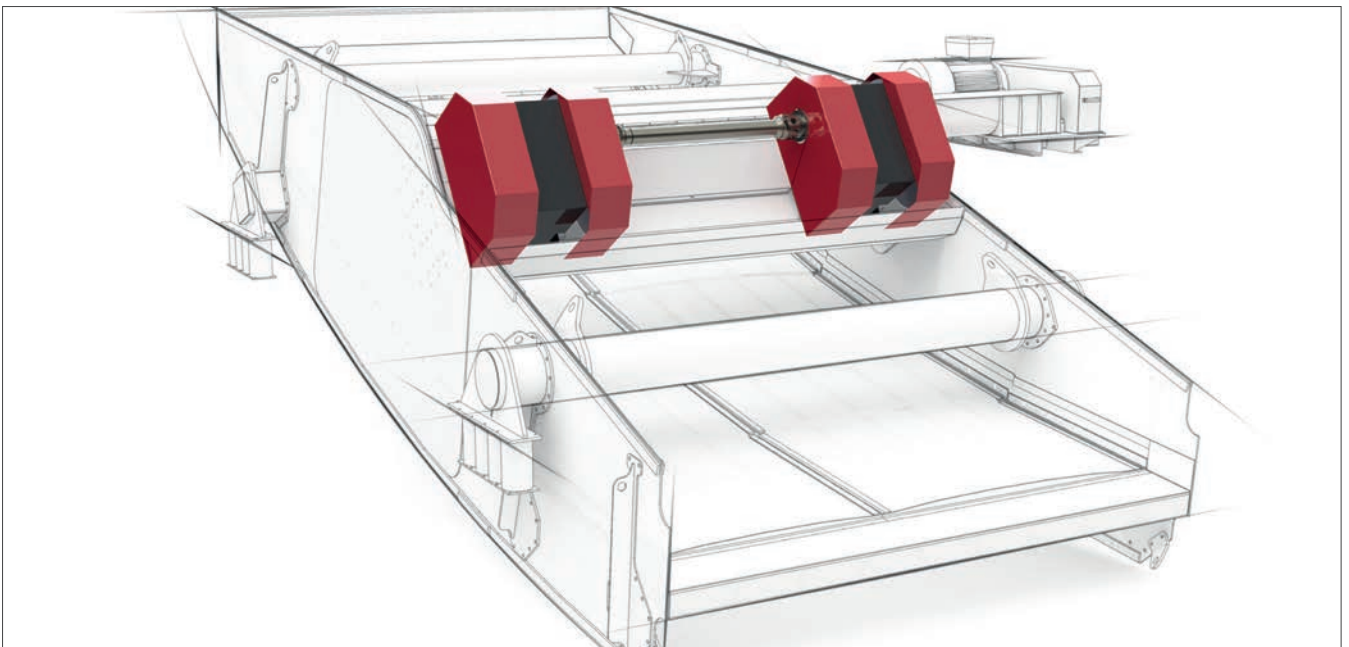


Exciters

Series JR

Two shafts with centrifugal weights are operated in opposite directions via a toothed gear, this action creates linear vibrations. The drive power is generally transmitted via a cardan shaft with a standard, stationary motor.



Heavy duty

JVM® exciters are primarily used for large and heavy vibration machines. Their long service lives and problem-free operation even under the most difficult industrial conditions - testifies to the JVM® technical design all over the world.

Long services lives

Instead of high-tension, welded designs, JR gearbox housings are manufactured exclusively from high quality modular cast iron. The bearing arrangements consist of heavy duty, high quality bearings. The centrifugal weights are also protected by particularly sturdy hoods.

Machine conservation

Forced mechanical synchronisation dispenses with the critical synchronisation phases and the associated high loadings during starting and stopping. The base machine construction is conservatively designed.

Easy maintenance

An oil splash system supplies the gears and bearings with a constant supply of lubrication. JVM® exciters can be operated in any position and are reliable in ambient temperatures of -40 ... +80°C (-40 ... +176°F) when the appropriate oil is used.

A brand of the

JOST® group

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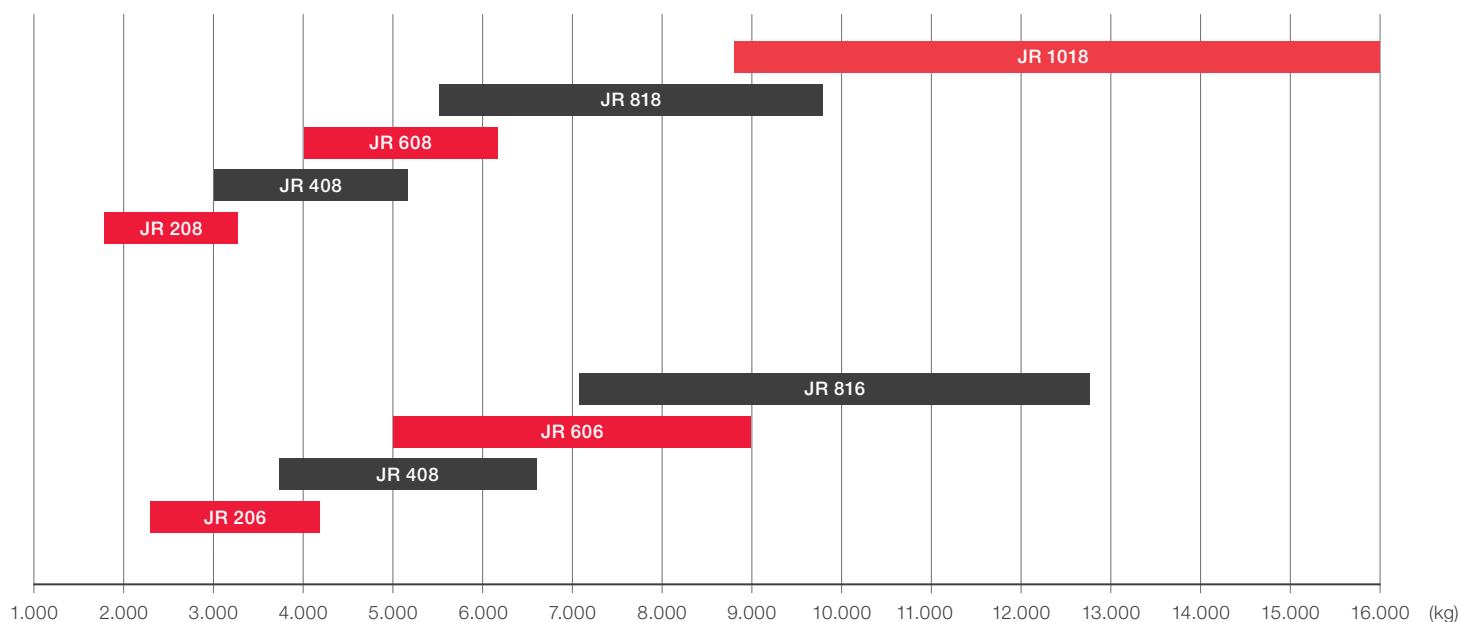
info@j-vm.com
 www.j-vm.com



Exciters

Series JR

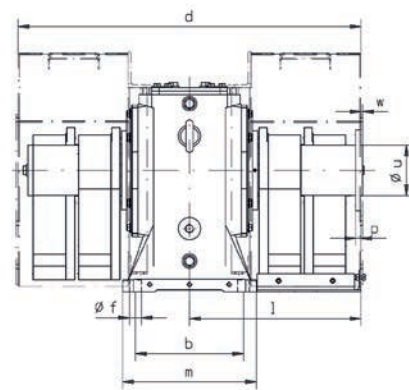
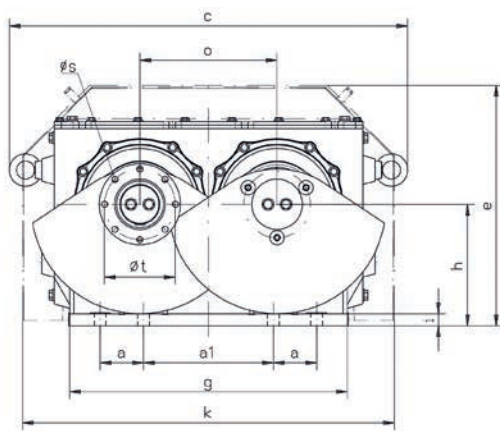
Selection of Drive



Construction weight when using one exciter.

TECHNICAL DATA										
	Size	Speed max. min ⁻¹	Torque kgcm		kgcm	Centrifugal force kN		kN	Weight kg	Power Input kW *
JR	206	1.000	1.100	-	2.800	60	-	155	470	11
JR	208	830	2.600	-	4.300	100	-	155	550	11
JR	406	1.000	1.600	-	4.400	90	-	240	730	15
JR	408	830	3.900	-	6.700	145	-	240	800	15
JR	606	1.000	2.700	-	6.000	150	-	330	970	18,5
JR	608	830	5.700	-	9.100	215	-	330	1.110	18,5
JR	816	1.000	3.000	-	8.400	165	-	460	1.270	30
JR	818	830	7.000	-	12.400	265	-	460	1.440	30
JR	1018	750	10.400	-	20.400	320	-	630	2.500	45

* Approximate specification at medium deployment.



TYPE CODE

JR — 20 6
 ↓ ↓ ↓
 Type Size No. of Poles

Type	a	a ₁	b	c	d	e	øf	g	h	i	k	l	m	o	p	ø s	t
206 208	110	220	190	860	660	525	26	590	260	27	830	325	250	290	15	8x 8,5	101,5
406 408	110	330	220	940	700	610	26	685	295	27	940	340	280	330	15	8x 10,5	130,0
606 608	120	360	300	1.060	830	650	33	740	320	32	1.000	410	370	360	15	8x 12,5	155,5
816 818	120	360	300	1.105	950	665	33	770	335	32	1.030	475	370	380	15	8x 16,5	196,0
1018	160	280	410	1.300	1.080	850	39	910	475	45	1.195	540	500	440	20	12x 16,5	196,0

Dimensions in mm

Variable parameters

With the machine off, the motion amplitude can be reliably set to the particular requirements by simply adjusting the centrifugal weights. The motion frequency can also be adjusted via an optional frequency converter.

Drive

A standard hydraulic or 3-phase motor is used as the drive motor. Please note that the highest admissible speed of the exciter may not be exceeded and that the motor's starting torque must be 2.5-times that of the nominal torque.

Tip

Where extremely wide or heavy machines are necessary, several exciters can be operated in parallel side-by-side with one drive motor. The starting torque is thereby transmitted from one exciter to the next by coupling shafts.

