

# Light Equipment

## 2013 Product guide

since 1978

**JEONIL**<sup>®</sup>  
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**JEONIL**<sup>®</sup>  
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# We build the future

JEONIL was established in 1978 in order to produce and supply optimal light construction equipment for everyone at a construction site, providing high economic productivity. From the early nineties, JEONIL exported the products to its neighboring countries for the first time. By that time, no one expected that Korea could export light construction equipment. But by developing new value added products and improving quality step by step, JEONIL expanded its business continuously with warm support from customers in local and overseas markets who share a common sense of co-existence and development. Now, quality products are being exported to more than 55 countries all over the world with a high reputation. Such efforts to improve quality and develop value added products shall never stopped at JEONIL.

To become a major enterprise in the 21st century, we are focusing on every management resource to provide the finest products and services available by developing environmentally friendly products, acquiring international certifications such as ISO9001,CE certification, Noise certification, UL certification and establishing more efficient and convenient service systems.

Jeonil Machinery will continue to expand investments in research and development to develop new projects, and through these efforts, we will make steady progress forward to be a global market leader.



# History

- 2013 Vibratory Double Drum Roller development & release
- 2012 CE Certification renewal (Plate compactor)
- 2010 Acquired TUV Certification for Concrete cutter  
Premium plate compactor development
- 2009 Selected as Inno-Biz company by small and medium business administration
- 2008 Tamping rammer development & release
- 2007 2nd CEO Seung-Hun Jeon appointed  
Built and moved to the large facility in Gimpo-city  
Acquired patent for concrete vibrator
- 2006 Designated as promising export firm by small and medium administration  
R&D center established  
High cycle eccentric vibrator development & release
- 2005 ISO 9001 certified  
Acquired patent for compacting machine.
- 2003 Reversible plate compactor development & release
- 2001 Second factory established
- 1999 Acquired CE certificate for plate compactors
- 1997 Converted to corporation (Jeonil Machinery Co., Ltd.)
- 1994 Opened overseas sales division
- 1987 Power trowel development & release
- 1985 Plate compactor development & release
- 1979 Mass production of concrete vibrator
- 1978 Jeonil Machinery established



## Forward standard plate

Forward standard plate offers excellent performance for compacting granular soils and asphalt with durable vibrator and structural engineering.



JPC-90WT



JPC-80

JPC-110WT



JPC-80RH

JPC-100



Technical Data

Model	JPC-60	JPC-80	JPC-80J	JPC-80RH	JPC-90WT	JPC-100	JPC-110WT
Weight kg(lb)	69~72(152~158)	89~92(196~203)	87~90(192~198)	82~85(181~187)	83~104(183~229)	105~108(231~238)	111~130(245~286)
Operating Size(WxLxH) mm	375x960x897	415x1074x827	450x1013x933	460x930x1050	405x960x897	500x915x985	500x1146x1000
	in 14.8x37.8x35.3	16.3x42.3x32.6	17.7x39.9x36.7	18.1x36.6x41.3	15.9x37.8x35.3	19.7x36.0x38.8	19.7x45.1x39.4
Compacting Size(WxL) mm	375x336	415x404	450x461	460x340	405x336	500x461	500x376
	in 14.8x13.2	16.3x15.9	17.7x18.1	18.1x13.4	15.9x13.2	19.7x18.1	19.7x14.8
Centrifugal Force kN(kgf)	11.1(1131)	17.7(1805)	19.6(2000)	19.4(1978)	14(1428)	23.5(2400)	19.6(2000)
Vibration Frequency vpm(hz)	5700(95)	6400(106)	6400(106)	6500(108)	5700(95)	6400(106)	6400(106)
Travel Speed m/min(ft/min)	20~25(65.6~82)	20~25(65.6~82)	20~25(65.6~82)	28(91.8)	20~25(65.6~82)	20~25(65.6~82)	20~25(65.6~82)
Engine	Honda GX-160(5.5hp, 4.0kw), Robin EX-17D(6.0hp, 4.2kw)						

\*Other Engines are available according to customers' request / Specifications may change due to continuous product development

# Forward premium plate

Forward premium plate is designed to improve the working environment for plate operator. Ductile iron plate shows high strength and efficiency for compacting. And low vibration of the handle with double shock-mounted design ensures the comfortable work by reducing operator's fatigue.



JPC-940WT

## Features

- Powerful compaction and wear resistance with ductile cast iron plate
- Low handle vibration and reduced engine wear with double shock-mounted design
- Protective engine frame and sealed belt cover
- Increase the work efficiency and save working time



JPC-95DW

JPC-1150WT

## Technical Data

Model	JPC-530WT	JPC-940WT	JPC-1150WT	JPC-95DW
Weight kg(lb)	54~59	87~107(192~236)	102~123(225~271)	85~105
Operating Size(WxLxH) mm	300x747x709	400x1120x1050	500x1120x1050	400x1094x980
	in 11.8x29.4x27.9	15.7x44x41.3	19.7x44x41.3	15.7x43x38.6
Compacting Size(WxL) mm	300x345	400x396	500x396	400x396
	in 11.8x13.6	15.7x15.6	19.7x15.6	15.7x15.6
Centrifugal Force kN(kgf)	10(1020)	15(1529)	15(1529)	15(1529)
Vibration Frequency vpm(hz)	6000(100)	6000(100)	6000(100)	6000(100)
Travel Speed m/min(ft/min)	22~25(72.2~82)	22~25(72.2~82)	22~25(72.2~82)	20~25(65.6~82)
Engine	Honda GX-100(2.8hp,2.1kw)	Honda GX-160(5.5hp, 4.0kw), Robin EX-17D(6.0hp, 4.2kw)Engine		

\*Other Engines are available according to customers' request / Specifications may change due to continuous product development

## Reversible plate

Reversible plate is ideal for foundation work, cohesive soils and trenches. It offers forward, backward and on-spot compaction by hydraulic system and easy to change the direction with single control lever.



JPC-1545R



JPC-2045RD

Option : Extension Plate(JPC-1545R & JPC-2045RD)



### Technical Data

Model	JPC-835R	JPC-940R	JPC-1545R	JPC-2045RD
Weight kg(lb)	85~88(187~194)	92~95(203~209)	150~153(331~337)	170~173(375~381)
Operating Size(WxLxH) mm	350x1090x1090	400x1090x1090	430x1231x1045	430x1231x1045
in	13.8x42.9x42.9	15.7x42.9.42.9	16.9x48.5x41.1	16.9x48.5x41.1
Compacting Size(WxL) mm	350x303	400x303	430x330	430x330
in	13.8x11.9	15.7x11.9	16.9x13.0	16.9x13.0
Centrifugal Force kN(kgf)	16.5(1682)	18(1835)	29.4(3000)	29.4(3000)
Vibration Frequency vpm(hz)	6000(100)	6000(100)	5600(93)	5600(93)
Travel Speed m/min(ft/min)	28(91.8)	25(82)	23(75)	23(75)
Engine	Honda GX-160(5.5hp, 4.0kw), Robin EX-17D(6.0hp, 4.2kw)			Lombardini 15LD25, Hatz 1B20

\*Other Engines are available according to customers' request / Specifications may change due to continuous product development

# Vibratory double drum roller

Vibratory double drum roller, JR 650 is designed to ensure the operator's safety and convenience at work site. This roller is ideal for compacting granular soil and asphalt in confined areas with hydraulic drive system, solid frame structure and smooth drum. It is easy for the maintenance and basically need low maintenance.



JR-650



## Features

- High power Efficiency
- Welding Frame structure
- Minimum overhang
- Shift lever knob
- Neutral start

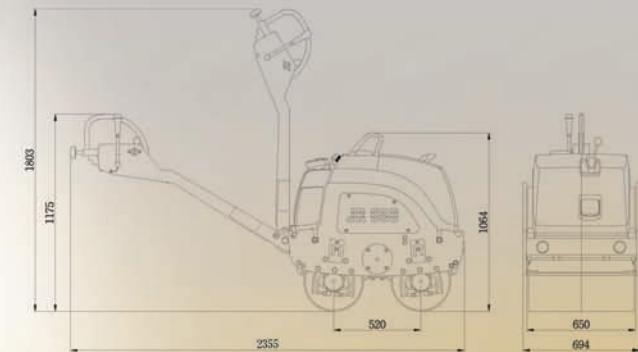
Shift Lever Knob



Welding Frame Structure



Bumper



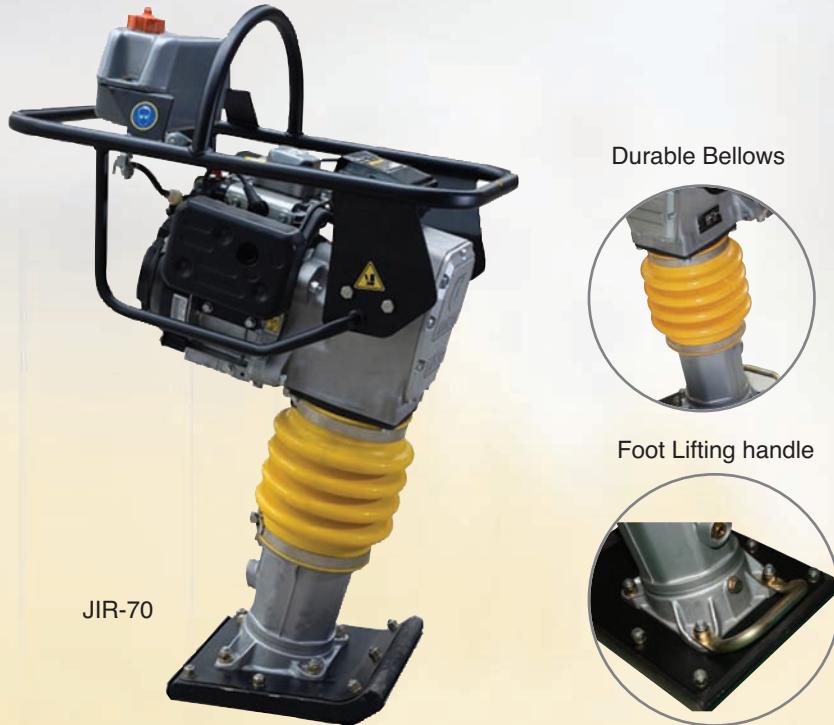
## Technical Data

Model	JR-650	
Weight	kg(lb)	640(1411)
Operating Size(WxLxH)	mm	694x2355x1175
	in	27.3x92.7x46.2
Drum Size(ØxW)	mm	356x650
	in	14.0x25.5
Centrifugal Force	kN(kgf )	10.8(1100)
Vibration Frequency	vpm(hz)	3300(55)
Travel Speed	km/h	0~3.5
Engine		Kubota E75-E3-NB3
Engine Type		Water-cooled 4cycle Diesel Engine
Engine Rated output	kW(hp)	4.0(5.5)
Fuel tank capacity	liter(gal)	4.8(1.27)
Cooling water capacity	liter(gal)	1.2(0.31)
Engine oil capacity	liter(gal)	1.3(0.34)
Water tank capacity	liter(gal)	35(9.25)

\*Specifications may change due to continuous product development

## Tamping rammer

JEONIL's four-cycle rammer JIR-70 is designed for high efficiency with lower exhaust emissions, less noise and better fuel economy. Outstanding body balance maximizes work efficiency and minimizes operator's fatigue.



### Technical Data

Model	JIR-70	
Dimension	mm	720x415x1043
Shoe size	mm	280x330
Operating weight	Kg	72
Percussion rate	strokes/min	680-710
Work speed	m/min	10-15
Stroke of ramming shoe (up)	mm	60-85
Impact force	Kgf	1730
*Specifications may change due to continuous product development		

## Vibratory Screed

JEONIL's vibratory screed offers consistent distribution of concrete on the whole blade length so it can meet the demands on a variety of jobsites. It's lightweight, easy to handle and reducing the handle vibration with isolator rubbers.



### Technical Data

Model	JSV-35	
Weight	kg(lb)	15(33)
Operating Size(WxLxH)	mm	770x900x1000
	in	30x35x40
Vibration Frequency	vpm(hz)	7000(117)
Blade Size	ft(m)	8-14(2.44-4.27)
Engine		Honda GX-35
Engine type		Air cooled 4-cycle gasoline engine
Power	kW(hp)	1.2(1.6)
Fuel tank capacity	liter(gal)	0.65(0.17)

\*Specifications may change due to continuous product development

# Floor Saw

Floor Saw shows outstanding cutting performance with smooth and powerful operation so it is ideal for cutting asphalt and concrete for a variety of job sites.



JIC-30



JIC-20



JIC-14



JIC-20G

## Technical Data

Model	JIC-14	JIC-20	JIC-20G	JIC-30
Weight kg(lb)	75(165)	150(331)	150(331)	350(772)
Operating Size(WxLxH) mm in	510x940x825 20x37x33	610x1210x1020 24x48x40	610x1210x1020 24x48x40	700x1432x975 27.5x56x38.5
Blade Capacity in	10 ~ 14	14~20	14 ~ 20	14 ~ 30
Maximum Cutting Depth mm(in)	120(4.7)	180(7.0)	180(7.0)	300(11.8)
Water Tank Capacity liter(gal)	18(4.8)	39(10.3)	39(10.3)	outside
Arbor Diameter mm	27 or 25.4 (as required)			
Depth Adjustment Mechanism	Handle Rotation	Handle Rotation	Handle Rotation	Hydraulic
Drive Mechanism (Forward & backward)	Manual Push	Chain Type	Gear Type	Hydrostatic Transmission
Capacity of Fuel tank on Machine liter(gal)	-	-	-	20(5.28)
Engine	Honda GX-160, GX-270	Honda GX-390, GX-630	Kohler PA-CH740	

\*Other Engines are available according to customers' request / Specifications may change due to continuous product development

# Power Trowel

Power trowel is very convenient with durability and high performance to use at the job sites to make big parking lots and large flat floors for commercial and industrial purpose.



## Technical Data

Model	JMT-24	JMT-36	JMT-46
Weight kg(lb)	62(136)	95(209)	139(306)
Operating Size(WxLxH) mm	680x1500x1000	1000x1700x1000	1300x1950x850
in	27x59x39	39x67x39	51x77x34
Working Blade Diameter mm(in)	609(24)	914(36)	1168(46)
Number of Blades	4	4	4
Pitch Range	0 ~ 15°	0 ~ 15°	0 ~ 15°
Trowel Speed rpm	75 ~ 120	60 ~ 130	60 ~ 130
Efficiency m <sup>2</sup> /h(ft <sup>2</sup> /h)	100(1076)	200(2152)	280(3010)
Engine	Honda GX-160, Robin EX-17D		Honda GX-270

Specifications may change due to continuous product development



Floating Pan(optional)



Finishing Blade



JMT-46

# High cycle eccentric vibrator (JEV Series)

Patented high cycle eccentric vibrator offers outstanding performances for concrete consolidation and air removal in concrete pouring with eccentric rotor and high cycle so it can save working time and improve the work efficiency.



## Technical Data

Model	JEV-28	JEV-35	JEV-40	JEV-45	JEV-55
Weight (4M)	kg(lb)	6.3(13.9)	7(15.4)	7.5(16.5)	8(17.6)
Head Diameter	mm(in)	28(1.1)	35(1.38)	40(1.6)	45(1.77)
Head Weight	kg(lb)	1.3(2.8)	2(4.4)	2.7(6.0)	3.4(7.5)
Head Length	mm(in)	390(15.5)	390(15.5)	400(15.7)	400(15.7)
Centrifugal Force	kN(kgf)	1.1(110)	2.3(230)	3.5(360)	5.9(600)
Vibration Frequency	vpm(hz)	12000±2000 (200±33)			
Vibration Amplitude	mm	1.46	2.26	2.45	2.82
Flexible Shaft Length	m(ft)	Standard 4.0(13.1), Maximum 6.0(20.0)			

\*Specifications may change due to continuous product development



	Non-Vibrating Over the 10mm - 7 ea Over the 5mm - 93ea		Normal Vibrator Over the 10mm - 2 ea Over the 5mm - 49ea		Jeonil Eccentric Vibrator Over the 10mm - 0 ea Over the 5mm - 4ea
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## Drive unit for High cycle eccentric vibrator

### Electric Motor



### Technical Data

Model	JEVM	
Voltage(AC)	V	115 230
Weight	kg(lb)	5.8(13)
Overall Size	mm(in)	350 (13.8) x 160 (6.3) x 230 (9.0)
Power	kW(hp)	1.5 (2.0) 1.6 (2.1)
Current(max)	A	13 7
Frequency	Hz	50 / 60
Phase		Single
Motor Type		Universal electric motor
Unloaded Speed	rpm	17,500
Loaded Speed	rpm	12,000
Connection to Flexible shaft		Square socket
Possible Service		1)Portable (Horizontal & Vertical) 2)Shoulder strap

### Engine Base Frame



### Motor Back-pack



### Engine Back-pack



## Pendulum vibrator (JIV Series)

Pendulum vibrator is widely used for concrete consolidation and air removal in various construction sites and ensures stronger and quality concrete with clean surface.



### Technical Data

Model	JIV-32	JIV-38	JIV-45	JIV-50	JIV-60
Weight(6M) kg(lb)	13(28.7)	14(30.9)	15(33.1)	20(44.1)	22(48.5)
Head Diameter mm(in)	32(1.26)	38(1.5)	45(1.77)	50(1.97)	60(2.36)
Head Length mm(in)	445(17.5)	445(17.5)	445(17.5)	545(21.5)	545(21.5)
Revolution of Flexible Shaft rpm			3000 ~ 3600		
Vibration Frequency vpm(hz)			9000 ~ 12000(150~200)		
Vibration Amplitude mm	1.4	1.6	2.0	2.2	2.4
Flexible Shaft Length m(ft)			Standard 6.0(19.7), Maximum 7(27.5)		

\*Specifications may change due to continuous product development



## Hose Joint Type

3dog Dynapac | 2dog Dynapac | Pin Type | Ball Type

## Drive unit for Pendulum Vibrator

### Electric Motor



JIVM

### Technical Data

Model	JIVM
Power kW(hp)	900(1.2)
Voltage V	220
Current A	5.5
Phase	Single
Speed rpm	3450 at 60Hz 2850 at 50Hz
Motor Type	CSR type
Size(WxLxH) mm	215*350*280
in	8.5*13.8*11
Weight kg(lb)	8.9(19.6)
Available Coupling	Pin, Ball Type

### Turntable



JTE

### Technical Data

Model	JTE
Weight kg(lb)	6(13.2)
Size(WxLxH) mm	515 x 360 x 330
in	20.3 x 14.2 x 13.0
Available Engine	Honda GX120, 160, 200 Robin EX-17, EY20, DY23D Lombardini 15LD225

### Engine Coupling & Engine Shaft

Dynapac Coupling	Ball type Coupling	Pin type Coupling
DY(Engine Coupling) DY(Engine Shaft)	BT(Engine Coupling) BT(Engine Shaft)	PT(Engine Coupling) BT(Engine Shaft)

## Handy vibrator (JHV Series)

Handy vibrator is portable and multi purpose high cycle eccentric vibrator. It is lightweight and easy to handle so it can be useful everywhere.



### Technical Data

Model	JHV-28	JHV-32
Frequency vpm	12,000~14,000	12,000~14,000
Vibration Amplitude mm	1.1	1.1
Head Dia X Length mm	28 X 190	32 X 190
Total Length m	1.0~1.5	1.0~1.5
Weight kg(lb)	4.2(9.3)~4.9(10.8)	4.2(9.3)~4.9(10.8)
Power W	480	480

Specifications may change due to continuous product development

## Submersible pump

Submersible pump is widely used in construction fields as it can be used without the access to power supply. The pump can be driven by the engines through flexible shaft inserted in the hose.



### Technical Data

Model	Discharge Diameter (inch)	Max.Lift(m)	Max. Capacity(l/min)	Hose Length(m)	Weight(kg) w/o drive unit	Engine HP/RPM(Max.)
JIP	2~3	18	1,500	Standard:6M (4m~7m available)	23	3.5~6.0HP/3,600RPM Gasoline engine

Specifications may change due to continuous product development

## Re-bar cutter / Re-bar bender

Re-bar cutter (JMC-25H) has an excellent cutting capacity owing to a strong hydraulic. And it is suitable for small and middle works due to lightweight and portable.

Re-bar bender (JMB-32) is suitable for small and middle bending works. And it is strong and firm with a durability-oriented design.



JMC-25H



JMB-32

### Technical Data

MODEL	Max. Bar Dia. mm(inch)	Motor kW(hp)	Power (voltage)	Bending Speed	Bending Angle	Dimension mm(inch)			Weight kg(lb)
						W	L	H	
JMC-25H	25(1.0)	1.9(2.5)	110/220v, 50/60Hz, Single Phase			485(19.1)	140(5.5)	250(9.9)	23(50)
JMB-32	32(1.3)	2.2(3.0)	110/220v, 50/60Hz, Single Phase	180°/6sec	~180°	570(22.4)	500(19.7)	560(22.1)	166(365)

### Efficiency / Number of bars at one time

MODEL	RE-BAR GRADE	D-10	D-13	D-16	D-19	D-22	D-25	D-29	D-32
JMC-25H	SD295 (45kg/mm <sup>2</sup> )	3	2	1	1	1	1		
	SD390 (57kg/mm <sup>2</sup> )	3	2	1	1				
JMB-32	SD295 (45kg/mm <sup>2</sup> )	5	4	3	2	2	1	1	1
	SD390 (57kg/mm <sup>2</sup> )	5	4	3	2	1	1	1	

Specifications may change due to continuous product development