

VIBRATORY RAMMERS Advantages

- + Wacker's 2-cycle engine, meets EPA air emission standards.
- + Vented carburetor evacuates air from fuel line for easy starting.
- + Patented oil pump system eliminates spark plug fouling and carbon buildup.
- + Three-stage air filtration system provides a cleaner running machine. A filter minder tells the operator when the air filter needs to be changed.
- + No-mix system.
- + Fuel to oil ratio of 120:1 allows for longer and cleaner running times.
- + Low oil switch.
- + Built-in shockmount system to reduce HAV (hand-arm vibration).
- + Single lever controls engine starting, speed, and stopping.
- + Large capacity, corrosion proof fuel tank with self-cleaning, in-tank filter.
- + Fully sealed, oil-lubricated ramming system.



BS 60-2i

Application

The BS series of oil-injected vibratory rammers is designed for the compaction of cohesive, mixed and granular soils in confined areas.

Specifications

Technical Data		BS 50-2i	BS 60-2i	BS 70-2i
Length x width x height	in	26.5 x 13.5 x 37	26.5 x 13.5 x 38	26.5 x 13.5 x 38
Shoe size (w x l)	in	11 x 13	11 x 13	11 x 13 or 13 x 13
Operating weight	lbs	131	145	164
Shipping weight	lbs	142	157	176
Shipping size (l x w x h)	in	28 x 16.5 x 39	28 x 16.5 x 39	28 x 16.5 x 39
Compaction depth	in	20	23	24
Stroke	in	2.8	2.8	3
Force/blow	lbs	2695	3025	3375
Percussion rate	blows/min	up to 700	up to 700	up to 700
Travel speed	ft/min	up to 59	up to 57	up to 52
Compacted area	11 in shoe 13 in shoe	ft ² /h 3245	3135	2640 3380
Engine type		air-cooled, 2-cycle, single cylinder, WACKER WM 80 gasoline engine		
Displacement	in ³	4.9	4.9	4.9
Power	hp	4	4	4
Operating speed	rpm	4400	4400	4600
Fuel to oil ratio		120:1	120:1	120:1
Fuel consumption	qt/h	1.1	1.3	1.4
Fuel tank capacity	qt	3.2	3.2	3.2
Oil tank capacity	qt	.75	.75	.75
Power train		Power train from engine via centrifugal clutch, gears, crank mechanism, connecting rod, guiding piston, double spring system, spring cylinder onto ramming shoe. Clutch engages with engine speed.		

VIBRATORY RAMMERS Advantages

- + Three-stage air filtration system provides a virtually dust-free engine for longer life and improved durability.
- + The special throttle/governor linkage system maintains a constant engine speed (stable RPMs) for smoother operation and reduced maintenance.
- + Dedicated 4-cycle crankcase for increased durability and simplified maintenance.
- + Crankcase breather system and three-piece piston oil ring provide for lower oil consumption.
- + Built-in shockmount system to reduce HAV (hand-arm vibration).
- + Large capacity, corrosion proof fuel tank with self-cleaning, in-tank filter.
- + Fully sealed, oil-lubricated ramming system.



BS 60-4

Application

The BS series of 4-cycle vibratory rammers are designed for the compaction of cohesive, mixed and granular soils in confined areas. The WM 90 engine is specifically designed for rugged rammer applications.

Specifications

Technical Data		BS 50-4	BS 60-4
Length x width x height	in	26.5 x 13.5 x 37	26.5 x 13.5 x 38
Shoe size (w x l)	in	11 x 13	11 x 13
Operating weight	lb	137	154
Shipping weight	lbs	154	171
Shipping size (l x w x h)	in	29 x 15.5 x 39	29 x 15.5 x 39
Compaction depth	in	18	22
Stroke	in	2.2	2.2
Force/blow	lbs	2645	2975
Percussion rate	blows/min	680	680
Travel speed	ft/min	43	41
Compacted area	ft ² /h	2795	2655
Engine type		air-cooled, 4-cycle, single cylinder, WACKER WM 90 gasoline engine	
Displacement	in ³	5.3	5.3
Speed	rpm	4300	4300
Power	hp	2.8	2.8
Fuel consumption	qt/h	1.3	1.3
Fuel tank capacity	qt	3.2	3.2
Power train		Power train from engine via centrifugal clutch, gears, crank mechanism, connecting rod, guiding piston, double spring system, spring cylinder onto ramming shoe. Clutch engages with engine speed.	

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COMPACTION

VIBRATORY RAMMERS

Advantages

- Well-balanced, lightweight machine.
- A unique three-stage air filtration system provides a virtually dust-free engine for longer life and improved durability.
- A filter minder tells the operator when the air filter needs to be changed.
- Patent-pending vented carburetor evacuates air from the fuel line for easy starting.
- An integrated fuel valve and gas lever provide for simple operation and easy starting by eliminating air in the fuel line.
- The guide handle offers a highly engineered, built-in shockmount system to reduce HAV (hand-arm vibration) and improve operator comfort.
- Wacker's WM 80 engine is specifically designed to withstand rammer applications.



BS 50-2

Application

This vibratory rammer is suited for the compaction of granular, mixed and cohesive soils in confined areas.

Specifications

Technical Data		BS 50-2
Length x width x height	in	26.5 x 13.5 x 37
Shoe size (w x l)	in	10 x 13
Operating weight	lb	129
Shipping weight	lb	140
Shipping size (l x w x h)	in	39 x 16.5 x 28
Compaction depth	in	18
Stroke	in	1.7
Force/blow	lb	2540
Percussion rate	blows/min	up to 715
Travel speed	ft/min	up to 46
Compacted area	ft ² /h	up to 2300
Engine or Motor type		air-cooled, 2-cycle, single cylinder, gasoline engine Wacker WM 80
Piston displacement	in ³	4.9
Power	hp	4
Max. operating speed	rpm	4400
Fuel/oil ratio		100:1
Fuel consumption	qt/h	1.1
Fuel tank capacity	qt	3.2
Power train		Power train from engine via centrifugal clutch, gears, crank mechanism, connecting rod, guiding piston, double spring system, spring cylinder onto ramming shoe. Clutch engages with engine speed.

VIBRATORY RAMMERS

Advantages

- A durable Yanmar diesel engine provides exceptional performance, fuel economy and long life.
- The large capacity, corrosion proof fuel tank with self-cleaning, in-tank filter offers long life and minimum maintenance.
- Three-stage air filtration system provides a virtually dust-free engine for longer life and improved durability. A filter minder tells operator when the air filter needs to be changed.
- Single lever controls engine starting, speed and stopping for operator convenience.
- Built-in shockmount system to reduce HAV (hand-arm vibration) and improve operator comfort.



DS 70

Application

The DS 70 diesel vibratory rammer is designed for confined area compaction of granular, mixed and cohesive soils.

Specifications

Technical Data		DS 70
Length x width x height	in	28.5 x 14.6 x 39.4
Shoe size (w x l)	in	11 x 13 or 13 x 13
Operating weight	lbs	183
Shipping weight	lbs	200
Shipping size (l x w x h)	in	29 x 15.5 x 39
Compaction depth	in	up to 25
Stroke	in	up to 3
Force/blow	lbs	3550
Percussion rate	blows/min	700
Travel speed	ft/min	up to 43
Compacted area	ft ² /h	up to 2365 up to 2795
Engine type		air-cooled, single cylinder, 4-cycle, Yanmar diesel
Displacement	in ³	12.9
Power	hp	4.1
Max. operating speed	rpm	3600
Fuel consumption	qt/h	1
Fuel tank capacity	qt	4.4
Power train		Power train from engine via centrifugal clutch, gears, crank mechanism, connecting rod, guiding piston, double spring system, spring cylinder onto ramming shoe. Clutch engages with engine speed.

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COMPACTION

VIBRATORY PLATES Advantages

- + Tough, wear resistant, ductile iron baseplate offers high strength and shock resistance.
- + Computer designed baseplate has tapered bottom and edges.
- + Lightweight, high strength aluminum components including the engine console and beltguard.
- + Straight, center-mounted guide handle offers superior maneuverability and can be lowered within inches of the surface.
- + High inertia clutch with adjustable shims.
- + Many lifting points and front lift cage offer easier loading and unloading for operator convenience.



Application

Premium plates for the compaction of granular materials and mixed materials with some cohesive content, in confined areas such as parking lots, highway and bridge construction, next to structures, curbs and abutments.

Specifications

Technical Data		WP 1540	WP 1550	WP 1540A	WP 1550A
Length x width x height (handle in working position)	in	34.5 x 15.5 x 38	34.5 x 19.5 x 38	34.5 x 15.5 x 38	34.5 x 19.5 x 38
Lowest working height	in	20	20	20	20
Size of baseplate (w x l)	in	15.5 x 23	19.5 x 23	15.5 x 23	19.5 x 23
Operating weight	lb	190	194	190	194
Shipping weight	lb	205	209	205	205
Shipping size (l x w x h)	in	33 x 21.3 x 27	33 x 21.5 x 27	33 x 21.5 x 27	33 x 21.5 x 27
Compaction depth	up to in	12	12	12	12
Compacted area	up to ft ² /h	6590	9750	6590	9750
Forward speed	up to ft/min	100	100	85	100
Gradeability	up to %	30	30	30	30
Vibration frequency	vpm	6000	6000	6000	6000
Centrifugal force	lb	3375	3375	3375	3375
Engine type:		air-cooled, 4-cycle, single cylinder, gasoline engine			
		Wacker WM 170	Wacker WM 170	Honda	Honda
Displacement	in ³	10.3	10.3	9.9	9.9
Power	hp	6	6	5.5	5.5
Operating speed	rpm	3600	3600	3600	3600
Fuel tank capacity	qt	3.8	3.8	3.9	3.9
Fuel consumption	qt/h	1.6	1.6	1.9	1.9

Power transmission from engine via centrifugal clutch and V-belt onto exciter which transmits centrifugal force onto baseplate. All specifications per CIMA-LEMB standards.

VIBRATORY PLATES Advantages

- + Tough, wear resistant, ductile iron baseplate.
- + Computer designed baseplate has tapered bottom and edges.
- + Lightweight, high strength aluminum components including the engine console and beltguard.
- + Straight, center-mounted guide handle.
- + Large capacity polyethylene water tank is located within the front lift cage for protection.
- + Angled holes on spray bar allow complete water coverage.
- + High inertia clutch with adjustable shims.
- + Rear lifting handles and front lift cage.



Application

Premium plates for the compaction of granular materials and mixed materials with some cohesive content, and hot or cold asphalt in confined areas such as parking lots, highway and bridge construction, next to structures, curbs and abutments.

Specifications

Technical Data		WP 1540W	WP 1550W	WP 1540AW	WP 1550AW
Length x width x height (handle in working position)	in	34.5 x 15.5 x 38	34.5 x 19.5 x 38	34.5 x 15.5 x 38	34.5 x 19.5 x 38
Lowest working height	in	20	20	20	20
Size of baseplate (w x l)	in	15.5 x 23	19.5 x 23	15.5 x 23	19.5 x 23
Operating weight	lb	190	194	190	194
Shipping weight	lb	205	209	205	209
Shipping size (l x w x h)	in	33 x 21.3 x 27	33 x 21.5 x 27	33 x 21.5 x 27	33 x 21.5 x 27
Water tank capacity	qt	11	11	11	11
Compaction depth	up to in	12	12	12	12
Compacted area	up to ft ² /h	6590	9750	6590	9750
Forward speed	up to ft/min	100	100	100	100
Gradeability	up to %	30	30	30	30
Vibration frequency	vpm	6000	6000	6000	6000
Centrifugal force	lb	3375	3375	3375	3375
Engine type:		air-cooled, 4-cycle, single cylinder, gasoline engine			
		Wacker WM 170	Wacker WM 170	Honda	Honda
Displacement	in ³	10.3	10.3	9.9	9.9
Power	hp	6	6	5.5	5.5
Operating speed	rpm	3600	3600	3600	3600
Fuel tank capacity	qt	3.8	3.8	3.9	3.9
Fuel consumption	qt/h	1.6	1.6	1.9	1.9

Power transmission from engine via centrifugal clutch and V-belt onto exciter which transmits centrifugal force onto baseplate.

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VALUE VIBRATORY PLATES Advantages

- Optimally suited for a variety of compaction applications due to their high travel speed and ease of maneuverability.
- Guide handle with patented vibration dampening increases operator comfort and reduces fatigue.
- Specially designed exciter bearings reduce maintenance and are suitable for hot asphalt applications.
- Ergonomically designed lifting handles make loading and unloading easier.
- The large capacity water tank and the wide filler opening improve productivity.



VP 1135AW

Application

These value plates are ideal for curbs, gutters, around tanks, forms, columns, footings, guard railings, drainage ditches, gas and sewer works and building construction. The asphalt models are suitable for hot or cold asphalt applications in confined areas.

Specifications

Technical Data		VP 1135A	VP 1135AW
Length x width x height (handle in working position)	in	37.5 x 14 x 36	37.5 x 14 x 36
Lowest operating height	in	25	25
Operating weight	lb	137	142
Size of base plate (w x l)	in	14 x 20.5	14 x 20.5
Shipping weight (including packaging)	lb	144	149
Shipping size (l x w x h)	in	25.5 x 16 x 33	25.5 x 16 x 33
Max. forward travel (depending on soil)	ft/min	85	85
Max. forward travel (depending on asphalt)	ft/min	-	95
Max. compacted area (depending on soil)	ft ² /h	5,900	5,900
Max. compacted area (depending on asphalt)	ft ² /h	-	6,569
Max. gradeability (depending on soil)	%	30	30
Vibration Frequency	vpm	5,800	5,800
Centrifugal force	lb	2,470	2,470
Engine type		air-cooled single cylinder 4-cycle gasoline engine	
		Honda	Honda
		GX120	GX120
Displacement	in ³	7.2	7.2
Max. power output at speed	hp	4.0	4.0
	rpm	3,900	3,900
Tank capacity (water)	qt	-	8.0
Fuel consumption	qt/h	0.9	0.9
Tank capacity (fuel)	qt	2.6	2.6

Power transmission from drive engine via centrifugal clutch and V-belt directly to exciter

VALUE VIBRATORY PLATES Advantages

- Optimally suited for a variety of compaction applications thanks to their high speed of advance and simple maneuverability.
- Guide handle with patented vibration dampening increases operator comfort and reduces fatigue.
- Specially designed exciter bearings reduce maintenance and are suitable for hot asphalt applications.
- Ergonomically designed lifting handles make loading and unloading from transport vehicles easy.
- The large capacity water tank features wide filler opening on the asphalt vibratory plate models for easy operator use.
- Models feature either a WM170 engine gasoline engine or a Honda gasoline engine.



VP 1340AW

Application

These value plates are ideal for curbs, gutters, around tanks, forms, columns, footings, guard railings, drainage ditches, gas and sewer works and building construction. The asphalt models are suitable for hot or cold asphalt applications in confined areas.

Specifications

Technical Data		VP 1340 / VP 1340W	VP 1340A / VP 1340AW
Length x width x height (handle in working position)	in	40 x 15.5 x 32	40 x 15.5 x 32
Operating weight	lb	163 / 168	163 / 168
Shipping weight (including packaging)	lb	171 / 176	171 / 176
Lowest operating height	in	26.5	26.5
Size of base plate (w x l)	in	15.5 x 23	15.5 x 23
Shipping size (l x w x h)	in	27 x 21 x 32	27 x 21 x 32
Max. forward travel (depending on soil)	ft/min	75	75
Max. forward travel (depending on asphalt)	ft/min	- / 84	- / 84
Max. compacted area (depending on soil)	ft ² /h	5,900	5,900
Max. compacted area (depending on asphalt)	ft ² /h	- / 6,594	- / 6,594
Max. gradeability (depending on soil)	%	30	30
Vibration frequency	vpm	5,800	5,800
Centrifugal force	lb	2,925	2,925
Engine type		air-cooled single cylinder 4-cycle gasoline engine	
		WACKER	Honda
		WM170	GX160
Displacement	in ³	10.3	9.9
Max. power output at speed	hp	6.0	5.5
	rpm	4,000	3,900
Tank capacity (water)	qt	- / 8	- / 8
Fuel consumption	qt/h	1.6	1.9
Tank capacity (fuel)	qt	3.8	3.9

Power transmission from drive engine via centrifugal clutch and V-belt directly to exciter

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VALUE VIBRATORY PLATES Advantages

- Optimally suited for a variety of compaction applications thanks to their high speed of advance and simple maneuverability.
- Guide handle with patented vibration dampening increases operator comfort and reduces fatigue.
- Specially designed exciter bearings reduce maintenance and are suitable for hot asphalt applications.
- Ergonomically designed lifting handles make loading and unloading from transport vehicles easy.
- The large capacity water tank features wide filler opening on the asphalt vibratory plate models for easy operator use.
- Models feature either a WM170 engine gasoline engine or a Honda gasoline engine.



VP 1550AW

Application

These value plates are ideal for curbs, gutters, around tanks, forms, columns, footings, guard railings, drainage ditches, gas and sewer works and building construction. The asphalt models are suitable for hot or cold asphalt applications in confined areas.

Specifications

Technical Data		VP 1550 / VP 1550W	VP 1550A / VP 1550AW
Length x width x height (handle in working position)	in	40 x 19.5 x 36	40 x 19.5 x 36
Operating weight	lb	184 / 190	184 / 190
Shipping weight (including packaging)	lb	188 / 194	188 / 194
Lowest operating height	in	26.5	26.5
Size of base plate (w x l)	in	19.5 x 23	19.5 x 23
Shipping size (l x w x h)	in	27 x 21 x 32	27 x 21 x 32
Max. forward travel (depending on soil)	ft/min	67	67
(depending on asphalt)	ft/min	- / 75	- / 75
Max. compacted area (depending on soil)	ft ² /h	6,600	6,600
(depending on asphalt)	ft ² /h	- / 7,388	- / 7,388
Max. gradeability (depending on soil)	%	30	30
Vibration frequency	vpm	5,800	5,800
Centrifugal force	lb	3,375	3,375
Engine type		air-cooled single cylinder 4-cycle gasoline engine	
		WACKER	Honda
		WM170	GX160
Displacement	in ³	10.3	9.9
Max. power output at speed	hp	6.0	5.5
	rpm	4,000	3,900
Tank capacity (water)	qt	- / 8	- / 8
Fuel consumption	qt/h	1.6	1.9
Tank capacity (fuel)	qt	3.8	3.9

Power transmission from drive engine via centrifugal clutch and V-belt directly to exciter

VALUE VIBRATORY PLATES Advantages

- High speed of advance and simple maneuverability.
- Guide handle with patented vibration damping.
- Specially designed exciter bearings.
- Ergonomically designed lifting handles.
- A diesel engine option allows for the standardization of your jobsite equipment and also offers weight advantages.



VP 2050A

Application

These value plates are well suited for construction applications such as compaction of sand, gravel and crushed aggregate for foundations, footings or driveways, base preparation for concrete slabs, curbs and gutters.

Specifications

Technical Data		VP 2050A	VP 2050Y
Length x width x height (handle in working position)	in	41.5 x 19.5 x 34	41.5 x 19.5 x 34
Operating weight	lb	230	250
Shipping weight (including packaging)	lb	235	260
Lowest operating height	in	27	26
Size of base plate (w x l)	in	20 x 23	20 x 23
Shipping size (l x w x h)	in	29 x 22 x 33	29 x 22 x 33
Max. forward travel (depending on soil)	ft/min	80	80
Max. compacted area (depending on soil)	ft ² /h	7,880	7,880
Max. gradeability (depending on soil)	%	30	30
Vibration frequency	vpm	5,800	5,800
Centrifugal force	lb	4,500	4,500
Engine type		air-cooled single cylinder 4-cycle gasoline engine	air-cooled single cylinder diesel engine
		Honda	Yanmar
		GX160	L48
Displacement	in ³	9.9	12.9
Max. power output (DIN ISO 3046) at speed	hp	5.5	4.7
	rpm	3,900	4,000
Fuel consumption	qt/h	1.9	1.0
Tank capacity (fuel)	qt	3.9	2.64

Power transmission from drive engine via centrifugal clutch and V-belt directly to exciter

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REVERSIBLE VIBRATORY PLATES

Advantages

- + Unique durable, integrated wheel set provides maximum built-in mobility.
- + Single lever direction control provides for easy operation.
- + An adjustable guide handle can be locked into a vertical position for easy transport and storage.
- + Heavy-duty frame features a central lifting point for easy on/off loading and placement of plate into trenches.
- + Tough ductile iron baseplate is extremely durable even under extreme conditions and provides for long service life.
- + Specially designed shockmount system offers a virtually vibration-free guide handle for increased operator comfort and reduced operator fatigue.



Application

Compaction in confined areas of granular and mixed soils. Ideal for compaction in utility trenches, along highways, dams, parking areas, airports, bridge construction, railroad beds, along foundations, walls and abutments.

Specifications

Technical Data		BPU 2540A	BPU 3050A
Length x width x height (guide handle in working height)	in	51.2 x 15.8 x 41.7	51.2 x 19.7 x 41.7
Lowest working height	in	31.5	31.5
Base plate thickness	in	0.4	0.4
Operating weight	lb	308	366
Shipping weight	lb	348	410
Compaction depth	in	16	18
Centrifugal force	lbf	5,625	6,750
Vibrations	vpm	5,400	5,400
Forward and reverse speed	ft/min	up to 68.9	up to 68.9
Max. compacted area	ft ² /h	5,425	6,779
Max. gradeability	%	30	30
Engine type		air-cooled single-cylinder 4-cycle gasoline engine	
		Honda	Honda
Displacement	in ³ (cm ³)	9.95	16.5
Max. power output (per DIN-ISO 3046)	hp at rpm	5.5 3,600	9.0 3,600
Rated power output (per DIN-ISO 3046)	hp at rpm	2.0 2,800	2.6 2,800
Fuel consumption	qt/h	0.85	1.2
Tank capacity (fuel)	qt	3.9	5.29

Power transmission from engine via centrifugal clutch and V-belt onto exciter which transmits centrifugal force directly onto baseplate.

REVERSIBLE VIBRATORY PLATES

Advantages

- + Infinitely variable forward and reverse operation, including "spot" compaction.
- + Adjustable guide handle.
- + Heavy-duty roll cage and lifting eye.
- + Powerful diesel engines.
- + Totally enclosed V-belt drive and oil-lubricated exciter running on heavy-duty roller bearings.
- + Optimum shockmount design reduces handle vibration.
- + Impact and wear resistant ductile iron baseplate.
- + Low profile and narrow width.
- + Standard extension plates can be removed for narrow trench work.
- + Protective apron keeps materials out of baseplate.



Application

For compaction of sand and gravel, crushed aggregate as well as mixed soils with some cohesive content. Ideally suited where forward-reverse operation is required, such as in trenches and backfilling along foundations.

Specifications

Technical Data		BPU 3545A	DPU 4045H	DPU 4045Y
Length x width x height (guide handle in working position)	in	67 x 17.3 x 45	56 x 23.5 x 36	56.5 x 23.5 x 35.5
Lowest working height	in	28	30.5	30
Size of baseplate (w x l)	in	23.6 x 35.5	24 x 35.5	24 x 35.5
Without standard extension plates	in		18 x 35.5	18 x 35.5
Operating weight	lb	700	725	655
Shipping weight	lb	725	730	670
Shipping size (l x w x h)	in	45 x 24 x 61	45 x 24 x 52	45 x 24 x 52
Compaction depth	in	up to 28	up to 28	up to 28
Compacted area	ft ² /h	up to 8500	up to 8900	up to 8900
Forward & reverse speed	ft/min	up to 72	up to 79	up to 79
Gradeability	%	up to 34	up to 40	up to 40
Vibration frequency	vpm	4140	4150	4150
Centrifugal force	lb	7870	9000	9000
Engine type		air-cooled 4-cycle, single cylinder, diesel engine		
		Honda	Hatz Supra	Yanmar
Displacement	in ³	16.5	25.2	18.1
Power	hp	9	8.4	6.7
Operating speed	rpm	3600	2850	3600
Fuel consumption	qt/h	1.6	1.9	1.8
Fuel tank capacity	qt	6.3	5.3	3.7

Power transmission from engine via centrifugal clutch and V-belt onto exciter which transmits centrifugal force directly onto baseplate.

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COMPACTION

Advantages

- + Infinitely variable forward and reverse operation, including "spot" compaction.
- + Adjustable guide handle.
- + Heavy-duty roll cage and lifting eye.
- + Powerful diesel engines.
- + Totally enclosed V-belt drive and oil-lubricated exciter running on heavy-duty roller bearings.
- + Optimum shockmount design.
- + Impact and wear resistant ductile iron baseplate.
- + Low profile and narrow width.
- + Standard extension plates can be removed for narrow trench work.
- + Variable speed for thick and thinner soil lifts.
- + Protective apron keeps materials out of baseplate.



Application

For compaction of sand and gravel, crushed aggregate as well as mixed soils with some cohesive content. Ideally suited where forward-reverse operation is required, such as in trenches and backfilling along foundations.

Specifications

Technical Data		BPU 5045A	DPU 5045H	DPU 6055
Length x width x height	in	67 x 24 x 45	67 x 24 x 45	59 x 28 x 45
Lowest working height	in	28.3	31	33
Size of baseplate (w x l)	in	24 x 35.5	24 x 35.5	28 x 35.5
Without standard extension plates	in	18 x 35.5	18 x 35.5	22 x 35.5
Operating weight	lb	710	904	1041
Shipping weight	lb	735	929	1066
Shipping size (l x w x h)	in	45 x 24 x 61	45 x 24 x 61	45 x 31 x 61
Compaction depth	in	up to 34	up to 34	up to 40
Compacted area	ft ² /h	up to 10,800	up to 10,800	up to 11,900
Forward and reverse speed	ft/min	up to 92	up to 92	up to 92
Gradeability	%	up to 40	up to 40	up to 40
Vibration frequency	vpm	4140	4150	4150
Centrifugal force	lb	11,240	11,240	13,500
Engine type		air-cooled, 4-cycle, single cylinder, Hatz Supra diesel engine with electric start		
Displacement	in ³	23.7	25.2	41
Power	hp	13	8.4	13.4
Operating speed	rpm	2600	2850	2850
Fuel consumption	qt/h	2.1	1.9	2.3
Fuel tank capacity	qt	6.8	5.3	7.4

Power transmission from engine via centrifugal clutch and V-belt onto exciter which transmits vibrations and centrifugal force directly onto baseplate.

Advantages

- + Innovative stand-by mode design allows machine to immediately go into idle running mode when operator lets go of the joysticks.
- + Innovative infrared remote control idles machine if operator comes too close to the sensing eye with the control box or loses visual contact with the machine.
- + High degree of efficiency, power and durability from V-belt technology.
- + Retractable infrared sensing eye.
- + Ergonomic design and intuitive handling of the remote control offer straightforward and simple operation.
- + Low oil shutdown device and a cyclonic air cleaner. The engine is extremely resistant to high or low temperatures and dust and requires minimum service.



DPU 7060SC

Application

For sand, gravel and mixed soils. Ideally suited where forward and reverse operation is required, such as in trenches, backfilling along foundations and surface compaction.

Specifications

Technical Data		DPU 7060SC
Length x width x height	in	48 x 31.5 x 31
Operating weight (without / with extension plates)	lb	1,288 / 1,356
Shipping weight (including packaging)	lb	1,411
Operating width (without / with extension plates)	in	24.8 / 31.5
Shipping size (l x w x h)	in	49.2 x 34.3 x 39.4
Compaction depth	in	up to 40
Base plate thickness	in	0.55
Max. forward and reverse travel (depending on soil)	ft/min	82
Max. compacted area with standard extension plates (depending on soil)	ft ² /h	11,302
Max. gradeability (depending on soil)	%	40
Vibration frequency	vpm	3,050
Centrifugal force	lb	15,510
Engine type		air-cooled single cylinder diesel engine Farymann 43 F
Max. power output at speed	hp / rpm	14.8 / 3,000
Fuel consumption	qt/h	1.5
Tank capacity (fuel)	qt	7.9
Max. allowable tilt	°	15

Power transmission from drive engine via centrifugal clutch and V-belt directly to exciter

REVERSIBLE VIBRATORY PLATES

Advantages

- + Infinitely variable forward and reverse operation for variable applications and soil conditions.
- + Adjustable guide handle.
- + Oil pressure and battery charge level indicators.
- + Compact design with low center of gravity and low working height.
- + Wear resistant ductile iron baseplate.
- + Heavy-duty protective frame with central lifting point and hinged access covers.
- + High centrifugal force and travel speed.



DPU 100-70

Application

For sands, gravels and mixed soils. Ideally suited where forward and reverse operation is required, such as trenches, backfill along foundations and surface compaction.

Specifications

Technical Data		DPU 100-70
Length x width x height	in	82.5 x 38 x 46.5
Lowest working height	in	35.5
Size of baseplate (w x l)	in	38 x 42.3
Without standard extension plates	in	27.5 x 42.3
Operating weight	lb	1566
Shipping weight	lb	1753
Shipping size (l x w x h)	in	54 x 41 x 67
Compaction depth	in	up to 40
Compacted area	ft ² /h	up to 17,540
Forward speed	ft/min	0-98
Reverse speed	ft/min	0-98
Gradeability	%	up to 40
Vibration frequency	vpm	3360
Centrifugal force	lb	22,500
Engine type		air-cooled, two cylinder Lombardini diesel engine with electric start
Displacement	in ³	58.2
Power	hp	21.5
Operating speed	rpm	3000
Fuel consumption	qt/h	2.7
Fuel tank capacity	qt	7.4

Power transmission from engine via centrifugal clutch and V-belt onto exciter which transmits vibrations and centrifugal force directly onto baseplate.

VIBRATORY ROLLERS

Advantages

- + Dual smooth drums with beveled edges.
- + Low oil shutdown for maximum engine protection.
- + Guide handle folds for compact storage, and features excellent shock mounting for low vibration.
- + Large rubber shock mounts absorb vibration to the upper components.
- + Easy to operate handle with vibration control.
- + Unique clutch/pump drive system provides easy cold weather starting and allows for no-load starting of engine.



RD 7H-ES

Application

These walk-behind, double drum vibratory rollers are capable of performing a wide range of soil and asphalt compaction applications. The exclusive compact design allows for tight side clearance on both sides of the roller. Plus the totally hydrostatic drive eliminates mechanical components providing for less maintenance and greater reliability.

Specifications

Technical Data		RD 7H-ES
Dry weight	lb	1703
Operating weight	lb	1829
Drum diameter	in	16.5
Drum width	in	25.5
Overall size with handle down (l x w x h)	in	103.5 x 27.5 x 46
Curb clearance (R and L)	in	9.2
Side clearance (R and L)	in	1.2
Water tank capacity	gal	14
Shipping weight	lb	1710
Shipping size (l x w x h)	in	58 x 36 x 91
Engine type		air-cooled, 4-cycle, single cylinder, Hatz diesel
Starting system		Electric
Displacement	in ³	25.2
Maximum power @ 3.600	hp (kw)	8.6 (6.3)
Operating power	hp (kw)	7.5 (5.5)
Operating speed	rpm	2,800
Fuel consumption	gal/h	.44
Fuel tank capacity	gal	1.3
Dynamic (centrifugal) force	lb	2925
Frequency	vpm	3300
Static linear force per drum (f/r)	lb/in	29/43
Dynamic linear force per drum (f/r)	lb/in	57/57
Total linear force per drum (f/r)	lb/in	86/100
Compaction depth on soil/asphalt	in	12/4
Variable speeds - Forward/Reverse	mph	0-2.5/0-1.2
	ft/min	0-220/0-105
Maximum gradeability (without vibration)	%	40
Max. area capacity	ft ² /h	28,115

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COMPACTION

VIBRATORY ROLLERS Advantages

- + Infinitely variable hydrostatic drive.
- + Automatic braking system in forward and reverse.
- + Beveled steel drum has adjustable and reversible polyurethane self-cleaning scrapers.
- + Transport drive system is fully enclosed.
- + Adjustable, enclosed handle.
- + Maintenance-free, fully enclosed drum drive.
- + Large anti-rust coated water tank. Snap-out sprinkling system and in-line filter screen.
- + Fixed steel supports balance roller on RS 800A.
- + Central lifting device.
- + Electric start on RSS 800A, with recoil start backup.



RSS 800A

Application

A lightweight and highly maneuverable roller for effective compaction of sand, gravel, soil and asphalt. Ideal for smaller repair and maintenance jobs on roadways, walkways, bridges and parking lots. High curb clearance and close side clearance accommodate work adjacent to curbs and walls.

Specifications

Technical Data		RS 800A	RSS 800A
Length x width x height	in	72 x 33 x 50	72 x 33 x 50
Operating weight	lb	1000	1025
Drum diameter	in	22	22
Drum width	in	28.3	28.3
Curb clearance	in	16	16
Shipping weight	lb	1025	1050
Shipping size (l x w x h)	in	48 x 42 x 77	48 x 42 x 77
Water tank capacity	gal	8	8
Engine type		air-cooled, 4-cycle, single cylinder Honda gasoline	12V Electric & Recoil Honda gasoline
Starter		Recoil	12V Electric & Recoil
Displacement	in ³	20.5	20.5
Power	hp	11	11
Operating speed	rpm	2400	2400
Fuel consumption	gal/h	.6	.6
Fuel tank capacity	gal	1.8	1.8
Total centrifugal force	lb	3400	3400
Frequency	vpm	4200	4200
Static linear force	lb/in	36	36
Dynamic linear force	lb/in	125	125
Compaction depth:	soil in asphalt in	up to 10 up to 4	up to 10 up to 4
Transmission		Hydrostatic	Hydrostatic
Variable speeds			
Forward	mph ft/min	0-2.3 0-200	0-2.3 0-200
Reverse	mph ft/min	0-1.7 0-150	0-1.7 0-150
Area capacity	ft ² /h	up to 28,300	up to 28,300
Gradeability	%	15	15

VIBRATORY ROLLERS Advantages

- + Dual joystick control box for easy steering. "Smart Control" (SC) system uses an infrared signal with line-of-sight control. If the operator comes within 5 feet of the roller's sensing eyes with the control box, the unit will stop moving and vibrating.
- + A patented below the axle exciter in each drum for superior compaction results.
- + The Engine Control Module (ECM) with diagnostic LEDs monitors all the engine functions.
- + Easy to open hood is extremely durable, rust-free and virtually dent-free.
- + Removable fuel and hydraulic tanks along with hydraulic connectors located on one side of the unit provide for easy accessibility and improved overall serviceability.



RT 82-SC

Application

These trench rollers are ideally suited for the compaction of sub bases for foundations, roads and parking lots; the sheepfoot drums and vibration speed also offer optimum compaction of cohesive soils.

Specifications

Technical Data		RT 56-SC	RT 82-SC
Operating weight	lb	3068	3247
Drum diameter	in	20.5	20.5
Drum width	in	22	22
Overall size (l x w x h)	in	73 x 22 x 48.5	73 x 32 x 48.5
Shipping weight	lb	3253	3434
Shipping size (l x w x h)	in	89 x 35 x 54.5	89 x 35 x 54.5
Engine type		liquid cooled, 4-cycle, 3-cylinder Lombardini diesel engine with electric start	
Displacement	in ³	56	56
Maximum power	hp	21	21
Operating power	hp	18	18
Operating speed	rpm	2600	2600
Fuel consumption	gal/h	1.5	1.5
Fuel tank capacity	gal	6.3	6.3
Vibration frequency	vpm	2500	2500
Dynamic (centrifugal) force total	lb	7700/15400	7700/15400
Total applied force (max.)	lb	18468	18647
Static linear force per drum	lb/in	78	54.6
Dynamic linear force per drum (max.)	lb/in	393	258
Total linear force per drum (max.)	lb/in	471	312.6
Compaction depth	in	29.5	29.5
Working speed	ft/min	66	66
Travel speed - forward only	ft/min	131	131
Area Capacity	ft ² /h	7260	10560
Gradeability without/with vibration	%	50/45	50/45
Turning radius - inside	in (mm)	73	63

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COMPACTION