

// COMPACTION EQUIPMENT

HITACHI



ZV-R SERIES RAMMERS

ZV55R **ZV65R** **ZV75R**

ZV-P SERIES VIBRATORY PLATES

ZV40PF **ZV60PF** **ZV80P**

ZV-PR SERIES REVERSIBLE VIBRATORY PLATES

ZV250PR-G **ZV250PR-D** **ZV350PR-De**

VIBRATORY PLATES

ZV40PF ZV60PF ZV80P

The Hitachi ZV-P series vibratory plate compactors utilise safety cushions, reinforced bottom plate and triple vibration-resistant design to deliver high compaction, durability and easy operation.

Boasting a low-amplitude and high-frequency, these plate compactors are an effective tool in soil compaction. Greater productivity is generated through longer working hours as a result of reduced operator fatigue.

FEATURES OF THE ZV-P SERIES

TRIPLE VIBRATION-PROOF DESIGN



The triple vibration-proof design, comprising an engine rubber vibration isolator, handle rubber pad and handle stopper rubber, reduces vibration transmitted to the operator's hands.

BELT TENSION ADJUSTER



V-belt tension can be easily adjusted with a ratchet. The adjusting belt is strategically located to protect it from external damage.

ENGINE OIL DRAIN*



An opening (drain hole) in the engine base prevents engine oil from adhering to the compaction plate.

* Equipped on ZV60PF.

SAFETY CUSHION



Damage to the machine due to hazards like drops during transportation is minimised.

REINFORCED BASE PLATE



Double base plates improve the durability in patching.

OPTIONS



An exciter unit equipped on the box type base plate* and a swingable handle allows the operator to turn the machine particularly in trenches.

* ZV80P only



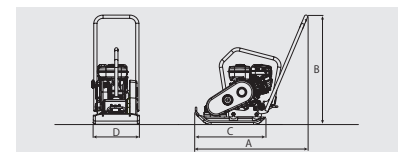
SPECIFICATIONS

Model		ZV40PF	ZV60PF	ZV80P
Machine weight	kg	49	69	89
Travel speed*	m/min	18	21	21
Vibration frequency	Hz (vpm)	96 (5760)	97 (5820)	107 (6420)
Centrifugal force	kN (kgf)	7.5 (760)	10.2 (1040)	17.6 (1790)
Fuel tank capacity	L	1.5	2.7	3.6
Engine				
Model		Subaru EH09-2D	Subaru EX13D	Subaru EX17D
Rated output	kW/min ⁻¹ (HP/rpm)	1.5/3600 (2.0/3600)	2.2/3600 (2.9/3600)	2.9/3600 (3.9/3600)
Engine speed, max	min ⁻¹	3750	3750	3750
Engine speed, idle	min ⁻¹	1650	1650	1650

DIMENSIONS

Model	ZV40PF	ZV60PF	ZV80P
A	845	885	875
B	810	850	845
C	480	520	480
D	300	360	485

Unit: mm



RAMMERS

ZV55R ZV65R ZV75R

The Hitachi ZV-R series rammers provide operators with powerful compaction performance with low hand/arm vibration. Its excellent manoeuvrability and compact design make it suitable for tough site conditions.

Convenient operation is achieved with a user-friendly throttle lever and an engine stop switch positioned close to the operator's hand. Additionally, a steel cover offers added protection and durability for the engine.

FEATURES OF THE ZV-R SERIES

MANOEVRABILITY

Reduced Hand / Arm Vibration

CONTROLLABILITY

Propelling Power

COMPACTION FORCE

Powerful Compaction Force



LOW-VIBRATION HANDLE



EASY TO OPERATE THROTTLE LEVER



VISIBLE OIL GAUGE



OPTIONS (ROLLER, HANDGRIP)



SPECIFICATIONS

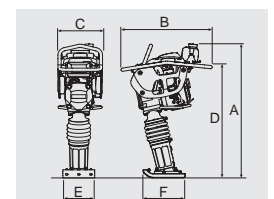
Model		ZV55R(R)	ZV65R(R)	ZV75R(R)
Machine weight	kg	63	65	79
Fuel		Unleaded gasoline		
Fuel tank capacity	L	2.7		
Performance				
Vibration Frequency	Hz (vpm)	11.2 (672)	11.2 (672)	11.2 (672)
Impact Force*	kN/blow	16 - 28	20 - 36	24 - 43
Jump Stroke*	mm	26 - 43	39 - 59	30 - 62
Travel Speed*	m/min	10	10	10
Engine				
Model		Subaru EH09-2F	Subaru EH09-2F	Subaru EH12-2D
Rated output	kW(HP)	1.5 (2.0)	1.5 (2.0)	2.1 (2.8)
Engine speed, max	min ⁻¹	3750	3750	3750
Engine speed, idle	min ⁻¹	1600	1600	1650

*Data according to our own standard criteria.

DIMENSIONS

Model	ZV55R(R)	ZV65R(R)	ZV75R(R)
A: Overall Height	1050	1050	1090
B: Overall Length	715	715	730
C: Overall Width	360	360	410
D: Handle Height	880	880	960
E: Ramming Shoe (W)	250	250	280
F: Ramming Shoe (L)	335	335	335

Unit: mm



REVERSIBLE VIBRATORY PLATES

ZV250PR-G ZV250PR-D ZV350PR-De

The powerful Hitachi ZV-PR series reversible vibratory plates feature a stylish compact body for excellent workability and manoeuvrability on the worksite.

A robust engine frame delivers a high level of durability supported by a strengthened base plate. This offers easy cleaning by shaking off heaped soil and sand using compaction vibration.

FEATURES OF THE ZV-PR SERIES

FORWARD/REVERSE LEVER



The lever is easy to operate. Tilt inwards to move forward, and outwards to reverse.

GUIDE HANDLE LOCK



The guide handle is automatically locked when set upright. To unlock the guide handle, simply lift up the guide handle lock.



CENTRALISED MAINTENANCE



Service parts are located at the front of the equipment for centralised maintenance.

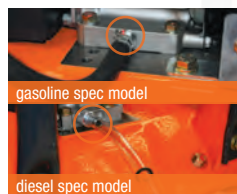
* Photo shows the ZV350PR-De.

HOUR METER



An hour meter comes standard on all models for timely maintenance.

ENGINE OIL DRAIN



Oil is automatically drained by fitting the supplied nozzle hose (diesel models), or drained from the hose by disconnecting the plug (gasoline models).

OPTIONS



Extension plates available for widening the surface compaction area (ZV350PR-De).



Urethane pad available for use on interlocking block pavement (ZV250PR-D and ZV250PR-G).

SPECIFICATIONS

Model	ZV250PR-G	ZV250PR-D	ZV350PR-De	
Machine weight	kg	260	270	350
Travel speed*	m/min	25	25	25
Vibration frequency	Hz (vpm)	70 (4200)	70 (4200)	70 (4200)
Centrifugal force	kN (kgf)	38 (3880)	38 (3880)	46 (4690)
Fuel tank capacity	L	3.6	2.4	3.3
Engine				
Model	Subaru EX21	Yanmar L48N	Yanmar L70V	
Fuel	Gasoline	Diesel	Diesel	
Rated output	kW/min ⁻¹	3.7/3600	3.1/3600	4.3/3600
Start method	Recoil	Recoil	Recoil + Cell	

*Data according to our own standard criteria.

<Note> International System of Units (SI units) are used. Figures in parentheses are for reference.

These specifications contained within this brochure are subject to change without notice. Illustrations and photos show the standard models and, may or may not include optional equipment, accessories, and all standard equipment with some differences in colour and features. Before use, read and understand the Operator's Manual for proper operation.

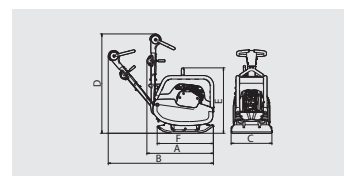
DIMENSIONS

Model	ZV250PR-G	ZV250PR-D	ZV350PR-De
Overall length			
A: Transport	850	850	920
B: Operation	1350*	1350*	1400*
C: Overall Width	500	500	450(600)
D: Transport Height	1250	1250	1250
E: Height of Guard	760	805	860
F: Base Plate Length	700	700	950

Unit: mm

Figures in parentheses indicate the dimensions with extension plates.

*Dimensions with the operating pole tilted at 50°



RAMMERS

POWERFUL PERFORMANCE & SOPHISTICATED STYLING



ZV55R



ZV65R



ZV75R

VIBRATORY PLATES

COMPACT BODY & HIGH DURABILITY



ZV40PF



ZV60PF



ZV80P

REVERSIBLE VIBRATORY PLATES

EXCELLENT MANOEUVRABILITY & EASY MAINTENANCE



ZV250PR-G



ZV250PR-D



ZV350PR-De

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