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Ground surface processing machine

Keywords: vibration impactor tamper,vibratory plate compactor,frog rammer

Ground surface processing machine includes vibration impactor tamper, vibratory plate compactor, frog rammer and concrete polishing machine used for founding roads, buildings, walls and other construction projects. This article mainly introduces three former types machine.

Frog rammer is widely used to compact the cement or plain soil works in the construction with features of powerful ramming, high efficiency and flexible turning. The features of frog rammer has: two supporting methods of bush and rolling bearing are used in the shaft ends. The bush is made of new GS-2 steel backing composite, which need no or less lubricating grease to turn. It is convenient to maintain or replace the rolling bearings. The framework is welded with quality steel

Frog rammer images



Frog rammer technical data

Model	HW60	HW50
Tamp strength(kg.m)	60	50
Times(times/min)	120-140	120-140
Speed advance(m/min)	8.14	7.12
Size(mm)	120*500	120*500
Motor power(KW)	2.2	2.2
Revolution(rpm)	1450	1450
Overall size(mm)	1050*500*640	1050*500*640
Weight(kg)	180	170

concrete mixer

batching plants

concrete trucks

trailer pump

gunite machine



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Vibration impactor tamper is used to compact the sand, gravel, the mixture of the lime, clay and sand to which water is added, the asphalt sand stone, lean concrete and clay. It is used in the compactness of the road, bridge foundation, house, reservoir dam, especially the narrow worksite, such as the floor inside house, yard and trench, it is competent at the construction that the large and middle impacting machinery cannot do. And this tamper can be divided into gasoline and vibrator impact temper.

It features small size, light weight, high impact capacity, high production efficiency, high edge-closing performance, simple operation, convenient moving, safe and reliable. The key parts as the folding box, damping block and spring are up to the standard. It is superior to the same product of its kind at home in the aspects of fatigue resistance and ageing resistance.

Vibration impactor tamper images



Gasoline Impact Tamper



Vibration Impact Tamper

Vibration Impact Tamper main technical data

Model	HCD70	HCD80	HCD80T	HCD90A
Jumping height(mm)	40-65	40-65	40-65	40-65
Impact strength(N.m)	56	60	60	60
Speed of advance(m/min)	10-13	15-25	10-13	10-13
Times(times/min)	420-650	250-750	420-640	420-650
Motor power(KW)	2.2	3	3	3
Weight(kg)	70	75	82	90
Size(mm)	300*280	300*280	300*280	300*280

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HCR Gasoline Impact Tamper main technical parameters

Type	HCR-80
Tampering force,N	16000
Jumping height, mm	60
Speed of advance, m/min	12
Weight, kg	80
Times, times/min	650
Type of gasoline engine	HONDA four-stroke air cool
Out-put power, Hp	4
Revolution, rpm	3600
Fuel consumption, g/kwh	310

Vibratory plate compactor is driven gasoline, also called gasoline vibratory plate compactor, and widely used for for compacting the foundations of the buildings, roads, and trenches which are filled with various soils, sandy, loam, crushed stone, slag, etc. It compacts them solidly without dead angles, also has a good hem.

Vibratory plate compactor features mainly have

1. Suitable for the traffic, municipal works and construction sectors with unique functions to tamp the road shoulder, bridge surroundings, pavement of the street, surroundings of the sewer pipe and the culvert, floor inside and outside of the house, and the foot of the wall, especially the places that the large and middle tampering machinery cannot operate.
2. It features novel structure, good vibration absorption effect, stable running, safe, reliable, low noise, simple operation, low labor intensity, low power consumption and easy maintenance.
3. It is powered by the imported gasoline, which features small size, light weight, simple structure, easy operation and maintenance. It can tamp forward automatically.

DASION is one of professional concrete machine manufacturer, mainly produce these concrete machine, working with concrete manufacturing machine, such as concrete mixer, concrete batching plant, concrete vibrators, concrete truck mixers and other construction equipment.

concrete mixer



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Vibratory plate compactor images



Vibratory plate compactor technical specifications

Type	HZD200	HZR-100
Exciting force, kn	25	15
Running speed, m/min	20	-
Vibration frequency, Hz	50	67
Area, m ²	0.28	430*400
Gradability	0-17°	0-15°
Motor power, kw	4	-
noise, db	<85	-
Overall size, mm	1410*950*560	1000*430*850
Weight, kg	220	85
Tamp speed, m/min		20-25
Gasoline engineer		G×160

concrete mixer



batching plants



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