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WP-Premium Plates – Soil and Asphalt

Single direction Vibratory Plates



Premium vibratory plates for soil and asphalt compaction

The WP premium plate series feature a patented computer designed base plate that has a tapered bottom and edges for high speed and excellent maneuverability. Designed for the compaction of granular, mixed materials with some cohesive content. Water tank models are available for asphalt applications. These plates have set the standard for performance and durability in confined areas such as parking lots, highway and bridge construction, next to structures, curbs and abutments. WP plates are also popular for landscape applications for subbase and paver compaction.

- Lightweight, high strength aluminum components keep machine weight down and allow for easy handling.
- Straight, center-mounted guide handle offers superior maneuverability and can be lowered within inches of the surface to operate the plate under obstacles and form work.
- Tough, wear resistant ductile iron base plate offers durability and shock resistance.
- Water tank models have a large capacity polyethylene tank that includes a large filter inside the tank to prevent clogging during operation and can be easily removed for cleaning and draining.
- Asphalt models include a spray bar with angled holes to allow for complete water coverage for no asphalt pick up on the plate bottom.



Technical specifications

	WP 1540*	WP 1540A*	WP 1550*	WP 1550A*
Operating data				
Operating weight lb	190	185	194	190
Centrifugal force lbf	3,375	3,375	3,375	3,375
Base plate size (w x l) in	15.5 x 23	15.5 x 23	19.5 x 23	19.5 x 23
Operating width in	15.5	15.5	19.5	19.5
Height Lowest working in	20	20	20	20
Operating height in	38	38	38	38
Frequency Hz	100	100	100	100
Advance travel ft/min	100	85	100	100
Surface capacity ft ² /h	6,590	6,590	9,750	9,750
Engine / Motor				
Engine / Motor type	air-cooled, 4 cycle, single cylinder, gasoline engine	air-cooled, 4 cycle, single cylinder, gasoline engine	air-cooled, 4 cycle, single cylinder, gasoline engine	air-cooled, 4 cycle, single cylinder, gasoline engine
Engine / Motor manufacturer	Wacker Neuson	Honda	Wacker Neuson	Honda
Displacement in ³	10.3	9.9	10.3	9.9
Engine performance kW	4.5	4.1	4.5	4.1
at rpm rpm	3,900	3,900	3,900	3,900
Fuel consumption US gal/h	0.4	0.5	0.4	0.5
Tank capacity US qt	3.8	3.9	3.8	3.9
Power transmission	Power transmission from engine via centrifugal clutch and V-belt onto exciter which transmits centrifugal force onto baseplate.	Power transmission from engine via centrifugal clutch and V-belt onto exciter which transmits centrifugal force onto baseplate.	Power transmission from engine via centrifugal clutch and V-belt onto exciter which transmits centrifugal force onto baseplate.	Power transmission from engine via centrifugal clutch and V-belt onto exciter which transmits centrifugal force onto baseplate.

*Water tank models available. Tank capacity 11 qt/10.5 l.



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Please note

that product availability can vary from country to country. It is possible that information / products may not be available in your country. More detailed information on engine power can be found in the operator's manual; the stated power may vary due to specific operating conditions.

Subject to alterations and errors excepted. Applicable also to illustrations.

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