



DPS Range (18 kN)

Single direction Vibratory Plates



Powerful and versatile for all kinds of surface

With its three different models the forward traveling vibratory plate DPS 1850H offers a broad range of possible uses for continuous operation on tough jobs. The diesel engine with its large reserve capacity, the hard-wearing ductile graphite iron (GJS 700) base plate and the robust, maintenance-free exciter bearings all contribute to its long staying power on tough jobs. Careful thought has been given to the operator: The ergonomically located throttle and the vibration damping of the height-adjustable guide handle offer a high degree of comfort. The three types of DPS 1850H are: Basic, Asphalt and Vario.

- DPS 1850H Basic: The powerful all-rounder for soil, asphalt and paving stone compaction. Various attachments (water tank, protective frame, asphalt guide handle, paving pad) can be fitted in minutes.
- DPS 1850H Asphalt: Perfect for compacting surface layers and sub bases. The progressively adjustable water sprinkler system prevents cracking and sticking of asphalt. The guide handle permits lateral tilting of the vibratory plate to compact asphalt along edges.
- DPS 1850H Vario: Can be adapted to different types of surface, thanks to the adjustable centrifugal force (at the same frequency): Light to powerful. It is ideal for compacting surfaces with varying layer heights as well as those with different types of paving stones. Its variable speed and the option to fit a water tank also make it the perfect choice for asphalt.



Technical specifications

	DPS1850 Basic	DPS1850 Asphalt	DPS1850 Vario
Operating data			
Operating weight kg	111	128	108
Centrifugal force (Level 1) kN	18	18	11
Centrifugal force (Level 2) kN	0	0	18
Base plate size (W x L) mm	500 x 600	500 x 585	500 x 600
Operating width mm	500	500	500
Operating height min. mm	838	650	838
Frequency Hz	90	90	98
Advance travel max. (depending on soil & environmental factors) Level 1 m/min	22	22	20
Advance travel max. (depending on soil & environmental factors) Level 2 m/min	0	0	14
Surface capacity max. (depending on soil & environmental factors) Level 1 m ² /h	660	660	600
Surface capacity max. (depending on soil & environmental factors) Level 2 m ² /h	0	0	420
Engine / Motor			
Engine / Motor type	Air-cooled single-cylinder diesel engine	Air-cooled single-cylinder diesel engine	Air-cooled single-cylinder diesel engine
Engine / Motor manufacturer	Hatz	Hatz	Hatz
Engine / Motor	1 B 20	1 B 20	1 B 20
Displacement cm ³	232	243	232
Engine performance max. (DIN ISO 3046) kW	3.4	3.4	3.4
at rpm rpm	3,600	3,600	3,600
Fuel consumption l/h	1	1	1
Tank capacity (fuel) l	3	3	3
Tank capacity (water) l	0	11.2	0



	DPS1850 Basic	DPS1850 Asphalt	DPS1850 Vario
Power transmission	From drive motor via centrifugal clutch and V-belt direct to exciter.	From drive motor via centrifugal clutch and V-belt direct to exciter.	From drive motor via centrifugal clutch and V-belt direct to exciter.

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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