

Variation chart

A Q

Suction

B OPC

Screwdriver for screw counter

* Refer to p9 for screw counters
* The suction attachment sold separately.

DXF File



External dimensions can be viewed in DXF file format from the Hios homepage.

*Special software is required to view DXF files.

[Go to Electric Driver](#) | [DC Driver](#) | [DXF File](#)

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Hammerhead shape/ultrahigh torque

VBH Series (with shockless stand)

Push-to start type

VBH-1820PS
VBH-3012PS

Variations **A B** **RoHS**



Ideal for working with products requiring high torque levels.

- High torque screw applications that were previously only possible with air-powered screwdrivers can now be performed with a brushless screwdriver.
- Tightening to the same torque level can now be done reliably.
- Recoils when tightening the screws are absorbed by the shockless stand to reduce operator fatigue.
- Features a light action push trigger for improved usability.

Specifications

Model	VBH-1820PS		VBH-3012PS	
Control torque range N·m (kgf·cm)	3.0~8.0 (30~80)		4.0~10.0 (40~100)	
Unloaded Rotation speed (r.p.m) ±10%	470		270	
Screw Size (mm)	5.0~6.0		5.0~6.0	
Dimensions (mm)	Grip	Max \varnothing 41, Min \varnothing 39 (non-circular)	Max \varnothing 41, Min \varnothing 39 (non-circular)	
	Length	366	366	
Weight (kg)	1.9kg (includes the screwdriver cord and slide arm)			
Bit Type	1/4 HEX			
AC Cord Length (m)	3m			
Accessories	3 Hollow set screws (M4 x 6mm) 1 hexagonal L-shaped wrench (width between flats 2mm)			

Shockless stand specifications

Length of slide arm	Usable slide range	Brace height	Stand		
			Stand height	Mounting bolt hole diameter	Mounting bolt hole spacing
530	475	570	8	6	52 (Equilateral triangle, length of 1 side)

- Please inquire about purchases of VBH Series products.

Specifications

Lever start type Model	VB-1510		VB-1510-18		VB-1820		VB-3012		VB-4504	
Push-to start type Model	VB-1510PS		VB-1510PS-18		VB-1820PS		VB-3012PS		VB-4504PS	
Power Input / Power consumption (W)	AC 100V ±5% Approx. 20W		AC 100V ±5% Approx. 20W		AC 100V ±5% Approx. 40W		AC 100V ±5% Approx. 40W		AC 100V ±5% Approx. 40W	
	AC 120V ±5% Approx. 20W		AC 120V ±5% Approx. 20W		AC 120V ±5% Approx. 40W		AC 120V ±5% Approx. 40W		AC 120V ±5% Approx. 40W	
	AC 220~240V ±5% Approx. 25W		AC 220~240V ±5% Approx. 25W		AC 220~240V ±5% Approx. 32W		AC 220~240V ±5% Approx. 32W		AC 220~240V ±5% Approx. 32W	
Output Torque Range	N·m	0.25-1.5	0.2-1.0	0.4-1.8	0.5-3	1-4.5				
	lbf·in (kgf·cm)	2.2-13 (2.5-15)	2.2-10 (2-10)	3.5-16 (4-18)	4.3-26 (5-30)	8.7-39 (10-45)				
Torque Switching	Stepless Adjustment									
Unloaded Rotation Speed (r.p.m) ±10%	970		1,800		2,000		1,200		400	
Screw Size (mm)	Small Size Screw		2.0-4.0		2.6-4.0		3.0-5.0		3.0-5.0	
	Tapping Screw		2.0-3.0		2.6-3.0		3.0-4.0		3.0-4.0	
Bit Type	Hios 4 or 5 HEX or 1/4 HEX		Hios 4 or 5 HEX or 1/4 HEX		Hios 5 & 5 HEX or 1/4 HEX		Hios 5 & 5 HEX or 1/4 HEX		1/4 HEX	
AC Cord Length (m)	3m		3m		3m		3m		3m	
Accessories	Bit, ※1 1 of each	Hios H4	+ #1 (φ 4 × 40mm) + #2 (φ 4 × 40mm)		+ #1 (φ 5 × 60mm) + #2 (φ 5 × 60mm)		+ #1 (φ 5 × 60mm) + #2 (φ 5 × 60mm)		+ #1 (φ 5 × 50mm) + #2 (φ 5 × 50mm)	
		Hios H5	+ #1 (φ 5 × 50mm) + #2 (φ 5 × 50mm) - (φ 5 × 50mm)		+ #1 (φ 5 × 50mm) + #2 (φ 5 × 50mm) - (φ 5 × 50mm)		+ #1 (φ 5 × 50mm) + #2 (φ 5 × 50mm) - (φ 5 × 50mm)		+ #1 (φ 5 × 50mm) + #2 (φ 5 × 50mm) - (φ 5 × 50mm)	
		1/4 HEX	+ #1 (φ 5 × 50mm) + #2 (φ 5 × 50mm) - (φ 5 × 50mm)		+ #1 (φ 5 × 50mm) + #2 (φ 5 × 50mm) - (φ 5 × 50mm)		+ #1 (φ 5 × 50mm) + #2 (φ 5 × 50mm) - (φ 5 × 50mm)		+ #1 (φ 5 × 50mm) + #2 (φ 5 × 50mm) - (φ 5 × 50mm)	
	Screw for adjustment					M2.6 (panhead screw)		M2.6 (panhead screw)		
3PIN to 2PIN power cable adaptor is attached	1 piece		1 piece		1 piece		1 piece		1 piece	