

# VZ Series (AC Type)

120V

VZ-1820

VZ-3012

VZ-4506



Lever



Push

Ultra HI Torque

VZH-1820 (with Shockless Stand)

Ultra HI Torque

VZH-3012 (with Shockless Stand)



Lever



Push

## SPECIFICATIONS

Lever start model		VZ-1812	VZ-1820	VZ-3007	VZ-3012	VZ-4504	VZ-4506	VZH-1820	VZH-3012
Push-to-start model		VZ-1812PS	VZ-1820PS	VZ-3007PS	VZ-3012PS	VZ-4504PS	VZ-4506PS	VZH-1820PS	VZH-3012PS
AC input power (±5%)		220-240V	120V	220-240V	120V	220-240V	120V	120V	120V
Power consumption (W)*1		72W	60W	72W	60W	72W	60W	60W	
Output torque range (N·m)		0.4 - 1.8		0.9 - 3		1 - 4.5		3 - 7	4 - 10
Unloaded rotation speed (r.p.m.)±10% [HI / LOW]		1,200	2,000	700	1,200	400	600	470	270
Screw size (mm)	Machine screw	2.6 - 4.0		3.0 - 5.0		3.0 - 5.0		5.0 - 6.0	
	Tapping screw	2.6 - 3.0		3.0 - 4.0		2.6 - 4.0	3.0 - 4.0	5.0 - 6.0	
Outer dimensions	Grip diameter (Max)	∅37.8	∅37.8	∅37.8	∅37.8	∅37.8	∅37.8	∅37.8 / ∅45 (PS)	∅37.8 / ∅45 (PS)
	Length (mm)	276 / 280 (PS)	276 / 280 (PS)	276 / 280 (PS)	276 / 280 (PS)	276 / 280 (PS)	276 / 280 (PS)	361	
Weight (g)		660	660	660	660	660	660 / *2	2,450 (total)	
AC cord length		3m		3m		3m		3m	
Bit drive selection	Standard	H5 and 5HEX (compatible)		H5 and 5HEX (compatible)		1/4HEX		1/4HEX	
	Special Order	1/4HEX		1/4HEX		—		—	
Accessories	Bit (one each)	HIOS Shank	H5	+ #1 (∅5×60) + #2 (∅5×60)		—		—	
	HEX Shank	1/4HEX	+ #1 (5.0×50) + #2 (5.0×50) - (5.0×50)		—		—		
Plus screw for adjustment		—	M2.6 (pan head machine screw)	M2.6 (pan head machine screw)		—		M4×6 (hexagon socket head set screw)	
Carbon brush (model)		VZ18-0481B	VZ18-0480	VZ18-0481B	VZ18-0480	VZ18-0481B	VZ18-0480	VZ18-0480	
Shockless Stand		—	—	—	—	—	●	●	●
Variations	VZQ	HIOS Shank	●	●	●	●	—	—	—
		HEX Shank	—	—	—	—	—	—	—
VZ/VZH-OPC		▲	●	▲	●	▲	●	●	●

Notes: ▲ 220-240V types can be used by PLC connection. Please contact the HIOS distributor for details.

\*1 Power consumption is an approximate value. \*2 VZ-4506PS(with Shockless Stand)1,990g (total)

Spec. P.55 →