

CL Series (DC Type)

CL-2000



Lever

CL-3000



Lever

CL-4000



Lever



Push

CL-6000



Lever

CL-6500



Push

SPECIFICATIONS

Lever start model		CL-2000	CL-3000	CL-4000	CL-6000	CL-6500	CL-7000	—
Push-to-start model		—	—	CL-4000PS	CL-6000PS	CL-6500PS	CL-7000PS	CL-9000
Output torque range (N·m)		0.02 - 0.2	0.03 - 0.2	0.1 - 0.55	0.2 - 1	0.3 - 1.6	0.3 - 2.5	1.2 - 5
Unloaded rotation speed (r.p.m)±10% [HI / LOW]		680 / 490	1,000 / 670	1,000 / 690	800 / 500	900 / 600	750 / —	530
Screw size (mm)	Machine screw	1.0 - 2.3	1.0 - 2.0	1.4 - 2.6	2.0 - 3.0	2.0 - 4.0	2.0 - 5.0	4.0 - 6.0
	Tapping screw	1.0 - 2.0	1.0 - 1.7	1.4 - 2.3	2.0 - 2.6	2.0 - 3.0	2.0 - 4.0	4.0 - 6.0
Outer dimensions	Grip diameter (Max)	∅26	∅32.5	∅32.5 / ∅37.5 (PS)	∅37	∅37	∅37	∅52
	Length (mm)	166	183	197	220 / 221 (PS)	235 / 236 (PS)	255 / 256 (PS)	250
Weight (g)		200	350	380 / 430 (PS)	600	660	750	3,010 (total)
Power supply	CLT-45	○	○	○	○	○	—	CLT-80
	CLT-60	○	○	○	○	○	○	—
Bit drive selection	Standard	H4			H5			1/4HEX
	Special Order	—			1/4HEX or 5HEX		1/4HEX or 5HEX	
Accessories	Bit (one each)	HIOS Shank	H4	+ #0 (∅2.0×40) + #0 (∅2.5×40)		+ #0 (∅2.5×40) + #1 (∅4.0×40)		—
			H5	—		+ #1 (∅5×60) + #2 (∅5×60)		—
	HEX Shank	1/4HEX	—		+ #1 (∅5.0×50) + #2 (∅5.0×50) - (∅5.0×50)		+ #2 (7.0×100) + #3 (7.0×100)	
Torque adjustment spring		Yellow	Gold	Blue	—	White	Yellow	—
Cord length		1.5m (5P)			2m (5P)			2m (5P)
Carbon brush order code (Optional / 2 pcs per set)		—	A45-0420	CL4-0420	CL65-0490			CL9-0410
Variations	CLQ	HIOS Shank	●	●	●	●	●	—
		HEX Shank	—	—	—	—	—	—
	CL-ESD	●	●	●	●	●	●	—
	CLQ-CR-ESD	—	●	●	●	●	●	—
CL-NL	—	●	●	●	●	●	●	

Notes: ● The carbon brush for CL-2000 is enclosed in the motor and cannot be replaced. Although the life of the carbon brush depends on use conditions, as a guide, if you fasten about 6,000 screws a day, you need to replace the carbon brush 3 to 4 years after you start using it. Please contact a HIOS distributor for maintenance and repair.

Power supply [P.21](#) Spec. [P.55](#)