

Improved Torque, Compact Size
Enhanced Durability and Expandability
Hollow Back Case to Minimize the Cable Stress
Direct Screw Assembly to the Case (without Nut Insert)
Support RS-485 and TTL communication



Specification

Properties	Unit	XH Series							
		XH540-W270-T/R	XH540-W150-T/R	XH540-V270-R	XH540-V150-R	XH430-W350-T/R	XH430-W210-T/R	XH430-V210-R	XH430-V350-R
Stall Torque [N.m]	Nm	9.9	7.1	9.2	6.4	3.4	2.5	2.6	3.3
No Load Speed	rpm	39	70	34	60	30	50	52	31
Input Voltage	V	12	12	24	24	12	12	24	24
Resolution	Steps	4,096	4,096	4,096	4,096	4,096	4,096	4,096	4,096
Dimension (W×H×D)	mm	33.5 × 58.5 × 44	33.5 × 58.5 × 44	33.5 × 58.5 × 44	33.5 × 58.5 × 44	28.5 × 46.5 × 34	28.5 × 46.5 × 34	28.5 × 46.5 × 34	28.5 × 46.5 × 34
Weight	g	165	165	165	165	82	82	82	82
DC Motor	Type	Coreless (Maxon)	Coreless (Maxon)	Coreless (Maxon)	Coreless (Maxon)	Coreless (Maxon)	Coreless (Maxon)	Coreless (Maxon)	Coreless (Maxon)
Gear	Type	Spur	Spur	Spur	Spur	Spur	Spur	Spur	Spur
Gear Material	Type	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal
Case Material	Type	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal
Gear Ratio	-	272.5 : 1	272.5 : 1	272.5 : 1	152.3 : 1	353.5 : 1	212.6 : 1	212.6 : 1	353.5 : 1
Network Interface	-	TTL / RS485	TTL / RS485	RS485	RS485	TTL / RS485	TTL / RS485	RS485	RS485
MCU	-	Cortex-M3 (72 [Mhz], 32 [bit])	Cortex-M3 (72 [Mhz], 32 [bit])	Cortex-M3 (72 [Mhz], 32 [bit])	Cortex-M3 (72 [Mhz], 32 [bit])	Cortex-M3 (72 [Mhz], 32 [bit])	Cortex-M3 (72 [Mhz], 32 [bit])	Cortex-M3 (72 [Mhz], 32 [bit])	Cortex-M3 (72 [Mhz], 32 [bit])

Drawing

