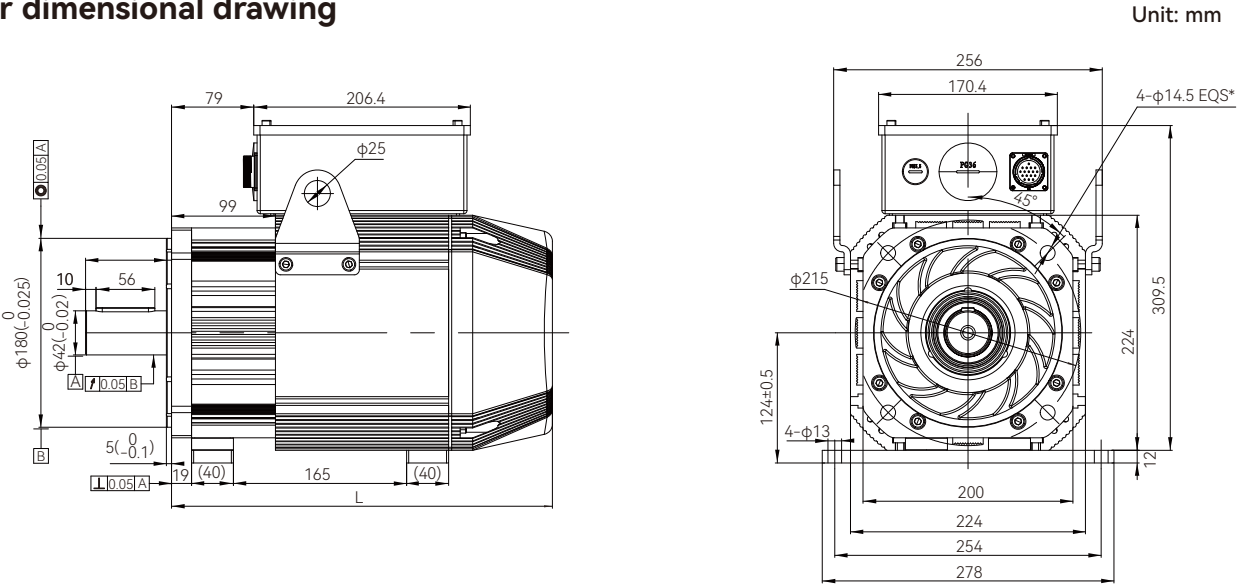
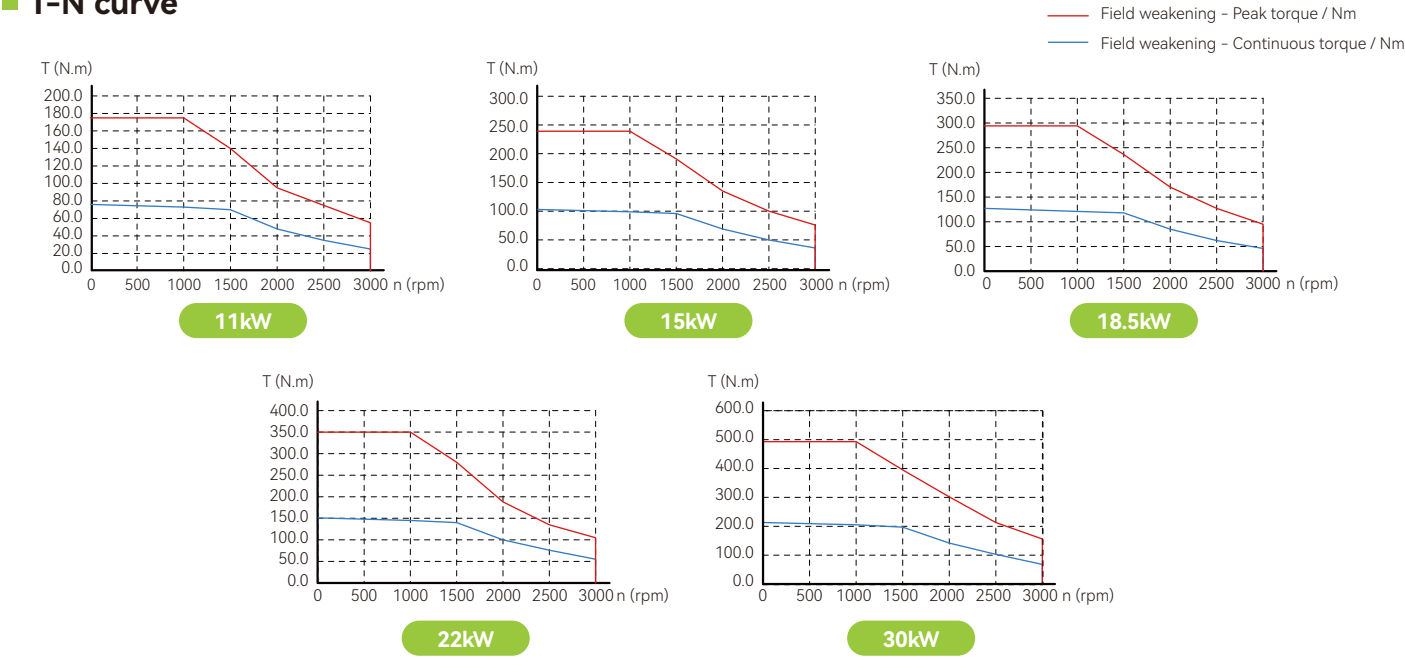


■ Motor dimensional drawing



	11kW	11kW with brake	15kW	15kW with brake	18.5kW	18.5kW with brake	22kW	22kW with brake	30kW
Model	11DA-N4CD-A20	11DA-B4CD-A20	15DA-N4CD-A20	15DA-B4CD-A20	18DA-N4CD-A20	18DA-B4CD-A20	22DA-N4CD-A20	22DA-B4CD-A20	30DA-N4CD-A20
L(mm)	363	500	395.5	533	428	566	460.5	598	558

■ T-N curve



Zhejiang Hecuan Technology Co., Ltd.
<https://www.hcfaglobal.com/>

Longyou Headquarters:
No.5 Qinshan Road, Longyou County Industrial Park, Quzhou City, Zhejiang Province, China

Hangzhou R&D Center:
No. 299 Lixin Road, Qingshanhu Science and Technology City, Lin'an District, Hangzhou City, Zhejiang Province, China



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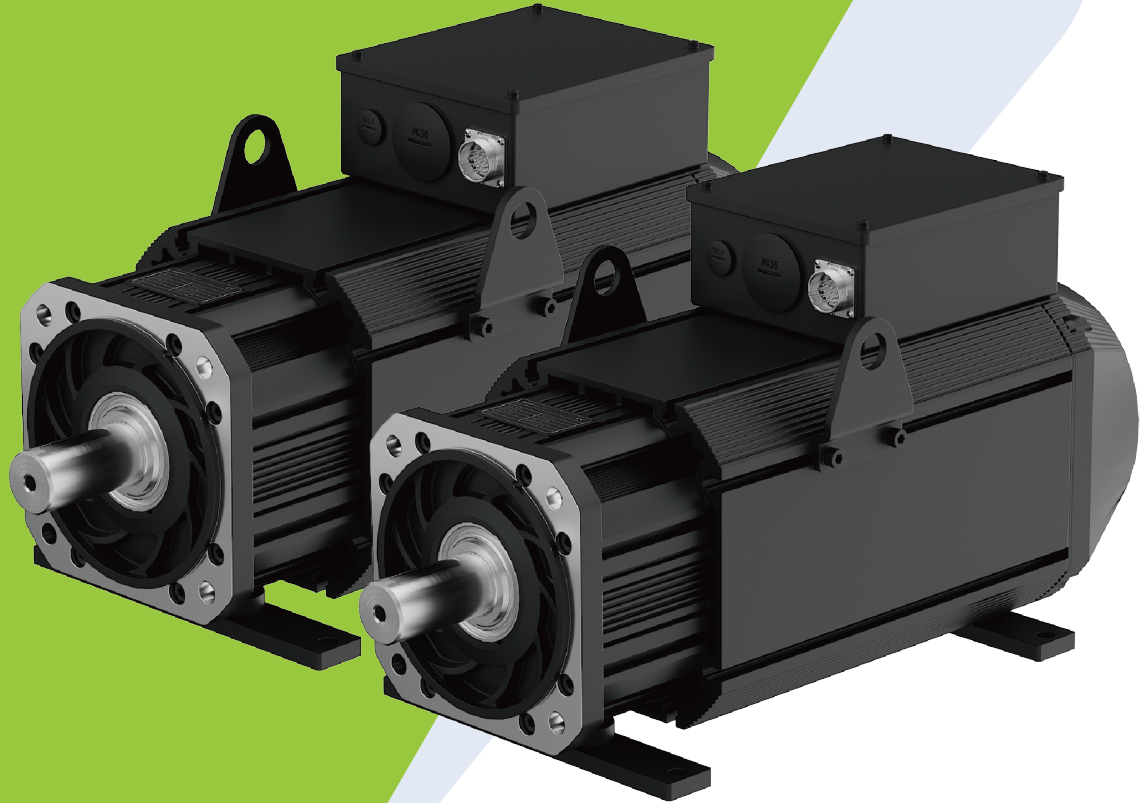
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All information in this document is subject to change without notice.
Brochure No.: May, 2026, Issue No.1

Due to the delayed update of the paper version, please refer to the official website for the latest product information.

X7 MOTOR

High-power Servo Motors



HCFA

■ Naming rules for X7 series motor

SV-X7 MM 11D A - N 4 C D Version: - A20

①

②

③

④

⑤

⑥

⑦

⑧

⑨

① Product series	
SV-X7	X7 series

② Inertia	
MM	IPM medium inertia - high capacity
MS	SPM medium inertia - high capacity

③ Power specification		
11D	15D	18D
22D	30D	37D
45D	55D	75D

*Note: 11D indicates 11 kW.

④ Design code	
A	Standard (200/260/360)
B	220 flange

⑤ Brake specification		
Brake/Keyway	With keyway	Without keyway (smooth shaft)
Without brake	N	J
With brake	B	K

⑥ Voltage specification	
Voltage class	AC
380V	4

⑦ Motor connection method		
Harness/ Oil seal	With oil seal	Without oil sea
Without harness	C	D
With harness	L	K
One cable	S	E

⑧ Encoder specification		
Encoder	Standard function	Safety certification
23-bit multi-turn	D	
25-bit multi-turn	F	G

⑨ Motor version	
Motor version	A20

■ Motor specifications

Flange (mm)	Power (kW)	Brake	Motor model	Voltage (V)	Rated torque (Nm)	Peak torque (Nm)	Rated speed (rpm)	Maximum speed (rpm)	Inertia (×10 ⁻⁴ kg·m ²)
200	11		SV-X7MM11DA-N4CD-A20	380	70	175	1500	3000	75
		√	SV-X7MM11DA-B4CD-A20	380	70	175	1500	3000	83
	15		SV-X7MM15DA-N4CD-A20	380	96	239	1500	3000	95
		√	SV-X7MM15DA-B4CD-A20	380	96	239	1500	3000	103
	18.5		SV-X7MM18DA-N4CD-A20	380	118	294	1500	3000	117
		√	SV-X7MM18DA-B4CD-A20	380	118	294	1500	3000	125
	22		SV-X7MM22DA-N4CD-A20	380	140	350	1500	3000	139
		√	SV-X7MM22DA-B4CD-A20	380	140	350	1500	3000	147
	30		SV-X7MM30DA-N4CD-A20	380	197	493	1500	3000	202
260	The 260 mm flange series is currently under development and is scheduled for external trials in Q4 2026.								

Encoder connector model: ENC-TE-LW 200



High reliability

- **Class H** insulation for enhanced temperature resistance
- Demagnetization-resistant design for magnet protection

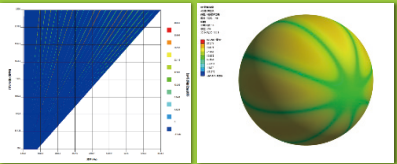
Low temperature rise

Forced air cooling with optimized air ducts
for **20%** lower operating temperature



High performance

- Maximum **250%** overload torque for faster, more stable heavy-load starts and stops
- Maximum **3000 rpm** speed for higher machining efficiency
- High-resolution **23-bit** multi-turn absolute encoder with electronic tag for enhanced low-speed vibration suppression, reduced speed fluctuation, and smoother servo system operation with higher precision



Low noise

Optimized design with response
and noise simulation and evaluation
for a **15%** reduction in operating noise



Response and noise simulation and evaluation

Application scenarios



Packaging



Lithium battery equipment



Press brake



Industrial robots