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## Explosion Proof Electric Motor Linear Actuator

"AOX-Q-L" series electric actuators belong to the expansion proof electric motor linear actuator, which is developed by AOX, an electric actuator supplier from China.

"AOX-Q-L" series electric actuators meet the explosion-proof grade of Exd II CT5. The thrust range of "AOX-Q-L" series is 3000-30000NM, and the corresponding valve can be matched by different supports.

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### Summary

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Product Introduction of the explosion proof electric motor linear actuator

The "AOX-Q-L" series are high quality and unique part turn electric actuators developed by the AOX companies and have received many certifications such as DNVGL, CCS and EU CE. The "AOX-Q-L" series is made of die-cast aluminum housing with high strength and high performance. The maximum torque of the electric actuator reaches 40000N after assembling the gearbox, and supports three angles from 0° to 360° for operation.

Zhejiang Aoxiang Auto-Control Technology CO.,Ltd

Tel: [+86-577-59890750](tel:+86-577-59890750)

Phone: [+86-18967766527](tel:+86-18967766527)

Fax: [+86-0577-65921296](tel:+86-0577-65921296)

E-mail: [zjaox@zjaox.com](mailto:zjaox@zjaox.com)



## Product Parameter ( Specification )of the explosion proof electric motor linear actuator

Force range:	2000 - 40000 N
Max stroke:	100 mm
Running speeds:	0.33 mm/s - 1 mm/s
Ambient temperature:	-25 °C +70 °C

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Corrosion level:	Epoxy powder coating. NEMA 4X corrosion protection
Anti-vibration level:	JB/T 8219
Noise level:	Less than 75 dB within 1 m
Ingress Protection::	2* NPT 3/4
Electrical interface:	IP67, Optional:IP68
Explosion proof mark:	EX d II CT5
Motor Specifications:	Class F, with thermal protector up to +135 °C (+275 °F)
Working System:	On-off Type: S2 - 15 min, no more than 600 times per hour start Modulating Type: S4 - 50 %, up to 600 triggers per hour
On/off type signal:	Input : AC 110/220 Input Signal Feedback:Integrated fault contacts,Close the valve contact,Open the valve contact
Modulating type signal:	Input signal: 4 - 20 mA; 0 - 10 V; 2 - 10 V Output signal: 4 - 20 mA; 0 - 10 V; 2 - 10 V Loss Signal Mode Setting:N/A Dead Zone:≤2%

Model	Thrust N	Speed mm/S	Max travel mm	power W	Rated current(A) 50HZ				Weight Kg
					Single-phase		Three-phase		
	110V	220V	380V	440V					
AOX-Q-L20	2000	0.66	60	20	1.10/0.95	0.55/0.54	0.30/0.30	N/A	18
AOX-Q-L30	3000	0.66	60	20	1.10/0.95	0.55/0.54	0.30/0.30	N/A	18
AOX-Q-L50	5000	0.66	60	20	1.10/0.95	0.55/0.54	0.30/0.30	N/A	18
AOX-Q-L80	8000	0.33	60	20	1.10/0.95	0.55/0.54	0.30/0.30	N/A	18
AOX-Q-L100	10000	0.50	60	40	1.65/1.67	0.88/0.84	0.31/0.31	0.30/0.31	30
AOX-Q-L160	16000	0.50	100	40	1.67/1.67	0.89/0.85	0.31/0.31	0.30/0.31	32
AOX-Q-L200	20000	0.44	100	90	1.85/1.86	0.92/0.92	0.35/0.35	0.34/0.34	33
AOX-Q-L250	25000	0.44	100	90	3.60/3.62	1.55/1.58	0.59/0.59	0.58/0.58	34
AOX-Q-L300	30000	0.44	100	90	3.65/3.62	1.60/2.20	0.60/0.59	0.59/0.59	35

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## Research and development companies in the explosion proof electric motor linear actuator



## Production details of the explosion proof electric motor linear actuator

The motors of the "AOX-Q-L" series electric actuators are all class H high-torque motors with fully enclosed squirrel-cage motors, small size, high torque, low inertia force, class H insulation, built-in overheat protection switch to prevent damage to the motor, and optional supply voltage and operating system.

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E-mail: [zjax@zjax.com](mailto:zjax@zjax.com)