

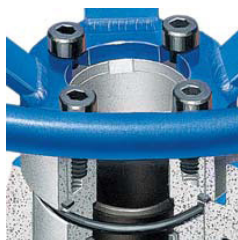
Limitorque MX Actuator now with Bluetooth

The Next Generation in Smart Actuation

Limitorque introduced the MX multi-turn electronic actuator in 1997 as the first smart actuator providing uncompromised reliability and performance in an easy to use design. The MX innovations which were market firsts include:

- Patented absolute encoder that doesn't require battery back-up
- Patented Limigard technology
- Easy to use menus in six languages
- The use of Hall-effect devices to eliminate potentially troublesome reed switches

The MX provides the user with predictable, reliable, and safe operation in applications which are subject to the most rigorous customer requirements and extreme environments.



Enhancements to the latest update of the MX include:

- Absolute encoder
- Optional MX Quik™ (MX-Q)
- State of the art controls platform
- Graphical dot matrix display
- Bluetooth® wireless connectivity
- Improved network communications
- Locally assembled from our Quick Response Centre (QRC)
- IP68 (Deepest and longest in the industry)



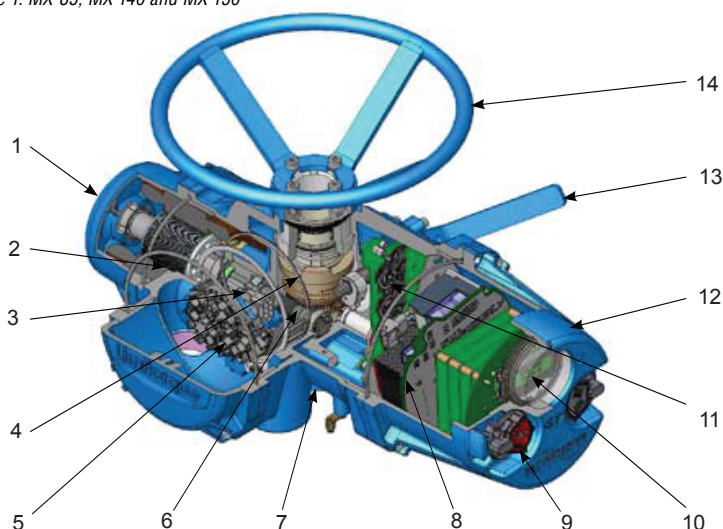
MX Series Performance Ratings for Units 05 through 150

MX-05 through MX-40 (three-phase: 50 Hz/380, 400, 415, and 440 Volt: 60 Hz/208, 230, 380, 460, 525, 575 Volt)

MX-85 through MX-150 (three-phase: 50 Hz/380*, 400, and 415 Volt: 60 Hz/380, 460, 575 Volt) *380/50 multiply by 0.9

Output Speed (RPM)				MX-05		MX-10		MX-20		MX-40		MX-85		MX-140		MX-150	
				Rated Output Torque													
60 Hz		50 Hz		ft-lb	N m	ft-lb	N m	ft-lb	N m	ft-lb	N m	ft-lb	N m	ft-lb	N m	ft-lb	N m
18		15		55	75	125	170	225	305	440	597	N/A	N/A	N/A	N/A	N/A	N/A
26		22		55	75	125	170	225	305	440	597	850	1153	1500	2036	N/A	N/A
40		33		55	75	125	170	225	305	440	597	1225	1662	1700	2307	N/A	N/A
52		43		55	75	125	170	225	305	440	597	1150	1561	1600	2171	N/A	N/A
77		65		48	65	107	145	178	241	345	468	850	1153	1200	1628	N/A	N/A
100	131 ¹	84	110 ¹	39	53	89	121	148	201	286	388	600	814	815	1105	1500	2036
155	170 ¹	127	143 ¹	41	56	89	121	140	190	260	353	450	611	650	882	1150	1561
200		165		34	46	73	99	114	155	210	285	N/A	N/A	N/A	N/A	N/A	N/A

Note 1: MX-85, MX-140 and MX-150



No.	Description
1	Three-phase motor
2	Motor gear attachment
3	Plug-in connectors
4	Termination chamber
5	External connection block
6	Gear set
7	Thrust base
8	Control chamber
9	Local control switches
10	Multilingual display
11	Absolute encoder
12	Cast aluminium housing
13	Declutch lever
14	Handwheel

Absolute Position Encoder

Limatorque was the first electronic actuator supplier to use an absolute encoder which doesn't require battery back-up for positioning. Customers specify absolute encoders for uninterrupted performance and the MX meets customer expectations with an improved, 18-bit optical, 100% repeatable device. Position information is accurate with or without electrical power. The 18 bits also means that the span of the MX encoder is now almost 10x the original – good for ~10,000 drive sleeve rotations. The encoder has redundant circuits ensuring performance even in the event of up to 50% component failure, continuing to provide reliable data while alerting the user to any faults.

The **Quick Response Centre** is part of Limatorque's growing network of aftermarket service centres around the world. Acrodyne's QRC will manufacture and service Limatorque actuators and local industry, with the ability to supply complete actuators produced from stock, with the added benefit of **local Australian content**.

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