

Strong Precision Torque-Servo Roll Feeding System

PERFORMANCE EV XG TQ

Models: EV XG 240 TQ | EV XG 320 TQ | EV XG 480 TQ | EV XG 640 TQ



FAST

- Highly dynamic torque servo motor up to 380 m/min, 4800 N
- Fast pilot release thanks to the dynamic Colibri system

PRECISE

- Gearless direct drive for extremely accurate transmission of torque
- Synchronous drive both rolls via precision parallel-coupling
- Precision mechanics and high-tech materials for highest accuracy

VERSATILE

- Optional roll surfaces, adjustable segment rolls, profiles
- Powerful and versatile controls; double systems; push/pull
- Threading assistance (material insertion without operating the control)
- Pull-out inlet plate for practical maintenance and roll cleaning
- Rolls are easier to exchange
- Variable infeed roller cage with double rolls, central side adjustment

SAFE

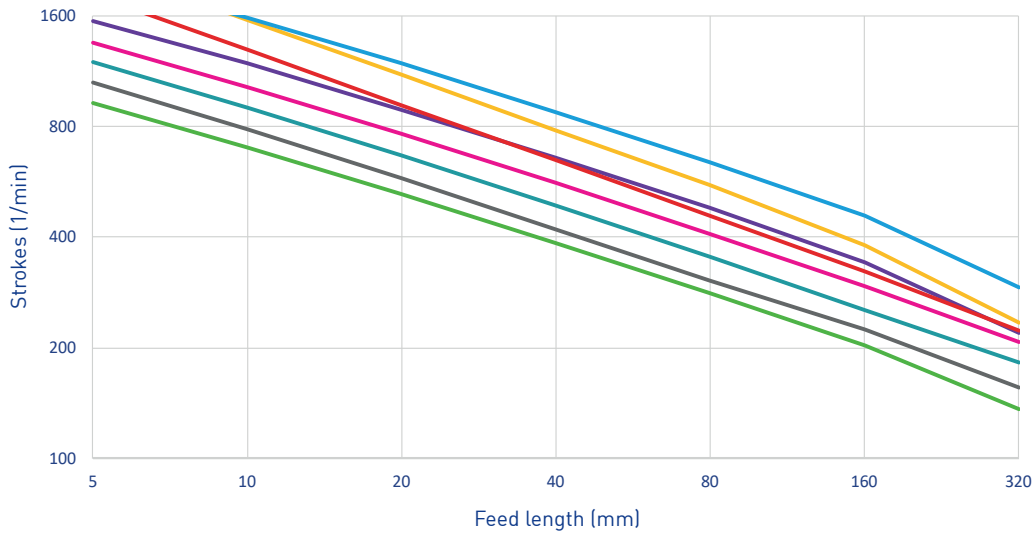
- Meets the highest safety standards including safe limited speed (SLS)
- Precision encoder on the opposite side of the motor
- Pneumatic safety material holder (optional)



ROLL FEED PERFORMANCE EV XG TQ



PERFORMANCE

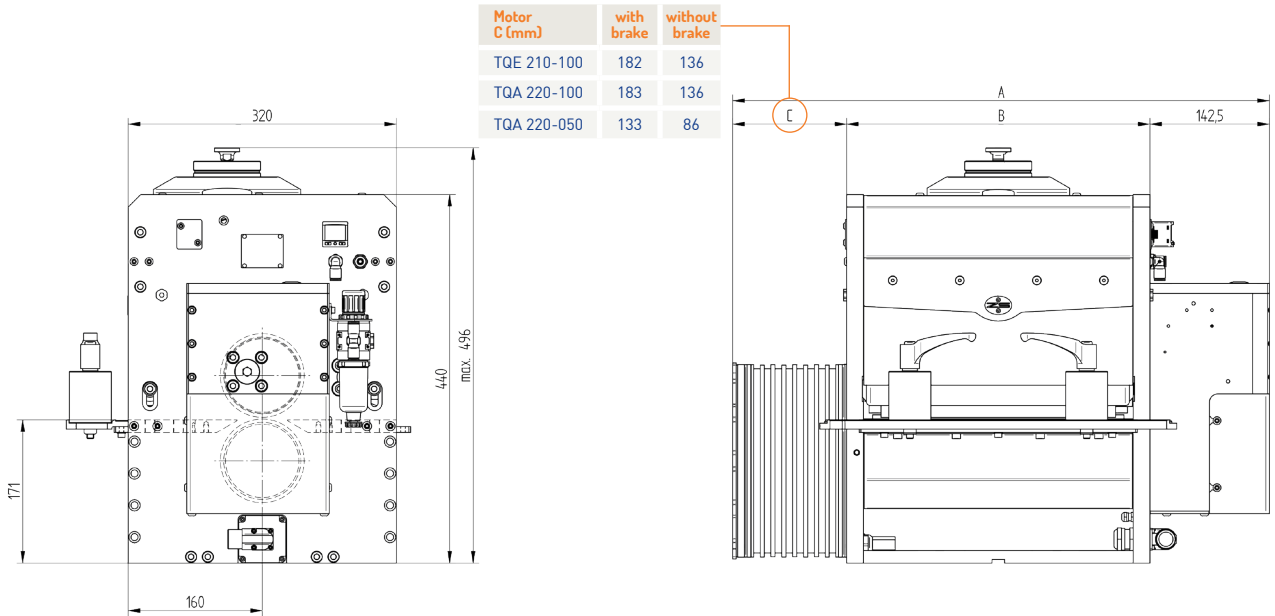


Performance curves (examples)*

Loop weight	Feed angle	Cooling
0 kg	180°	WC
0 kg	180°	AC
5 kg	180°	AC
5 kg	180°	WC
5 kg	240°	WC
20 kg	180°	AC
20 kg	120°	WC
50 kg	180°	WC

*Calculation basis: EV XG 480 TQ
 Motor / Control / Cooling:
 TQE 210-100/FD50,CX300/air
 TQE 210-100/FD75,CX470/water

TECHNICAL SPECIFICATIONS



MODEL	EV XG TQ	240	320	480	640
Feed troughput width (mm)		240	320	480	640
Upper roll width (mm)		200	280	440	600
Lower roll width (mm)		242	322	482	642
Overall width A min. (mm)		510.5	590.5	750.5	910.5
Overall width A max. (mm)		607.5	687.5	847.5	1007.5
Base width B (mm)		282	362	522	692
Roll opening		max. 15 mm (optional 25 mm)			
Roll diameter		100 mm			
Position accuracy		+/- 0.02 mm			
Nominal speed max.*		380 m/min			
Traction max.* (with air/water cooling)		2600 / 4800 N			
Cross section (recommended)		max. 2000 mm ²			

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*Depending on motor, control and supply.
 Ask for a specific configuration and calculation.