

LIMISERVO X G Series

Control box, Motor, Panel



Achieving a compact and lightweight motor! Enhanced step sequence function!

SERVO SERVO

SPECIFICATIONS

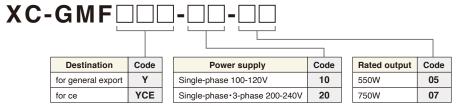
Control box		XC-GMF*-10-05	XC-GMF*-20-05	XC-GMF*-20-07		
Motor		XL-G554-10Y	XL-G554-20Y	XL-G754-20Y		
Power supply		Single-phase 100-120V*1	Single-phase, 3-phase 200-240V*1			
Rated output		550W		750W		
Rated speed		3,600 sti/min*2				
Rated torque		1.47N•m (0.15kg•m)		1.96N·m (0.2kg·m)		
Speed control range		70 sti/min to 8,999 sti/min*2				
	Machine axis	Shipping setting (250sti/min to 4,000sti/min*²)				
	Motor axis	50 sti/min to 3,600 sti/min*2				
Detector		XC-KE-01P				
Environment	Ambient temperature	5°C to 40°C				
	Ambient humidity	30%RH to 95%RH (no condensation)				
	Max. altitude	Above sea-level 1,000m				
Mass		Control box: 3.5kg (net), 6.9kg (gross), Motor: 6.9kg (net), 9.1kg (gross)				
Packaging style		Carton box < L: 490mm × W: 402mm × H: 227mm > (When motor and control box are packaged as set)				

^{*1} Please refer to the instruction manual for details of the connection method.
*2 sti/min is the abbreviation for "stitches per minute"

WHEN YOU PLACE ORDERS

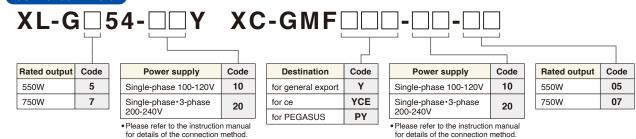
Please note when placing orders, that the model name should be written as follows:

Control box



Please refer to the instruction manual for details of the connection method.

Control box / Motor



Panel





https://www.juki.co.jp/en

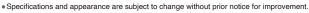
JUKI CORPORATION

SEWING MACHINERY & SYSTEMS BUSINESS UNIT

2-11-1, TSURUMAKI, TAMA-SHI, TOKYO 206-8551, JAPAN PHONE: (81) 42-357-2383 FAX: (81) 42-357-2274

JUKI TECHNOSOLUTIONS CORPORATION

2039-1, SHIMOI, SHIMOI-MACHI, OWARIASAHI-SHI, AICHI 488-0052, JAPAN PHONE: (81) 561-56-1082 FAX: (81) 561-56-0830



[•] Read the instruction manual before putting the machine into service to ensure safety.

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[•] Paper from responsible sources FSC™ C001712 JUNE, 2023 Printed in Japan(TN

LIMSERVOX G Series

Compact. lightweight motor with complete range of convenient functions!

Realization of Compact. Lightweight Motor

Motor size reduced by approximately 60% when compared with previous motor (XL-554). Motor weight reduced by approximately 1.7kg.

The LIMISERVO X G Series includes **Compatibility Settings Table for Adapted Machines**

O: Needle positioner function Thread trim function

auto thread trimming, presser foot lifting, fixed-stitch stitching, continuous stitching and backtacking. When connected to operation panel,

Control Box / Motor

there are step sequence, simple sequence and PC communication functions. Equipped with 8 solenoid drive outputs, 2 electromagnetic valve outputs, 1 small-signal output and 14 input terminals including variable voltage input.

Lockstitching	Overlock	Chainstitching	Zigzagstitching	Whipstitching
0	0	0	0	0



Applicable to sewing machines of other companies

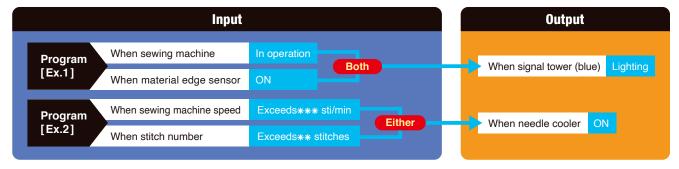
By selecting the sewing machine from the simple mode setting of the control box, it is possible to easily set the thread trimming timing and other sewing machine settings of other companies' sewing machines. You can reduce the time required for adjustments.

Abundant program functions

Step Sequence Function | Condition settings also possible with multiple combining

- This function enables easy programming of the desired input, output and machining operation conditions in sequence with the stitching process.
- Various operations can now be incorporated into the "stitching process", including those performed before and after operation.

Extensive upgrade of existing machine imple sequence mode!



Direct Parameter No. Call-up Function

Previously it was necessary to select the respective mode to perform settings when making changes to the parameters, however, by using the XC-G10S (L), XC-G500Y operation panel, it is now possible to call up the required parameter in a single operation. It is also possible to call up parameters for each mode.



User-Friendly Functions Computer Interface Standard Equipment

- Settings data control including batch writing, reading and saving of settings can be performed using the setup software. (XCG_SET)
- Step sequence creation, editing, etc. can be performed using the dedicated step sequence software. (XCG_STEP)

Full Functionality Inherits the LIMISERVO X F Series!

- The settings data save function has been expanded to enable saving of settings data from 1 model to 2 models.
- A parameter change difference display has been added. (A flashing dot [.] displays at the changed parameter.)
- 2 types of function setting can now be performed with a single input.

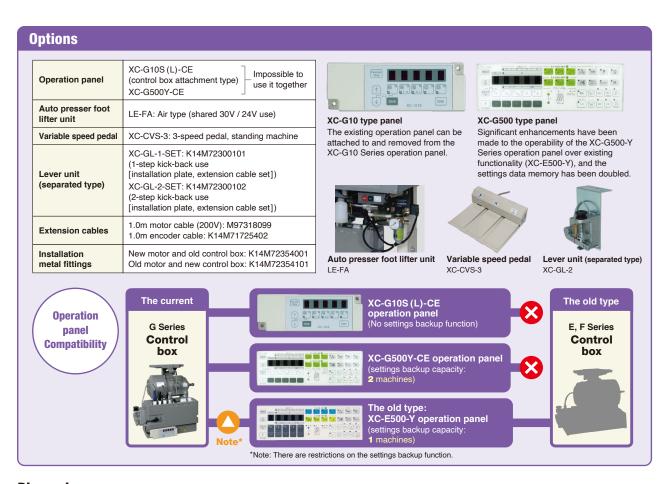


Interchangeability

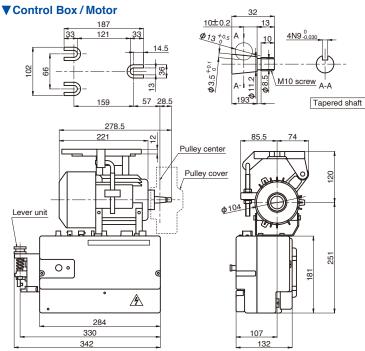
You can use it as is

- Detector: XC-KE-01P (K14MXCKE01P0)
- Auto presser foot lifter unit: LE-FA
- Variable speed pedal: XC-CVS-3

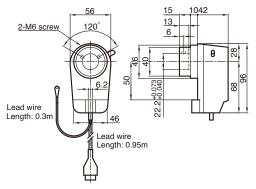
It is available with an optional attachment bracke Motor: XL-554



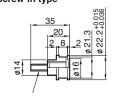




▼Position Detector XC-KE-01P



▼Adaptor for position detector attachment



SM11/32 threads 28 (Brother, Mitsubishi Series) SM5/16 threads 24 (Juki, Toyota, Singer Series)