

MO-6900C Series

Super-high-speed, Cylinder-bed, Overlock Machine



MO-6914C

MO-6900C Series

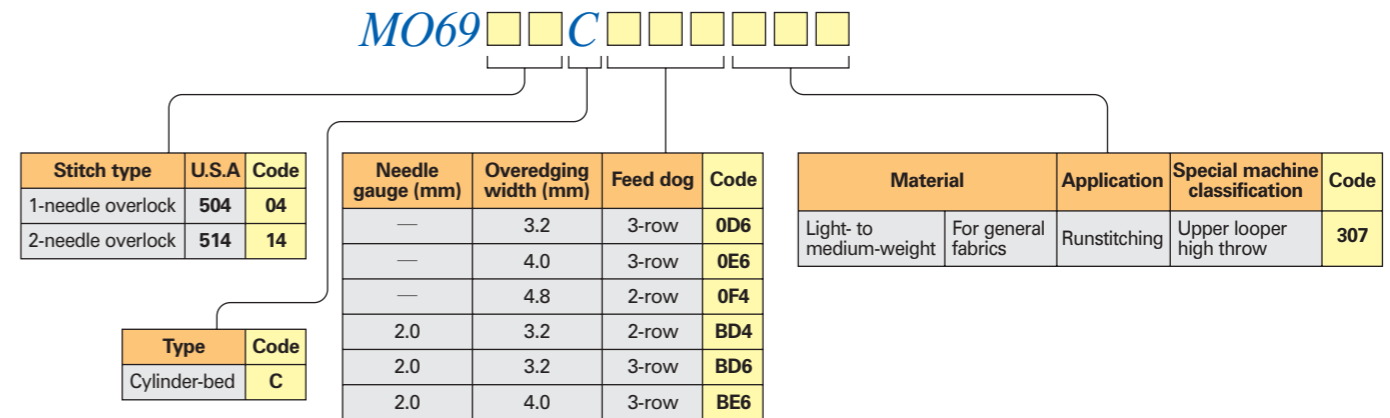
SPECIFICATIONS

| Model name | MO-6904C | MO-6914C |
|------------------------------------|--|-------------------|
| Stitch type | 1-needle overlock | 2-needle overlock |
| Stitch style in the U.S.A. | 504 | 514 |
| Max. sewing speed | 8,000sti/min* | |
| Stitch length | 0.8~ 3.5mm | |
| Needle gauge (mm) | — | 2.0 |
| Overedging width (mm) | 3.2, 4.0, 4.8 | 3.2, 4.0 |
| Differential feed ratio | For gathering 1:2.3 (max. 1:4.5), For stretching 1:0.8 | |
| Needle bar stroke | 24.5mm | |
| Inclination angle of the needle | 20° | |
| Needle mechanism | Needle bar method and upper/lower bushing | |
| Needle | DC×27 | |
| Max. lift of the presser foot | 7mm (excluding some subclass model) | |
| Max. presser foot pressure | 63.7N (6.5kg) | |
| Stitch adjusting method | By push-button | |
| Differential-feed adjusting method | By lever | |
| Weight of the machine head | 24kg | |
| Lubrication | Automatic | |
| Lubricating oil | JUKI Machine Oil 18 (equivalent to ISO VG18) | |
| Needle cooler | Provided as standard | |
| Needle thread heat remover | Provided as standard | |
| Micro-lifter | Provided as standard | |

* "sti/min" stands for "Stitches per Minute."

WHEN YOU PLACE ORDERS

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



● To order, please contact your nearest JUKI distributor.



JUKI CORPORATION HEAD OFFICE
 The environmental management system to promote and conduct
 (1) the technological and technical research, the development and design of the products in which the environmental impact is considered,
 (2) the conservation of the energy and resources, and the recycling in the research, development, design, distribution, sale and maintenance service of the industrial sewing machines, household sewing machines and industrial-use robots, etc. and in the purchase, distribution and sale of the household commodities including the healthcare products.

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JUKI CORPORATION
 INDUSTRIAL SEWING MACHINE DIV.

* Specifications and appearance are subject to change without prior notice for improvement.
 * Read the instruction manual before putting the machine into service to ensure safety.
 * This catalogue prints with environment-friendly soy ink on recycle paper.

MO-6900C Series

New and powerful machine for sewing tubular materials!

The MO-6900C Series sewing machine, provided with a small-in-diameter cylinder bed, is capable of runstitching or blind-hemming tubular materials, such as sleeve cuffs, with ease. The operator can carry out sewing of the tubular material while turning it downward. This promises improved workability and contributes to dramatically increased productivity.



MO-6904C

The machine ensures both beautiful and upgraded seam quality at higher speeds.

Since the machine comes with a needle-thread take-up mechanism as well as a looper thread take-up mechanism, to enable sewing with a lower tension applied to the material, it achieves soft-feeling high-quality seams.



MO-6914C

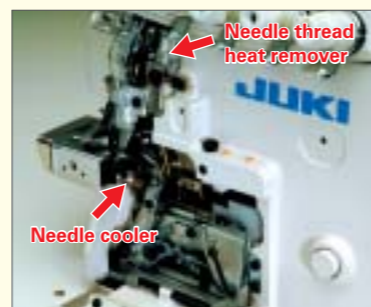
Mechanisms that promise improved operability.

Since the machine is provided as standard with the bottom feed dog inclination-adjusting mechanism and the external differential feed-increasing mechanism, it can be easily adjusted to ideally match the material being sewn. In addition, the machine is provided as standard with a micro lifter feature that offers improved responsiveness to materials, and provides the operator with upgraded operability. The stitch length can be easily adjusted with the push-button mounted on the front surface of the sewing machine.



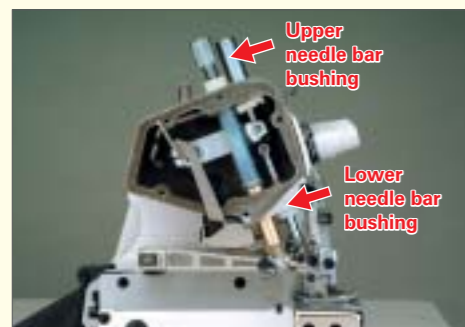
The needle thread heat remover and needle cooler are equipped as standard.

To offer improved sewing capabilities as well as to prevent stitching mishaps during high-speed sewing, the machine is provided as standard with the needle thread heat remover and needle cooler.



Further increased reliability.

The introduction of a shield-structured needle bar mechanism and upper and lower needle bar bushings, contributes to increased durability and reliability. The machine is provided as standard with a cartridge type oil filter and cooling fan, thereby ensuring enhanced reliability.



Small-in-diameter cylinder bed.

The cylinder bed is bestsuited to the runstitching and blind hemming of tubular materials. Gauges and devices you have used with your existing JUKI machines are also interchangeable with no additional machining required. This eliminates both the waste of resources and unwanted extra costs.



SUBCLASS MACHINE LIST

| Seams | Model No. | Materials | Number of needles | Number of threads | Needle gauge (mm) | Overedging width (mm) | Number of feed dog rows | Stitch length (mm) | Bottom differential-feed ratio | Presser lifting amount (mm) | Needle system | Max. sewing speed (sti/min) | Remarks |
|-------|-----------|-----------|-------------------|-------------------|-------------------|-----------------------|-------------------------|--------------------|--------------------------------|-----------------------------|---------------|-----------------------------|---------|
|-------|-----------|-----------|-------------------|-------------------|-------------------|-----------------------|-------------------------|--------------------|--------------------------------|-----------------------------|---------------|-----------------------------|---------|

<1-needle overlock>

| | | | | | | | | | | | | | |
|-------|------------------|-----|---|---|---|-----|---|-----|-------------|---|-----------|-------|------------------------------------|
| Seams | MO-6904C-0D6-307 | L~M | 1 | 3 | — | 3.2 | 3 | 3.5 | 1:0.8~1:2.3 | 7 | DC×27 #11 | 8,000 | Upper looper extra high throw type |
| | MO-6904C-0E6-307 | | 1 | 3 | — | 4.0 | 3 | 3.5 | 1:0.8~1:2.3 | 7 | DC×27 #11 | 8,000 | |
| | MO-6904C-0F4-307 | | 1 | 3 | — | 4.8 | 2 | 3.5 | 1:0.8~1:2.3 | 7 | DC×27 #14 | 8,000 | |

<2-needle overlock>

| | | | | | | | | | | | | | |
|-------|------------------|-----|---|---|-----|-----|---|-----|-------------|-----|-----------|-------|------------------------------------|
| Seams | MO-6914C-BD4-307 | L~M | 2 | 4 | 2.0 | 3.2 | 2 | 3.5 | 1:0.8~1:2.3 | 6.5 | DC×27 #11 | 8,000 | Upper looper extra high throw type |
| | MO-6914C-BD6-307 | | 2 | 4 | 2.0 | 3.2 | 3 | 3.5 | 1:0.8~1:2.3 | 6.5 | DC×27 #11 | 8,000 | |
| | MO-6914C-BE6-307 | | 2 | 4 | 2.0 | 4.0 | 3 | 3.5 | 1:0.8~1:2.3 | 6.5 | DC×27 #11 | 8,000 | |

* "sti/min" stands for "Stitches per Minute."

DEVICES AND ATTACHMENTS

| Model | Part No. | Description |
|-------|----------|-------------|
|-------|----------|-------------|

Chain-off thread trimming device

| | | |
|------|--------------|-----------------------|
| T043 | MAT-043000A0 | Pneumatic side cutter |
|------|--------------|-----------------------|

Blower-type chain-off thread suction device

| | | |
|-------|---|---|
| MC-7B | — | Blower-type chain-off thread suction device + cloth chips |
|-------|---|---|

Pneumatic chain-off thread suction device

| | | |
|-------|---|--|
| MC-38 | — | Pneumatic chain-off thread + cloth chips |
| MC-39 | — | Function of MC-8 + auto-lifter |

*The aforementioned devices are not equipped with air regulator. Please purchase the following components when you need to regulate air pressure.

| | | |
|---|----------------|---|
| — | PF-0552010-B0 | Air regulator (FR. unit asm.) |
| — | GMD-01080000×2 | Fixing screw for FR. unit asm. |
| — | F1021-003-000 | Tube connector (male) |
| — | GAS-12063000 * | One-touch connector *Selection parts instead of the tube connector |

Auto-lifter

| | | |
|-------|--------------|---|
| AK93 | GAK-930000A0 | Pneumatic type (knee-operated) |
| AK94 | GAK-940000A0 | Pneumatic type (with chain-off thread suction device) |
| AK102 | GAK-A02000A0 | Pneumatic type (for servomotor) |

[Reference]

Combination table of "chain-off thread suction device" and "auto-lifter" which correspond to "chain-off thread trimming device".

| Chain-off thread trimming device | Chain-off thread suction device | Auto-lifter |
|----------------------------------|---------------------------------|---|
| T043 | MC-7B | AK102 (JUKI servomotor) |
| | *— | AK94 (any motor will do) *AK94 is equipped with chain-off thread suction device. |
| | MC-38 | AK102 (JUKI servomotor) |
| | MC-39 | — (MC-39 is equipped with auto-lifter.) |

| Model | Part No. | Description | Feature |
|-------|----------|-------------|---------|
|-------|----------|-------------|---------|

Blind hemming device

| | | | | |
|------|--------------|---|---|-------------------------|
| L124 | MAL-124000A0 | Blind stitch hemming attachment | A ruler used for blind hemming in knits | |
| L125 | MAL-125001A0 | Automatic folded-edge controlled blind hemming device | For flat upper knife | For 110, 115, 220, 240V |
| | MAL-125002A0 | | For 220, 380, 415, 440V | |
| | MAL-125001AA | | For square upper knife | For 110, 115, 220, 240V |
| | MAL-125002AA | | For 220, 380, 415, 440V | |

The attachment automatically detects the overlapped section of a material. Then, it makes the needle enter the material deeper to prevent stitch deviation.

Cloth tensioner

| | | |
|------|---|---|
| TR01 | — | Small-diameter roller for rib attaching |
| TR02 | — | Large-diameter cloth tensioner |

Ruler, Miscellaneous

| | | | |
|------|--------------|------------------------|--|
| H153 | MAH-153000A0 | Cloth edge guide ruler | A swing type edge guide. |
| — | 122-26155 | Cloth plate | Wider material can be sewn by attaching the cloth plate. |