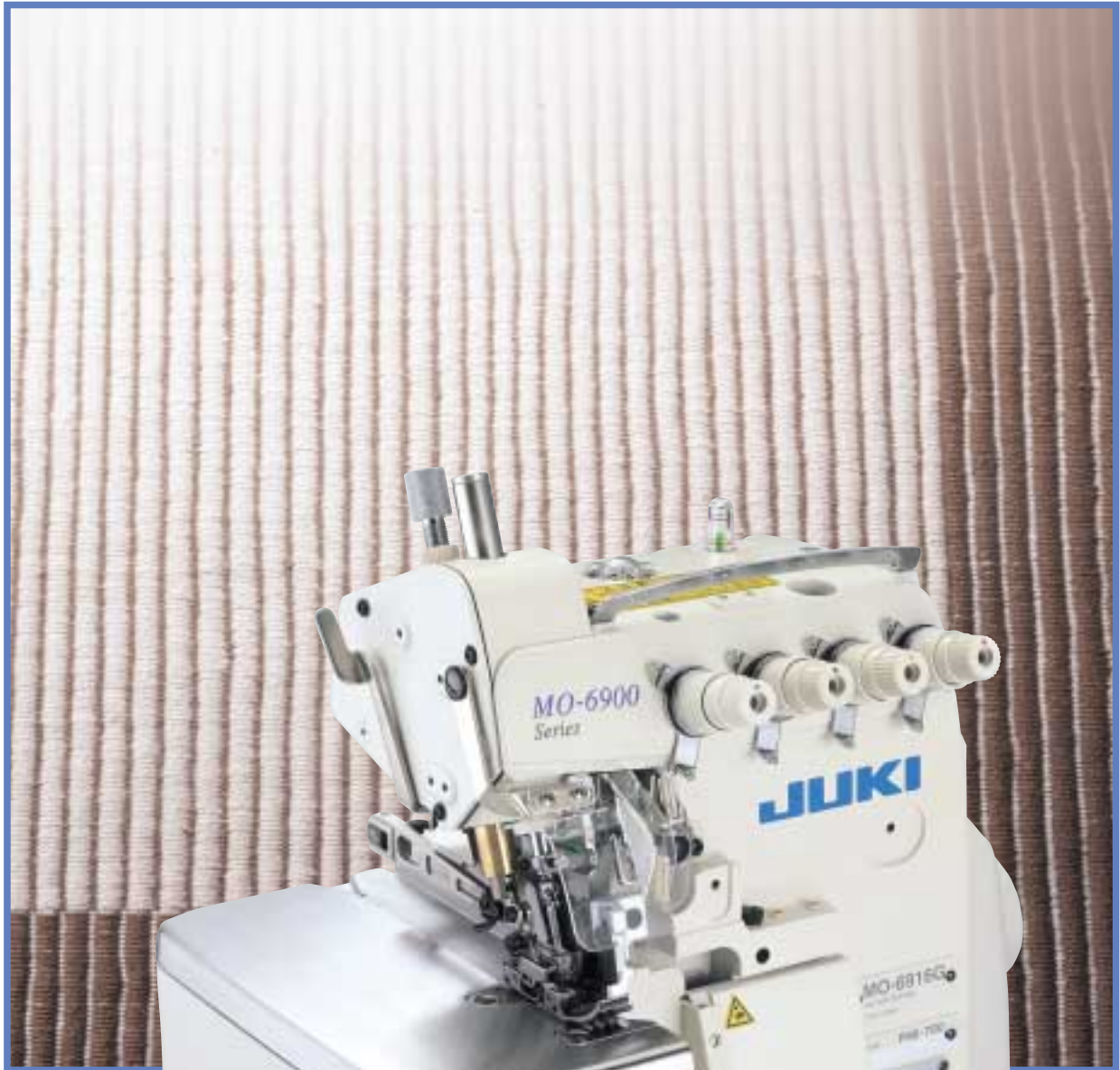


JUKI®

**Bottom-feed, Overlock/Safety Stitch Machine for
Extra Heavy-weight Materials**

MO-6900G Series



MO-6916G

MO-6900G SERIES

An advanced full-featured machine that is ideally suited to the sewing of extra heavy-weight materials.

The machine incorporates a mechanism and parts that are optimum for the sewing of extra heavy-weight materials, such as an extra high-lift type upper looper, tractor foot and coarse type feed dog. It demonstrates an excellent performance ability in the sewing of various kinds of heavy-weight materials such as jeans, raised fabric materials, mats and carpets.

The machine securely clamps the material at the beginning of sewing as well as smoothly sewing multi-layered parts of the material to facilitate the sewing of extra heavy-weight materials. In addition, the machine reduces operating noise and vibrations, as well as coming standard with a micro-lifter, which offers comfortable sewing operation.

The machine incorporates mechanisms that are both durable and reliable, such as the needle bar mechanism, utilizing the upper and lower bushings, a cartridge type oil filter and cooling fan.

The machine comes standard with various adjusting mechanisms, such as a micro-adjusting mechanism, all of which can be easily adjusted to enable the machine to perform sewing under the best-suited conditions for any kind of material.



MO-6916G-FH6-700

SPECIFICATIONS

| Model name | MO-6904G | MO-6914G | MO-6916G |
|------------------------------------|--|---|--|
| Stitch type | 1-needle overlock | 2-needle overlock | Safety stitching |
| Stitch style in the U.S.A. | 504 | 514 | 516 |
| Max. sewing speed | 6,000rpm | | |
| Stitch length | 2.5 ~ 5mm | | |
| Needle gauge (mm) | - | 2.6 | 4.8 |
| Overedging width (mm) | 4.8, 10.0, 18.0 | 6.4 | 4.8, 6.4 |
| Differential feed ratio | For gathering 1:1.75(Max. 1:3.8) For stretching 1:0.6 | For gathering 1:2(Max. 1:3.8) For stretching 1:0.7(Max. 1:0.6) | For gathering 1:1.75(Max. 1:3.8) For stretching 1:0.6 |
| Needle bar stroke | 28.8mm | | |
| Inclination angle of the needle | 20° | | |
| Needle bar bushing | Upper/lower bushing method | | |
| Needle | DO × 5(excluding some subclass model) | | |
| Max. lift of the presser foot | 8mm(excluding some subclass model) | | |
| Max. presser foot pressure | 63.7N (6.5kg) | | |
| Upper knife | Flat knife | | |
| Stitch adjusting method | By push-button | | |
| Differential-feed adjusting method | By lever (with micro-adjustment) | | |
| Weight of the machine head | 28kg | | |
| Lubrication | Automatic | | |
| Lubricating oil | JUKI Machine Oil 18 (equivalent to ISO VG18) | | |
| Needle cooler | Provided as standard(excluding some subclass model) | | |
| Needle thread heat remover | Provided as standard | | |
| Micro-lifter | Provided as standard | | |

SUBCLASS MACHINE LIST

| Seams | Model No. | Materials | Number of needles | Number of threads | Needle gauge (mm) | Overedging width (mm) | Number of feed dog rows | Max. stitch length (mm) | Bottom differential-feed ratio | Presser lifting amount (mm) | Needle system | Max. sewing speed (rpm) | Remarks |
|------------------|------------------|-----------|-------------------|-------------------|-------------------|-----------------------|-------------------------|-------------------------|--------------------------------|-----------------------------|---------------|---|---|
| | MO-6903G-0N6-3D1 | L ~ M | 1 | 2 | - | 18.0 | 3 | 5 | 1:0.6 ~ 1:1.75 | 5 | DO × 5 #16 | 5,500 | For splicing fabrics |
| | MO-6904G-0F6-700 | EH | 1 | 3 | - | 4.8 | 3 | 5 | 1:0.6 ~ 1:1.75 | 8 | DO × 5 #21 | 6,000 | For runstitching extra heavy-weight materials such as denim |
| | MO-6905G-0M6-700 | | 1 | 3 | - | 10.0 | 3 | 5 | 1:0.6 ~ 1:1.75 | 7 | DC × 1 #24 | 4,000 | For overedging carpets, mats for entrance halls, etc. |
| | MO-6905G-0M6-7E0 | | 1 | 3 | - | 10.0 | 3 | 5 | 1:0.6 ~ 1:1.75 | 7 | DC × 1 #24 | 4,000 | For overedging car mats |
| MO-6914G-CH6-700 | 2 | | 4 | 2.6 | 6.4 | 3 | 4 | 1:0.7 ~ 1:2 | 8 | DO × 5 #18 | 6,000 | For overedging jersey, etc. | |
| MO-6916G-FF6-700 | 2 | | 5 | 4.8 | 4.8 | 3 | 5 | 1:0.6 ~ 1:1.75 | 8 | DO × 5 #21 | 6,000 | For safety stitching extra heavy-weight materials such as denim | |
| MO-6916G-FH6-700 | 2 | | 5 | 4.8 | 6.4 | 3 | 5 | 1:0.6 ~ 1:1.75 | 8 | DO × 5 #21 | 6,000 | | |



JUKI CORPORATION HEAD OFFICE
The environmental management system to promote and conduct other technological and technical research, the development and design of the products in which the environmental impact is considered.
②The 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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- * 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 catalog is printed on recycle paper.