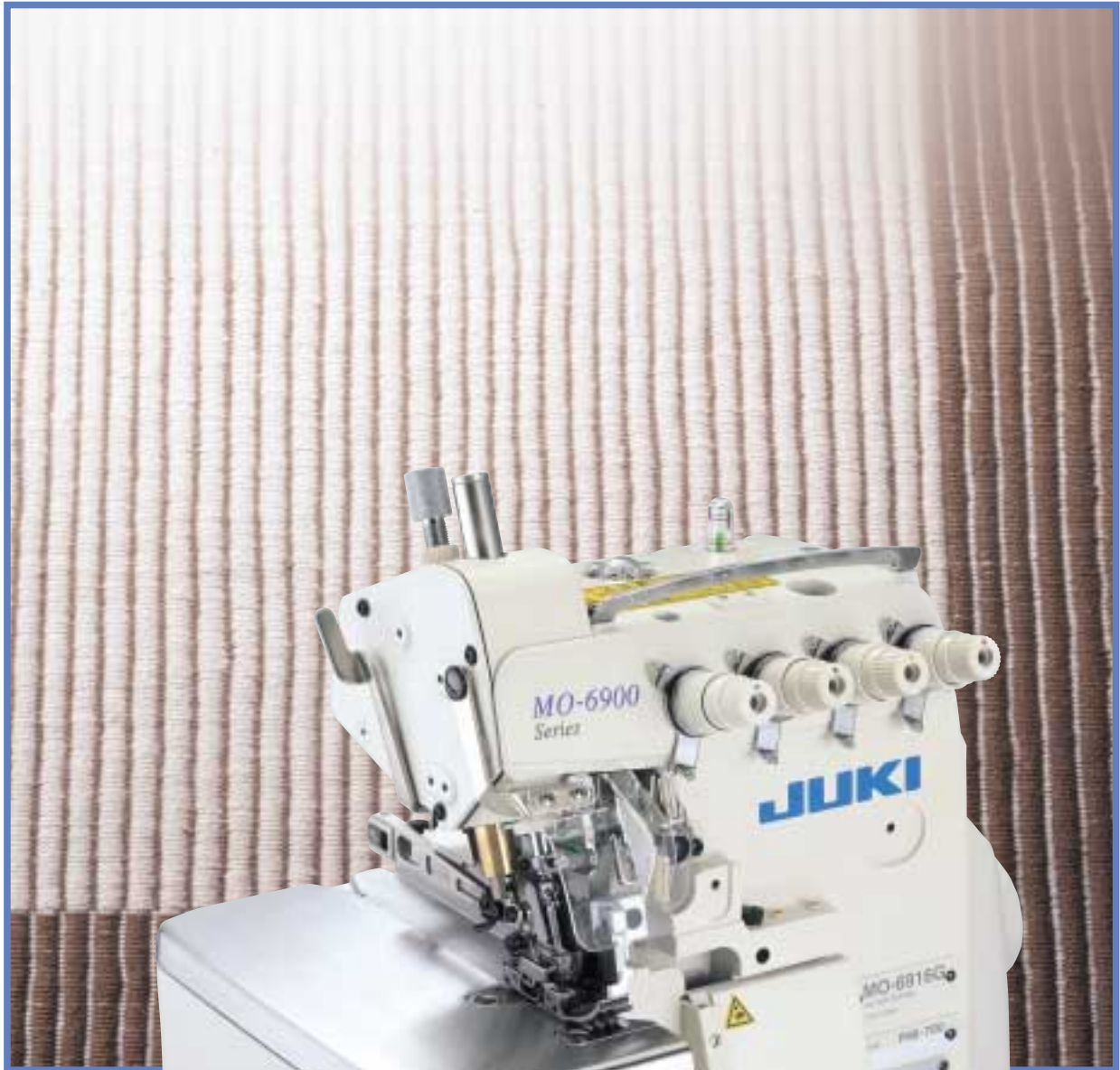


**JUKI®**

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

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# ***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.