

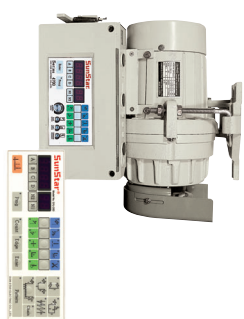


**Installed the Fortuna AC  
Servo Motor SeriesIII  
with Up-to-Date Functions!**



**[Economic Type]**

**[Full Function Type]**



## HEC 470 Series N.P Motor

## CONTROLLER SPEC.

Model	Input Phase	Main Functions	Standard Parts
S3AC55 - 1 □	1 φ 110V	<ul style="list-style-type: none"><li>• Simple speed changing function using the program unit</li><li>• Categorized speed adjustment of start/end back tack</li><li>• Adjustment of sewing machine speed increase curve</li><li>• Adjustment of the remaining upper thread's length after thread trimming</li><li>• Adjustment of the pressure for pedal operation</li></ul>	<ul style="list-style-type: none"><li>• Synchronizer</li><li>• Pedal connection rod</li><li>• Power switch box etc.</li></ul>
S3AC55 - 2 □	1 φ 220V		
S3AC55 - 3 □	3φ 220V		

## SPECIFICATIONS

- Quick and accurate position control, Swift response (Superfly fast acceleration and deceleration)
- Powerful program unit
- Easy to use speed change function
- Enhanced pattern sewing function
- Accurate back tack stitch number correction function
- Easy installation in any sewing machine
- Well-adaptable machine that fits any sewing environment
- Designed to meet the standard requirements of developed countries such as those of the US and European countries.
- Input/output as well as sequence changing functions appropriate for special equipment development.

## MOTOR SPEC.

Model	Motor Spec.	Standard
S3M55-S	Straight Type	550W 3,000rpm
S3M55-T	Taper Type	0.18kgfm

## PROGRAM UNIT FUNCTIONS

Function	Model	Basic Type	Option Type
Start and end back-tack work		○	○
Selection of needle's Up/Down stop position		○	○
Selection of presser foot Up/Down stop position		○	○
Selection of thread trimmer and Wiper performance		○	○
Correction or change of needle Up/Down stop position		○	○
Input of various sewing conditions		○	○
Programmed number of stitches and programmed sewing speed pattern work			○
Pattern connection function (Chain function)			○
Counter installment possible			○
Sewing material edge sensor installment possible			○



# KM-1060BL-7 Series

KM-1060BL-7

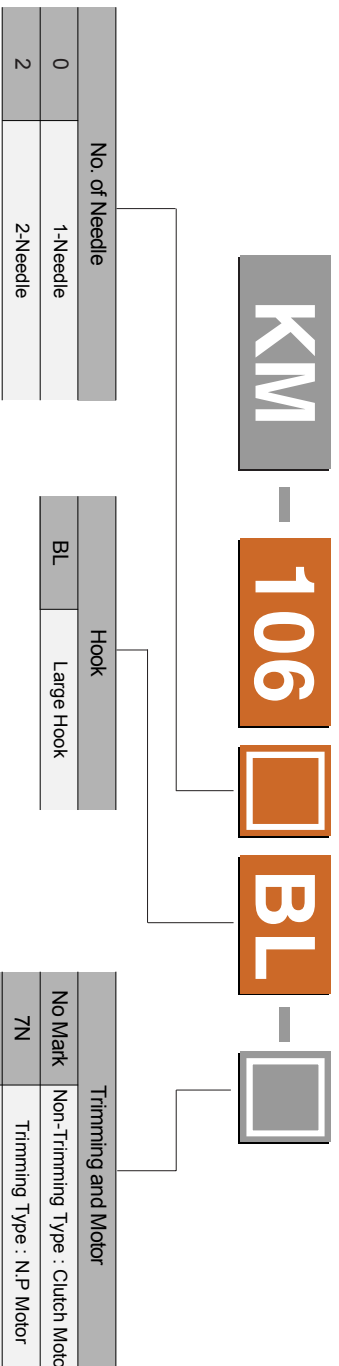
KM-1060BL

High Speed, 1-Needle, Unison Feed,  
Lock Stitch Machine with Automatic Thread Trimmer  
(1.6-Fold-Capacity Hook)

KM-1062BL-7

KM-1062BL

High Speed, 2-Needle, Unison Feed,  
Lock Stitch Machine with Automatic Thread Trimmer  
(1.6-Fold-Capacity Hook)



## Specification

Model	KM-1060BL-7	KM-1060BL	KM-1062BL-7	KM-1062BL
Application	Heavy Materials		Heavy Materials	
Sewing Area	300mm		300mm	
Max. Sewing Speed	3,500spm		3,500spm	
Max. Stitch Length	9mm		9mm	
Needle	DP × 17 #22(#16~#23)		DP × 17 #22(#16~#23)	
Hook	Rollay Horizon Larged by 1.6 times Hook		Rollay Horizon Larged by 1.6 times Hook	
Needle Bar Stroke	33.8mm		33.8mm	
Thread Take-up Stroke	70.8mm		70.8mm	
Height of Presser Foot	9mm by Hand / 16mm by Knee(Max)		9mm by Hand / 16mm by Knee(Max)	
Height of Presser Foot(Automatic)	Max. 16mm(Optional)		Max. 16mm(Optional)	
The Height of Between Main and Sub Presser Foot	1~7mm		1~7mm	
Trimming Device	Provided	-	Provided	-
Motor	Servo Motor	Clutch Motor	Servo Motor	Clutch Motor
Pneumatic	0.5 MPa(Kg/f. <sup>cm2</sup> )	-	0.5 MPa(Kg/f. <sup>cm2</sup> )	-
Range	-		3, 4, 6, 8, 9.52, 10, 12, 20(Standard 6mm)	

\* Specifications and appearance are subject to change for the improvement of products without prior notice.



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AGENT:

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# KM-1060BL Series KM-1062BL Series

High Speed, Unison Feed, Lock Stitch  
Machine Series (1.6Fold-Capacity Hook)



Sunstar®



# KM-1060BL Series

## KM-1062BL Series

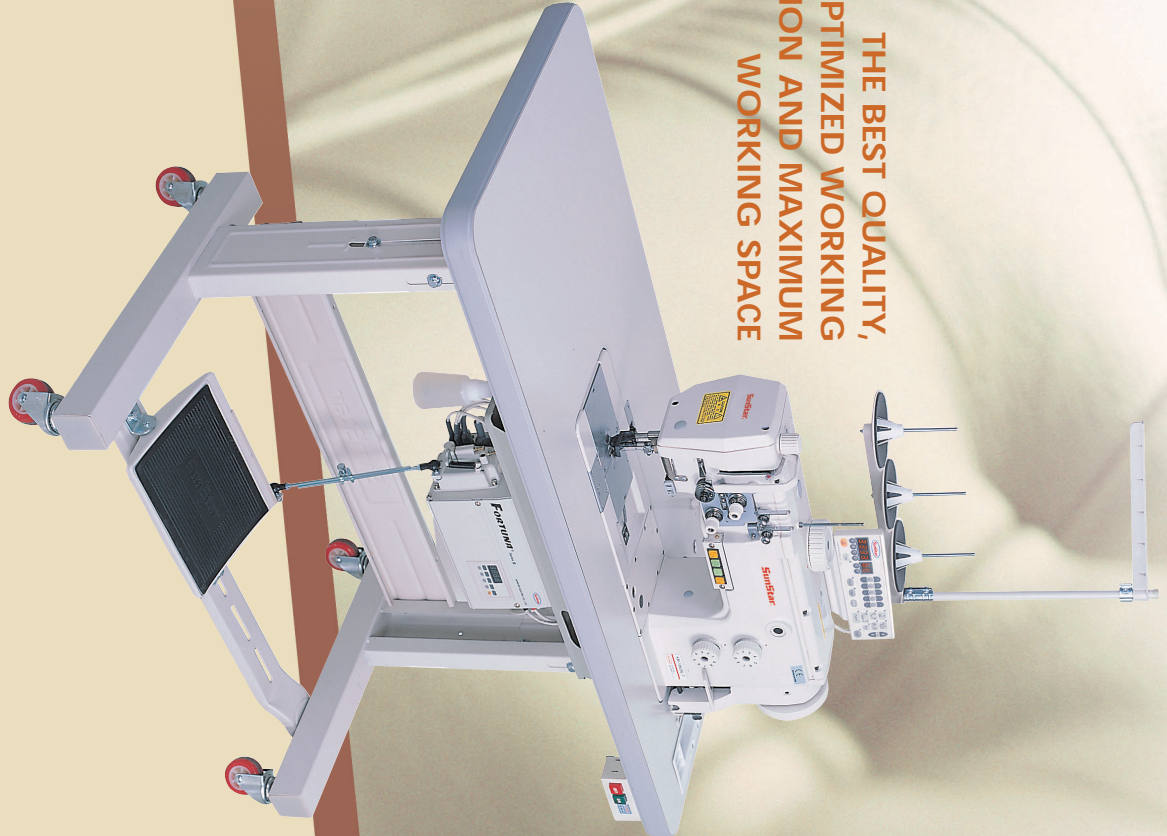
### Now You Can Meet More Powerful and Convenient Sewing Machine for Heavy Materials Equipped with Leading-Edge Function in

SunStar's unison feed lock stitch M/C with automatic trimmer series accomplishes easy sewing for very heavy materials by its extended arm space that fits with various sewing condition of sewing for heavy materials, and by installing its leading-edge function switches on the arm, strong power and refined function is realized as well as easy and various sewing style. Also perfect mechatronics is realized with SunStar's new technology, Fortuna III AC Servo motor.





- KM-1060BL** / High Speed, 1-Needle, Unison Feed, Lock Stitch Machine
- KM-1060BL-7** / High Speed, 1-Needle, Unison Feed, Lock Stitch Machine with Automatic Thread Trimmer
- KM-1062BL** / High Speed, 2-Needle, Unison Feed, Lock Stitch Machine
- KM-1062BL-7** / High Speed, 2-Needle, Unison Feed, Lock Stitch Machine with Automatic Thread Trimmer

**Achieved the optimal seaming condition for heavy materials!**  
This machine achieves the optimal seaming condition and contributes to quality improvement for heavy materials by considering the thread way.

THE BEST QUALITY,  
OPTIMIZED WORKING  
CONDITION AND MAXIMUM  
WORKING SPACE



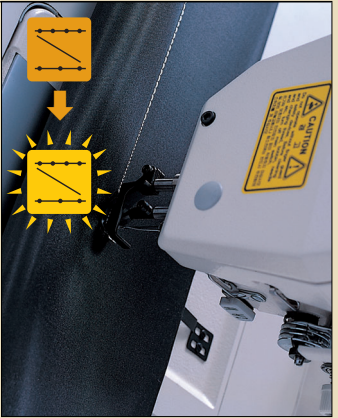
#### BUTTON FUNCTION GUIDE

-  Alternating of Presser Foot Switch
-  Needle Up Switch
-  Auto Back-Tack Selection Switch
-  Stitch Length Change Switch



#### Immediate Transformation of the Working Foot and Presser Foot's Alternating Vertical Movement During Over-Lapped Section Sewing

In the process having over-lapped section, if you press down the transformation switch for the working foot and presser foot's alternating vertical movement, is easily and momentary transformed into 7mm, the maximum value, so the soft and perfect sewing is performed in over-lapped section sewing. The switch type which has built-in arm is a basic model, and Knee-Switch type is an optional.



#### Realized Transformation of Stitch Length by Simple Switch Operation

When regular stitch is needed in sewing materials of uneven thickness, or transformative process of stitch length is required during the sewing operation, the machine enable us to set up different stitches on 2 different stitch and to sew to the differently set up stitch length by simple operation for the stitch transformation, which provides the best quality and maximum productivity.



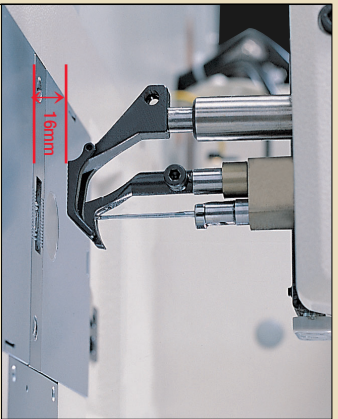
#### Convenient Operation of the Working Foot and Presser Foot's Alternating Vertical Movement

Through the dial installed on the top cover for convenient operation, the making foot and presser foot's alternating vertical movement(1~7mm) is easily adjusted to use. Also the sewing speed is automatically adjusted by the default so that stable sewing condition can be kept all the time.



#### Realized Precious Stitch in Sewing for Heavy Materials

Considering the sewing for heavy materials such as car-seat, bags, and sofa, the machine realizes smooth and powerful feed mechanism so even stitch is guaranteed in over-lapped section sewing having uneven thickness as well as in high speed.



#### Presser Foot Lifting Devices Optimized Heavy Materials

Making a great contribution toward productivity improvement, the presser foot lifting operation(18mm) by the presser foot lifting devices of pneumatic style reduces an operator's fatigue by its simple pedal operation.



#### The Very Best Trimming Mechanism

Aiming at perfect trimming, the trimming structure in the best condition for heavy materials adopts special materials and reliable structure design to guarantee the stable trimming and the best anti-abrasion. Without having a relation with thread condition.



#### Realizing Optimum Sewing Conditions

Contributed to a significant quality enhancement by realizing optimum sewing conditions for heavy materials.