

H9120S-7C-3/AK

High Speed Computerized Needle-Feed Lockstitch Machine



FEATURES WHAT MAKES HIKARI INNOVATIVE NEEDLE FEED LOCKSTITCH MACHINE UNIQUE ON THE MARKET:

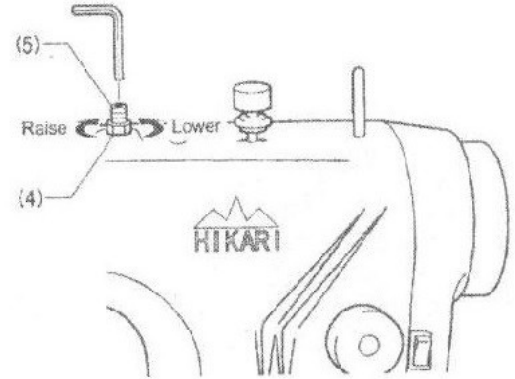
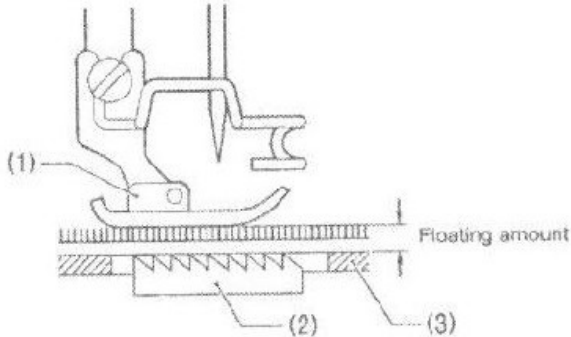
- Maintenance free direct-drive system for 14,6 % higher efficiency, and 66 - 71.5 % less power consumption compared to clutch motor equipped machines
- Built on the head adjustable LED light, for more precise work and better ergonomcy
- Semi-dry machine head
- Thread trimmer with round knife, for higher flexibility of the trimming
- Easy to adjust, micro lift function to lift the presser foot from 0,1 to 4 mm from the needle plate



HIKARI® Innovative Lockstitch Machines

Feel the innovation and efficiency

MICRO LIFT FUNCTION TO LIFT THE PRESSER FOOT FROM THE NEEDLE PLATE



Easy to adjust, micro lift function to lift the presser foot from 0,1 to 4 mm to the needle plate. These properties together, with the stitch length, and the flexible trim gives a unique machine for the production.

BUILT - ON THE HEAD LED LIGHT FOR MORE PRECISE WORK AND BETTER ERGONOMY



The LED light is built together with the reverse switch. It is mounted to the machine head for better clearance of the movements of the operator. The LED unit is equipped with 10 LEDs, and it is adjustable in 5 levels to work easier with reflective materials, and provides better visualization for the operator.

FULL FEATURED USER – FRIENDLY CONTROL PANEL

Full computerized, easy to use, user friendly control panel. The functions are grouped, and distributed according to the needs of the operator. The position of the functions are clearly separated, which helps the operator to use it faster to save time, and increase the efficiency. Functions like straight line and cycled sewing, backstitching, needle positioning, sewing speed and a other functions can be set up with the help of the LCD screen.



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The power saving technology of HIKARI

In the last few years, there was an exponential growth at the area of industrial sewing machines compared to the past 20 years.

In 2006 HIKARI made it's first direct drive single needle lockstitch machine the H8800A. Today the 4th generation the H8800D is on sale, with built in the head control box.

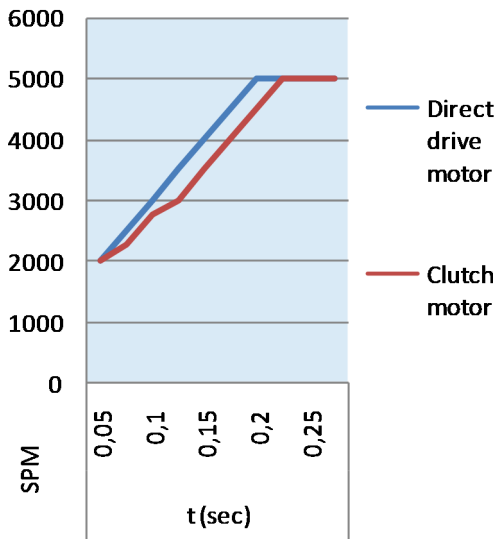
In 2007, the world first direct drive overlock had been released, and now the 3rd generation is on sale, which is the HX6800TA

HIKARI ® is the leading sewing machine manufacturer in the field of innovation with a biggest experience in direct drive technology, which makes bigger profit in your production site.

The Engineers of HIKARI developed their patented ideas in co-operation with one of the Universities in Shanghai.

PRODUCTIVITY GROWTH

Acceleration of motors



The direct drive sewing machines does not have transmission loss like the clutch motor machines. (The belt-drive sewing machine with servo motor has the same transmission loss as well. The increase of the production is about 14,6%. The belt-drive sewing machine sews 1000 meters. Under the same circumstances, the direct-drive sewing machine sews 1146 meters- in every shift.

With one investment, from the beginning, the direct drive motor equipped sewing machines produces extra profit!

REDUCED NEED FOR MAINTANANCE

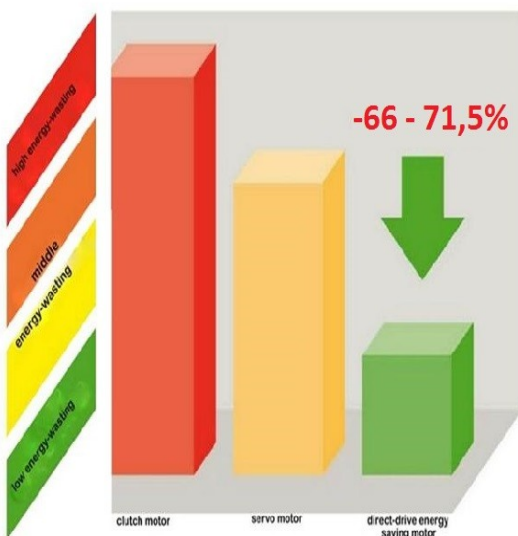
The direct drive motors does not require any maintenance. In Europe it's one of the major priorities, because savings on the operation and the maintenance costs gives higher extra profit, or free sources to distribute on the market.

REDUCED ENERGY CONSUMPTION

Compared to the clutch motors the direct-drive sewing machines saves up to 66 - 71,5% on electricity bills in every shift depending on the application.

REDUCED NOISE LEVEL

The main purpose is to improve the working conditions of the operators, to obtain a win-win situation. If the sewing machine "loads" less on the operator, they are more relaxed in the last 2-3 working hours, so the productivity's will not decrease as much as with a louder machine, and the produced waste will be less as well.



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What does it mean to use HIKARI machines in production?

Stay focused on the advantages offered by HIKARI:

1. It is possible to build a homogenous plant with HIKARI, because we can supply a wide variety of machines and special machines for the sewing room.
2. The strength of HIKARI is the strong development of the most applicable machines in the sewing room. Therefore, the biggest efficiency, the highest saving on electricity bills, and the lowest maintenance costs is provided in case of using the HIKARI machines:
 - Innovative Single Needle Lock Stitch Machines: H9180 series, H8800D series
 - Innovative Overlock Machines: HX6800TA/AK series

MODEL	H9120N-7C-3/AK	H9120SH-7C-3/AK
Application	Light - medium weight materials	Medium - heavy weight materials
Max. sewing speed	5000	4500
Max. stitch length	4,5 mm	5,5 mm
Needle bar stroke	31	35
Needle type	DPX1	DPX5
Presser foot height	6 -13 mm	
Micro lift height	0,1 - 4 mm	
Lubrication	Semi dry head	Semi dry head
Rotary Hook	Normal hook (Koban, Made in Japan)	Normal hook (Koban, Made in Japan)
Width x height of the working area	299 *117 mm	
Trimmer and wiper device	Automated round knife, wiper	
Foot lift	Automated	
Machine head driving system	Fully computerized direct drive motor	
Light	10 LED built on the head adjustable unit	
Power supply	Single phase 220V,550W	
Lubricant	Rotary hook	High Speed spindle oil
	Needle bar	HIKARI special grease

