



HO HSING

## HVP-90 SERIES AC SERVO MOTOR



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賀欣機械廠股份有限公司  
H.S.MACHINERY CO., LTD.

# HVP-90 SERIES AC SERVO MOTO

## FEATURES / 特性

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                      |
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| <ol style="list-style-type: none"> <li>1. One shot positioning.</li> <li>2. Highly accurate positioning <math>\pm 3.0^\circ</math></li> <li>3. Powerful operation box function: (Parameters programmable, linkable to PC, built-in EEPROM can manage and store the parameters setting).</li> <li>4. Solenoid over current protector.</li> <li>5. Low noise and low vibration and low power consumption.</li> <li>6. Linkable to PC.</li> <li>7. Software / Hardware 2-way protection system.</li> <li>8. Multi-Positioning mode.</li> <li>9. Switching power supply system (160V~280V AC).</li> <li>10. Powerful parameter system, easy adjustment and upgradable.</li> </ol> | <ol style="list-style-type: none"> <li>1. 一發準針</li> <li>2. 定位精準度 <math>\pm 3.0^\circ</math></li> <li>3. 強大選針盒功能：可參數設定功能，電腦連線，內建EEPROM可記憶並儲存設定</li> <li>4. 電磁閥過電流保護</li> <li>5. 低振動，低噪音，低耗能</li> <li>6. 電腦連線</li> <li>7. 軟硬體雙向保護機能</li> <li>8. 多種定位模式</li> <li>9. 交換式電源供應系統（160V~280V AC）</li> <li>10. 多元化的參數系統，設定簡單，參數可升級</li> </ol> |
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## (Standing Operation Pedal/立作業)

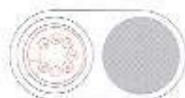
### FEATURES / 特性

- Three pedals design for speed, trimmer and foot lifter function.
- Smoothly speed change from low to high.
- Licensed by Mitsubishi Electric Co.
- Adopt to standing operation, increase sewing efficiency.
- Adopt to HCB, HVP motor.
- SOP-6可操控速度、剪線、抬押腳
- 從低速到高速的速度控制十分平滑
- 經日本三菱電機公司品質認證
- 可配合站立作業，提高縫製效能
- 可搭配HCB、HVP各系列的馬達使用



SOP-6A

## (Synchronizer/ 定位器)



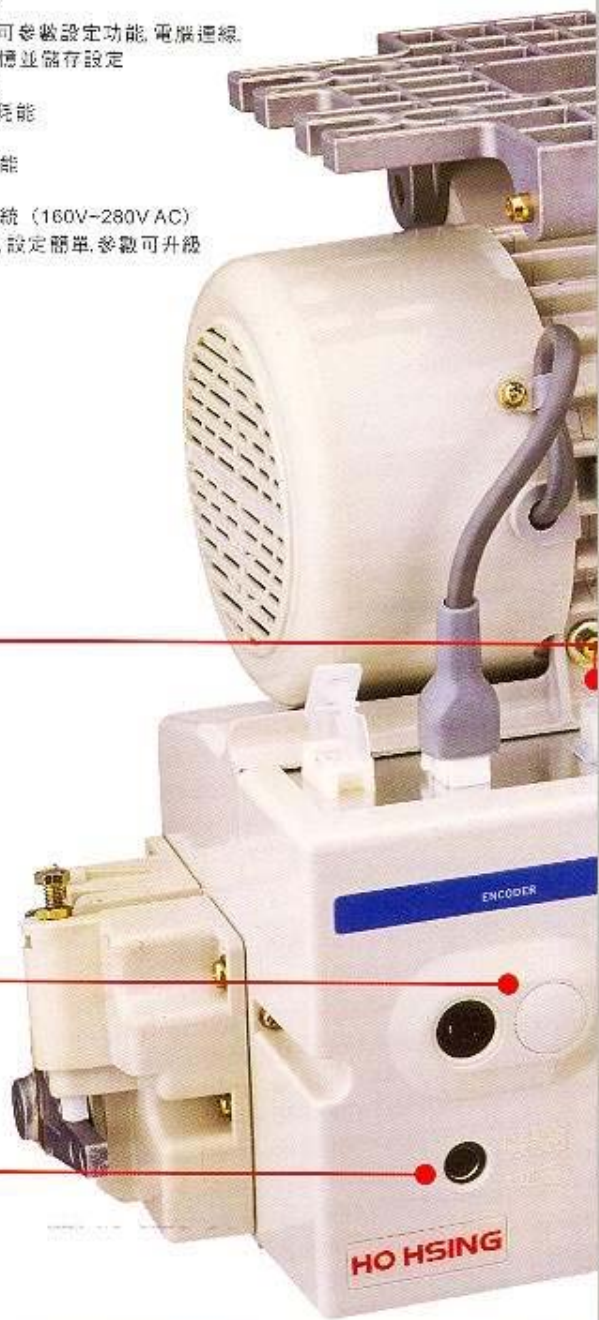
For JUKI type



800 Series



500 Series



## (Operation Box / 選針盒)



C-60M



### FEATURES / 特性

- Stitches are clearly displayed on the LCD.
- Start / End back tacking can be set in 1~15 stitches.
- Pattern sewing can be set in 1~99 stitches.
- LCD background light.
- Parameter setting is available.
- Linkable to PC.
- Counter / Timer function.
- Built-in EEPROM, save and backup your setting.

- 液晶顯示設定參數
- 起始/終止回縫針數設定範圍1~15針
- 定針直縫針數設定範圍1~99針
- 液晶背光功能
- 參數設定功能
- 電腦連線功能
- 計數器功能
- 內建EEPROM,可儲存設定

### FEATURES / 特性

- Stitches are clearly displayed on the
- Start / End back tacking can be set in
- Pattern sewing can be set in 1~99 stit

C-300M--For Standard Mounting  
C-300MB1--For Brother Built-in



**(Edge Sensor / 布邊檢知器)**

**(Automatic Foot Lifter / 抬押腳電磁閥)**



**PF-1 Series**

- 24/30V DC
- 15~20mm Stroke
- For General Lockstitch / Overlock

**PF-1 系列**

- 額定電壓 24/30V DC
- 15~20mm 行程
- 可用於一般平車/拷克車



**PF-2 Series**

- 24/30V DC
- 15~20mm Stroke
- For General Heavy Duty Lockstitch

**PF-2 系列**

- 額定電壓 24/30V DC
- 15~20mm 行程
- 可用於一般重載車



**PF-4 Series**

- 24V DC
- 20~30mm Stroke
- For Chainstitch Machines

**PF-4 系列**

- 額定電壓 24V DC
- 20~30mm 行程
- 可用於各式三本(繡縫)車



**PF-9 Series**

- 24V DC
- 10mm Stroke
- For DDL-8700

**PF-9 系列**

- 額定電壓 24V DC
- 10mm 行程
- 適用於DDL-8700



**AF-168 Series**

- 30V DC
- 10mm Stroke
- For B737-Series

**AF-168**

- 額定電壓 30V DC
- 10mm 行程
- 適用於B737系列



**AF-899 Series**

- 30V DC
- 10 mm Stroke
- For S-7200 A - Series

**AF-899**

- 額定電壓 30V DC
- 10 mm 行程
- 適用於S-7200A系列



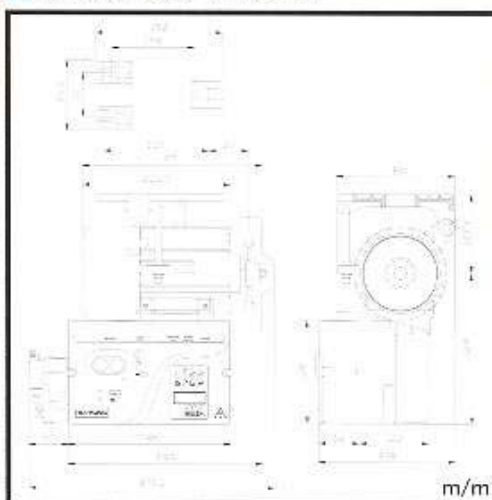
**C-300M**

- 液晶顯示設定參數
- 起始/終止回線針數設定範圍1~9針
- 定針直線針數設定範圍1~99針

## Specification / 規格

Function	機 能	HVP-90-3	HVP-90-4
Motor Output	馬 達 出 力	550 W- 3000 rpm. 750 W- 2000 rpm.	
Power Voltage Range	電 壓 範 圍	Single Phase : 100-120V / 200-240V Three Phase : 200~240V	
Pulley Size Available	皮 帶 輪 尺 寸	85-130mm	
One Shot Positioning	一 發 著 針	★	★
Needle UP/DOWN	停 針 上 / 下	★	★
Soft Start	慢 速 啟 動	★	★
Presser Foot Lifting	押 腳 提 升	★	★
Trimmer / Wiper	切 線 / 掃 針	★	★
Automatic Back-Tacking	自 動 回 縫	★	★
Reverse at Stop	停 針 反 轉	★	★
Power Transistor Protection	電 晶 體 過 載 保 護	★	★
Power Module Protection	模 組 保 護	★	★
Input Signal Port	入 力 信 號 數	2	13
Solenoid Signal Output Port	電 磁 閥 出 力 信 號 數	4	8
Edge Sensor Input Port	電 眼 輸 入 信 號 數	0	2
Gross Weight	毛 重	11.5 kg	
Packing Dimension	包 裝 外 部 尺 寸	424L X 409W X 355H mm	

## Dimension / 尺寸圖



## HVP-90 & HVP-60 Difference Comparison List

Category	HVP-90	HVP-60
1. Motor	550W / 750W available.	550W only.
2. Control Box	Similar exterior	
	• 7-segment display, LED light bright and clear.	• LCD display no light.
	• Connector panel and main board are separated. Easy to change.	• Connector panel and main board are together. Change is complicated.
	• Switching power supply system.	• Traditional power supply system.
	• New type intelligent module.	• Regular type IGBT module.
3. Operation Box	• Linkable to PC.	• Not available.
	• One shot positioning.	• Not available.
	C-60M (mini-DIN)	C-300M (mini-DIN)
	C-30 (15 pins Molex)	
4. Synchronizer	• Parameter setting.	• Not available.
	• Back light.	• Not available.
	• Linkable to PC.	• Not available.

## HVP-90 及 HVP-60 差異比較表

比較部分	HVP-90	HVP-60
1. 馬達部分	550W / 750W	550W
2. 控制箱部分	外型類似	
	• 面板使用七段顯示器LED燈光顯示清晰	• 液晶LCD顯示無燈光
	• 端子座與基板分離，更換簡單	• 端子座與主基板結合，更換困難
	• 交換式電源供應系統	• 傳統式電源供應系統
	• 智慧型模組保護功能	• 一般IGBT模組
3. 選針盒部分	• 控制箱可與電腦連線	• 控制箱無法與電腦連線
	• 一發著針功能	• 無一發著針功能
	C-60M (mini-DIN)	C-300M (mini DIN)
	C-30 (15 pins Molex)	
4. 定位器部分	• 參數可調	• 參數不可調
	• 有背光設計	• 無背光設計
	• 可與電腦連線	• 無法與電腦連線

## Model Code / 編碼規則

### HVP-90-3-BR-215-CE

- CE approved / CE 認證
- Controller power output / 輸出功率
- Voltage (1:100-120V / 2:200-240V) / 電壓
- Machine code / 車頭碼
- Function / 功能區分

All the technical data, dimensions and weights are for reference only, and are subject to change without notice. For other products information please contact our sales representative or visit our web site at [www.hohsing.com](http://www.hohsing.com)



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