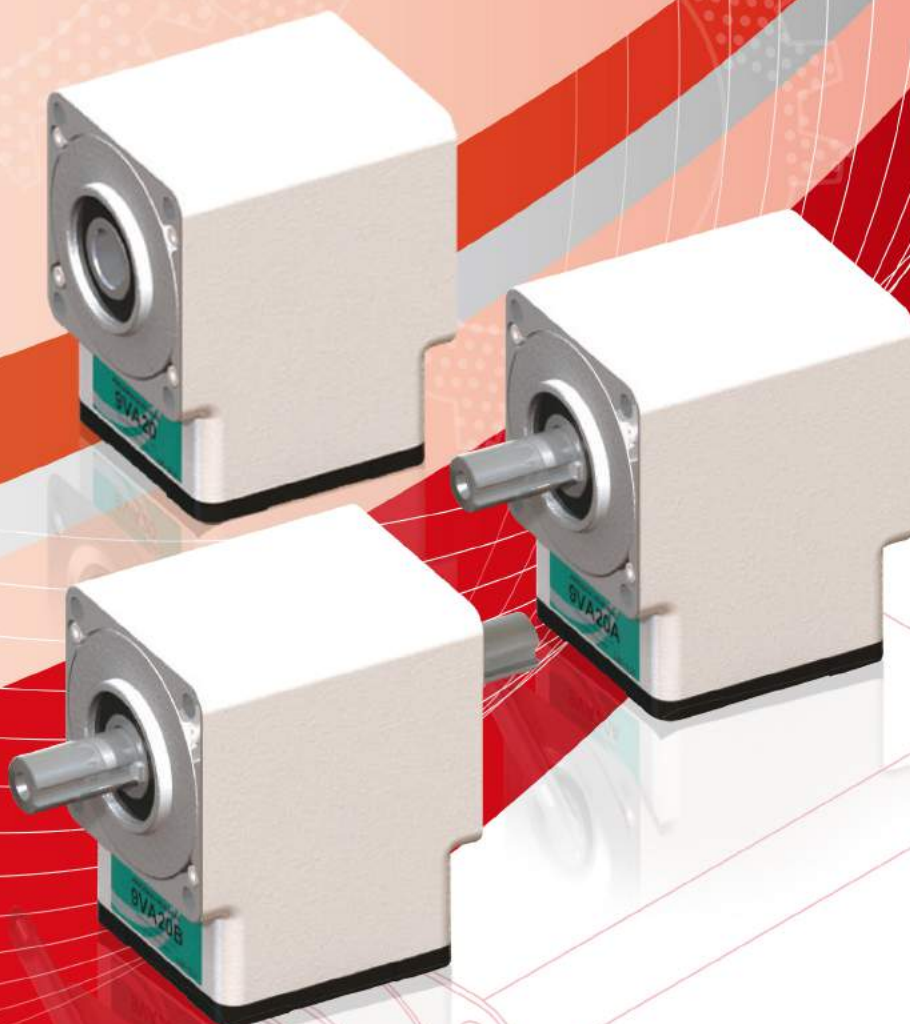


*Efficiency of
Space saving*



Right angle Gearhead

直交型 **減速機** 簡錄



厚利小幫手 應用程式
Sunholy helper Application



厚利小幫手 應用程式(中国)
Sunholy helper Application (China)



厚利官網
Sunholy Website

Ver.
2

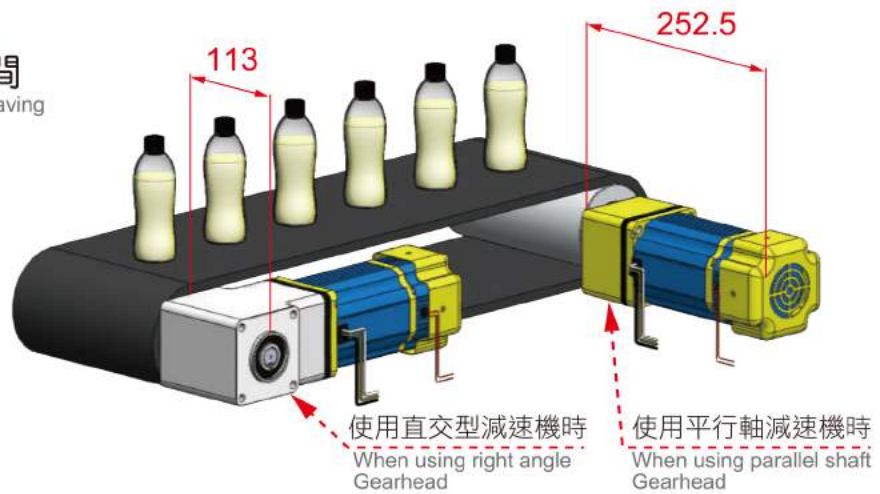
Right angle Gearhead

直交型減速機 Right angle Gearhead

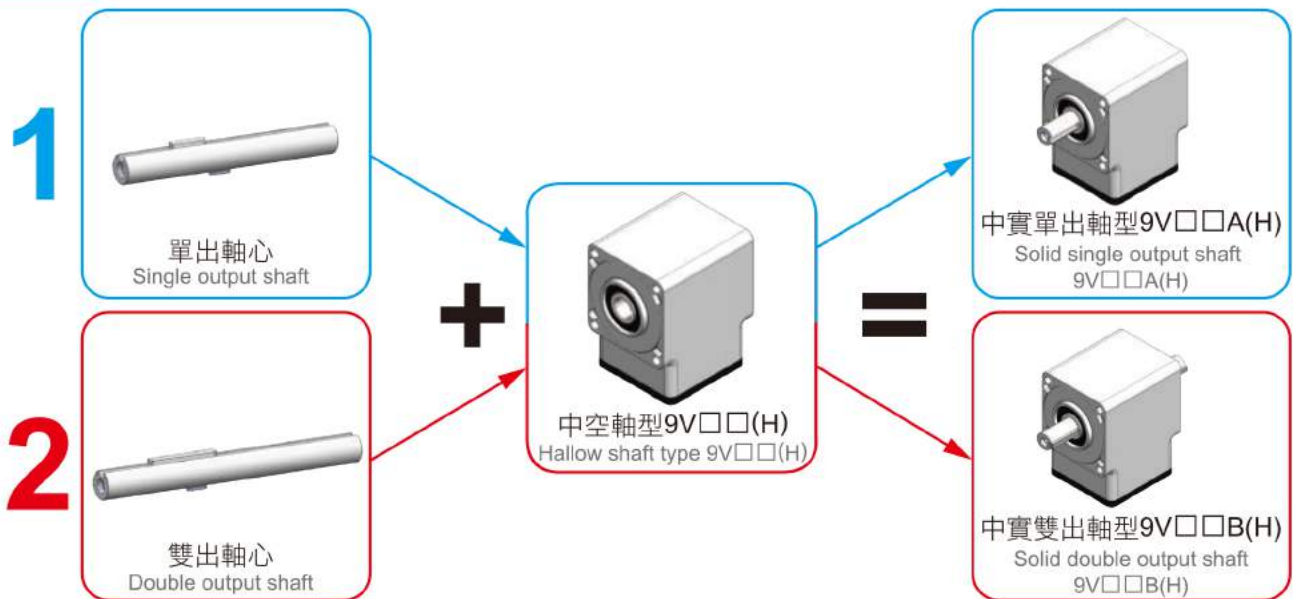
特色1 直角安裝，節省空間
Feature 1 Right angle Installation, Space Saving

■ 節省**139.5mm**的空間!!
Save 139.5mm space!!

※圖示為9R90P-□M
搭360比減速機為例
※Right image is the example
for motor (9R90P-□M) with
gearhead ratio 1:360



特色2 各軸型間採共用機型，替換搭配容易
Feature 2 Each Output Shaft Adopting Common Models, Easy Replacement



■ 中空軸型與中實軸型(單出軸/雙出軸)採共用機型，安裝應用方便。
Hallow shaft type and solid shaft type (Single output shaft/Double output shaft) adopts common model to for convenient installation and application.

特色3 軸心與減速機本體採鍵槽結合方式，強度大幅提升
Feature 3 Output Shaft And Gearhead Body Adopt Keyway Combination. Boost High Strength

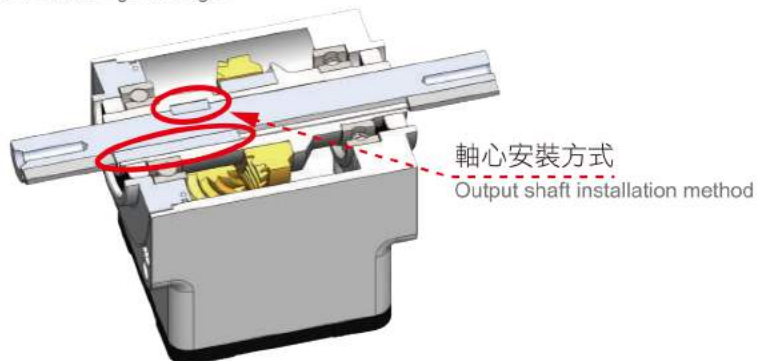
新型專利證書 New Type Patent Certificate



台灣
Taiwan

中國
China

日本
Japan



■ 新型的專利結構設計，強度較它牌螺栓結合方式提升!
Compared with the bolt combination method with other brand, the new type patent structure design has more higher strength!

特色4
Feature 4

對稱型結構設計，有效提高水平/垂直載重強度
Symmetrical Structure Design, Enhance Horizontal / Vertical Load Strength

新式樣專利證書 New Type Patent Certificate



台灣
Taiwan



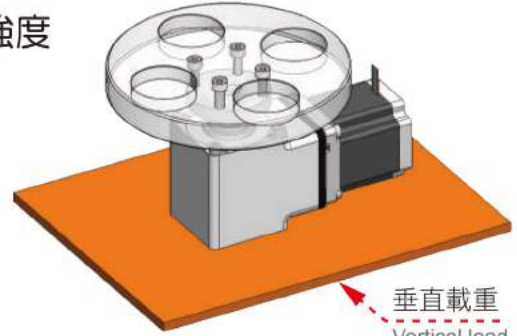
中國
China



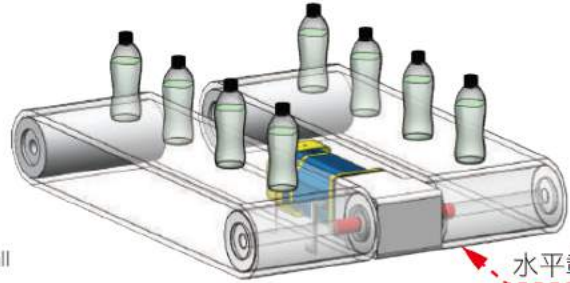
日本
Japan

■ 新式樣的專利結構設計，前後偏心率小，可使用相同載重，方便安裝應用於各場合。

The new type patent structure design, and it has small front and rear eccentricity amount. It can be used in the same load and easy to install for to being used in various applications.



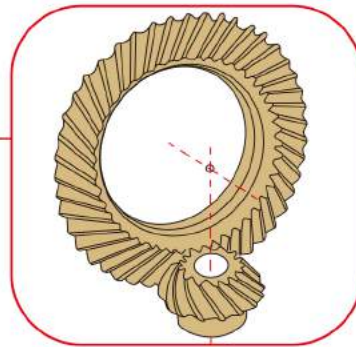
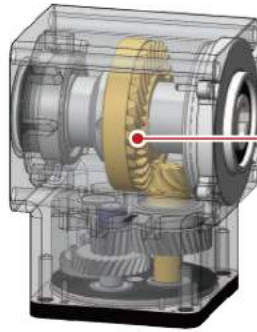
垂直載重
Vertical load



水平載重
Horizontal load

特色5
Feature 5

採螺旋傘型齒輪結構，可提高傳動效率
Adopt Spiral Bevel Gear Structure, High Transmission Efficiency



■ **品名看法 Model Name**

9

V

A

9

A

H

安裝面尺寸
Installation Dimension

9 □90mm

產品系列
Product Series

直交型減速機
Right angle Gearhead

使用馬達類型
Using Motor Series

A AC感應馬達
AC Induction Motor

D DC無刷馬達
DC Brushless Motor

H 步進馬達
Stepping Motor

減速比
Gearhead ratio

| | | | |
|------|--------|-----|-------|
| 7.5 | 1/7.5 | 75 | 1/75 |
| 9 | 1/9 | 90 | 1/90 |
| 12.5 | 1/12.5 | 100 | 1/100 |
| 15 | 1/15 | 120 | 1/120 |
| 18 | 1/18 | 150 | 1/150 |
| 20 | 1/20 | 180 | 1/180 |
| 25 | 1/25 | 200 | 1/200 |
| 30 | 1/30 | 250 | 1/250 |
| 36 | 1/36 | 300 | 1/300 |
| 50 | 1/50 | 360 | 1/360 |
| 60 | 1/60 | | |

軸型式
Shaft type

無 中空軸型
Hollow shaft

A 中實
單出軸型
Solid single output shaft

B 中實
雙出軸型
Solid double output shaft

強度區分
Strength Distinction

無 標準型
Standard type

H 高強度型
High strength

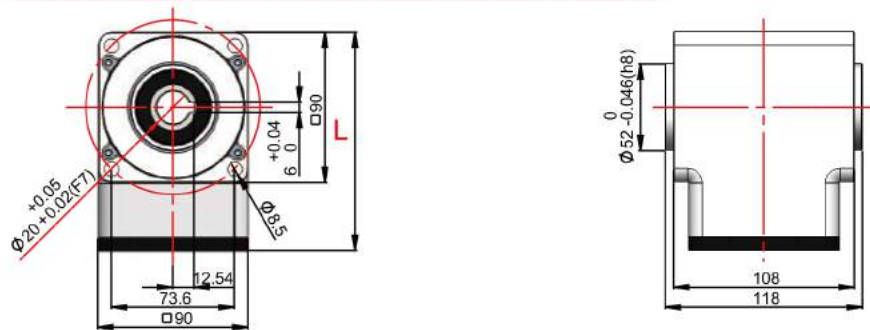
■ 規格 Specification

| | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|------|-----|----|----|-----|----|----|-----|----|----|-----|--|-----|-----|-----|-----|-----|---|-----|
| 型式 Type | 中空軸9V□□(H) / 中實單出軸9V□□A(H) / 中實雙出軸9V□□B(H) Hallow shaft type 9V□□(H) / Solid single output shaft 9V□□A(H) / Solid double output shaft 9V□□B(H) | | | | | | | | | | | | | | | | | | | | |
| 減速比數 Gearhead ratio | 7.5 | 9 | 12.5 | 15 | 18 | 20 | 25 | 30 | 36 | 50 | 60 | 75 | 90 | 100 | 120 | 150 | 180 | 200 | 250 | 300 | 360 |
| 傳動效率 Transmission efficiency | 70% | | | 75% | | | 80% | | | 85% | | | 90% | | | | | | | | |
| 運轉方向 Operation direction | 與馬達本體的軸心運轉方向相反 Opposite to the operation direction of Motor body output shaft | | | | | | | | | | | | | 與馬達本體的軸心運轉方向相同 The same as the operation direction of Motor body output shaft | | | | | | | |
| 容許轉矩/ 容許負載慣性 Permissible Torque/ Permissible inertia load | 與平行軸減速機規格相同(因受限於馬達軸心強度，請參照各類型馬達型錄) The same specification as the parallel shaft type gearhead (Due to be limited to the strength of Motor output shaft, please refer to each types of Motor catalogues) | | | | | | | | | | | | | | | | | | | | |
| 容許徑向(懸吊)載重 Permissible radial load | 凸緣安裝面到懸吊載重點的距離為： Distance between the flange mounting surface and suspension point： 10 mm 時→1040N 20 mm 時→950N $Lx \text{ mm 時} \rightarrow \square N = \frac{97.8}{97.8+Lx} \times 1150N^*$ *1150N為凸緣安裝面位置的容許懸吊載重值 The permissible radial (suspension) load value of flange mounting surface place. | | | | | | | | | | | | | | | | | | |  | |
| 容許軸向(推力)載重 Permissible axial load | 700N | | | | | | | | | | | | | | | | | | | | |

■ 外形尺寸圖 Dimension

中空軸型9V□□(H) Hallow shaft type 9V□□(H)

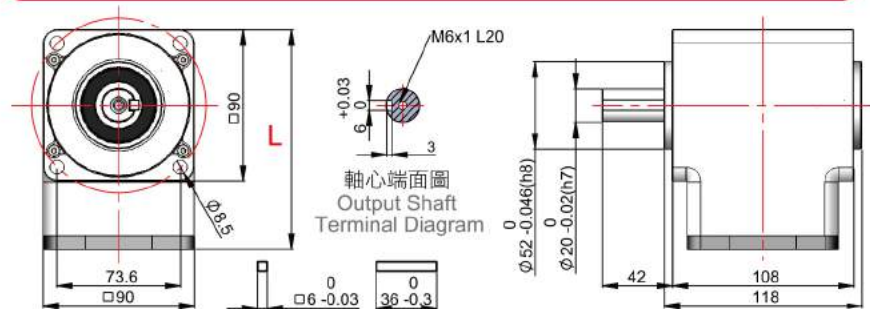
單位Unit : mm



| 減速比 Gearhead ratio | 高度L(mm) Height L | 重量(g) Weight |
|-----------------------|---------------------|-----------------|
| 7.5~100 | 130.6 | 3000 |
| 120~360 | 143.6 | 3500 |

中實單出軸型9V□□A(H) Solid single output shaft 9V□□A(H)

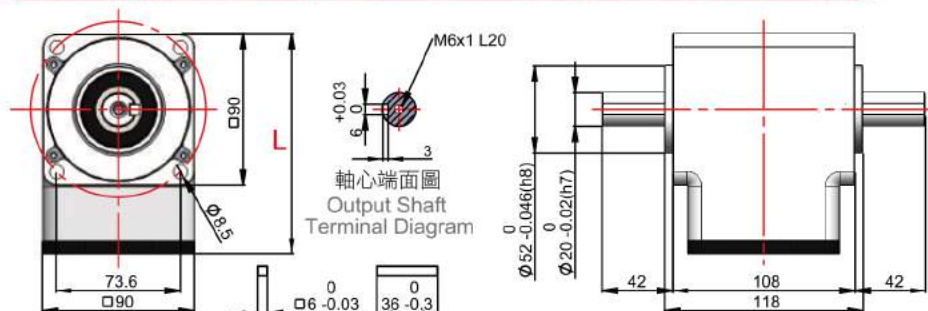
單位Unit : mm



| 減速比 Gearhead ratio | 高度L(mm) Height L | 重量(g) Weight |
|-----------------------|---------------------|-----------------|
| 7.5~100 | 130.6 | 3370 |
| 120~360 | 143.6 | 3870 |

中實雙出軸型9V□□B(H) Solid double output shaft 9V□□B(H)

單位Unit : mm



| 減速比 Gearhead ratio | 高度L(mm) Height L | 重量(g) Weight |
|-----------------------|---------------------|-----------------|
| 7.5~100 | 130.6 | 3450 |
| 120~360 | 143.6 | 3950 |

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