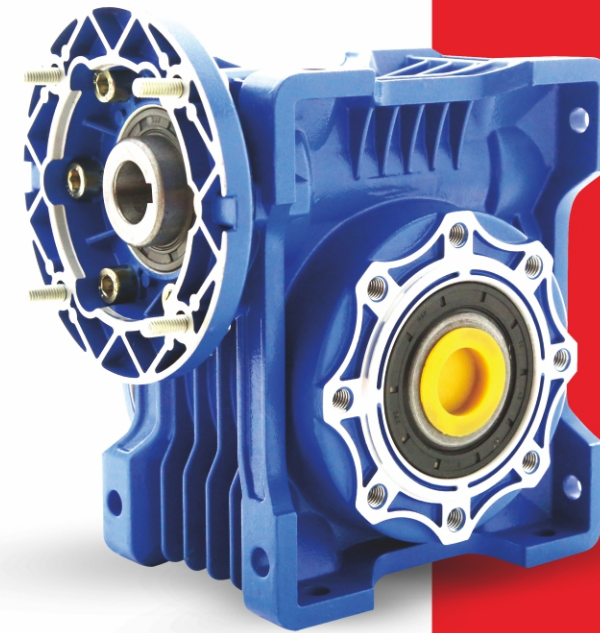




# WORM GEAR REDUCER

RV系列蜗轮蜗杆减速机  
RV Series Worm Gear Speed Reducer





# 公司简介/ INTRODUCTION

公司位于杭州空港经济区，距离杭州萧山国际机场2公里，距沪杭甬高速公路仅6公里，交通极为便利。是一家集开发、设计、制造为一体的专业从事RV铝壳减速机的生产企业，率先通过ISO9001:2000国际质量体系认证，销售网点覆盖全国。

自公司创办以来，一直致力于高新产品的研制开发。以不断的研发适应市场的高新产品为导向，以创新、速度、发展为理念。在技术不断创新的同时，我们通过不断引进世界先进的加工和检测设备，实现了技术与装备的集成创新，使企业核心技术力量和核心竞争力不断增强，让企业的持续发展得到保障。目前产品广销全国各地，远销欧美及东南亚地区。

The company is located in Hangzhou Airport Economic Zone, 2 kilometers away from Hangzhou Xiaoshan International Airport, only 6 kilometers away from Shanghai-Hangzhou-Ningbo Expressway, the transportation is very convenient. Is a set of development, design, manufacturing as one of the professional RV aluminum reducer production enterprises, took the lead through ISO9001:2000 international quality system certification, sales outlets covering the country.

Since the establishment of the company, has been committed to the development of high-tech products. With constant research and development to adapt to the market of high-tech products as the guidance, to innovation, speed, development as the concept. At the same time of continuous technological innovation, we have continuously introduced the world's advanced processing and testing equipment to achieve the integrated innovation of technology and equipment, so that the core technical strength and core competitiveness of the enterprise continue to enhance, so that the sustainable development of the enterprise is guaranteed. At present, the products are widely sold all over the country and exported to Europe, America and Southeast Asia.

专业蜗轮蜗杆减速机制造商

Professional Manufacturer of  
Worm Gear Reducer

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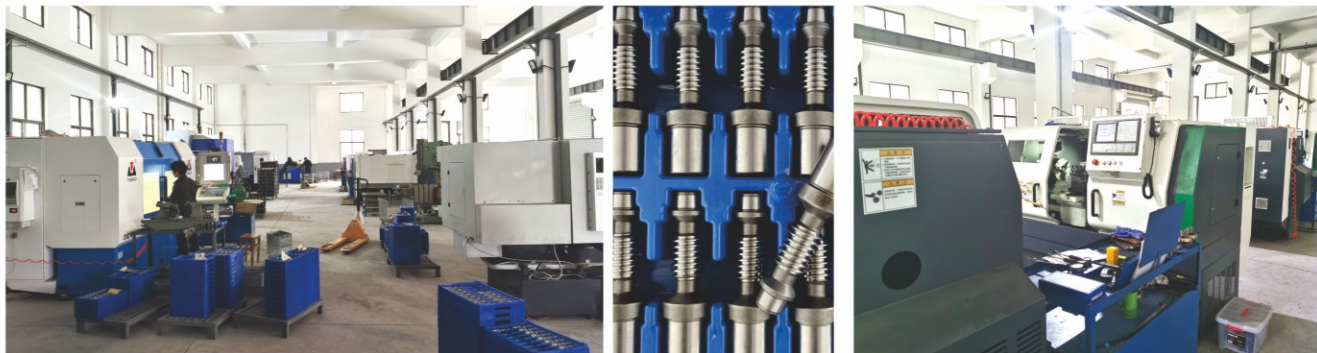
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## RW系列蜗轮蜗杆减速机 RW Series Worm Gear Speed Reducer

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## 工艺及检测设备

Techincs & testing equipment

拥有高精度的数控机床和加工中心，先进的设备及检测仪器  
精良的工艺以及严格完善的质量管理体系  
并聚集具有专业技术的精英和领先水平的科技队伍  
充分利用新技术、新工艺、新材料保证产品的稳定性和可靠性  
产品质量取源于制造手段的先进，精品意识源于不断的创新

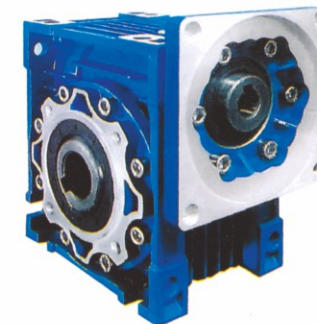


## 产品图片

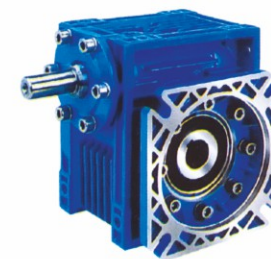
Product picture



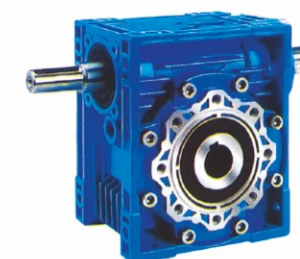
NMRV



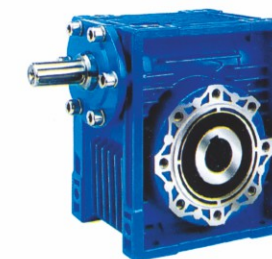
NMRV  
(For servo motor)



NRV..F



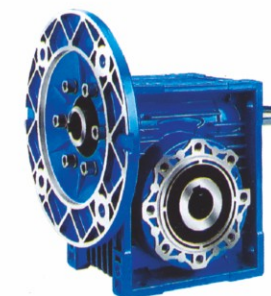
NRV..VS



NRV



NMRV..F



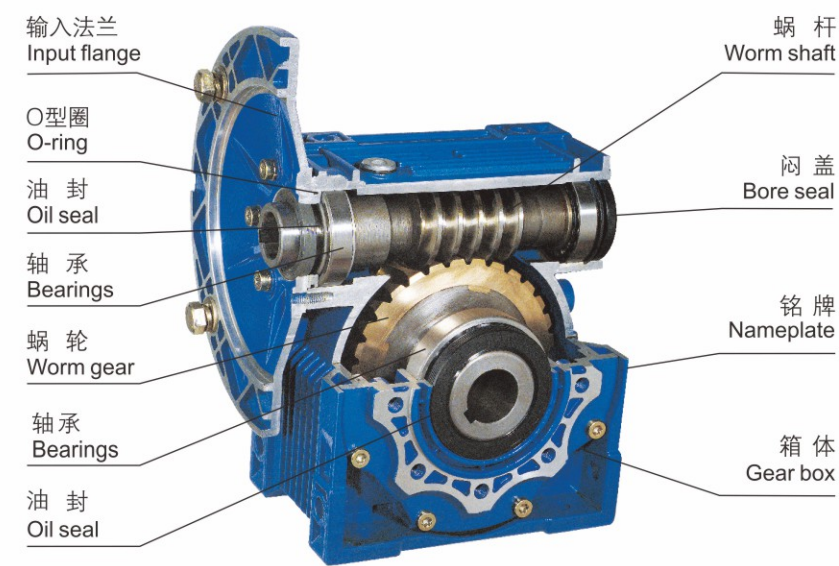
NMRV..VS



NMRV+NMRV



产品结构图 Products Structure View



产品概述 Product summary

- 单级蜗杆减速机
- 采用优质铝合金压铸箱体，外形轻巧美观，结构紧凑，体积小，重量轻，节省安装空间，不易锈蚀。
  - 散热性能好，安全可靠，效率高。
  - 承载能力高，传动平稳，振动小，噪音低。
  - 具有动力输入及转矩输出的多种联接结构，满足多种联接需要；箱体外形设计及底脚孔设置布局适应多种安装方式，通用性强。
  - 中小型箱体为全封闭结构，密封性强，箱体内润滑油不易损耗变质，不需更换，便于维护保养。
- 双级蜗杆减速机
- 由单级蜗杆减速机组合而成，具有单级蜗杆减速机的一切优点，和获得大的传动比。
  - 常用双级组合机型为: 25/30、25/40、30/40、30/50、30/63、40/75、40/90、50/110、63/130、63/150，用户若有特殊要求时，可根据实际需要选择25、30、40、50、63、75、90、110、130、150作为组合单元另行组合。

Single Step Worm Gear Reducer

- Made of Aluminum alloy die-casting box, good looking in appearance, compact in structure rust proofing on Surface and small volume to save mounting space.
- Good radiating characteristic leads safe and high efficiency for using.
- The strong capacity of loading and overload ensure stable transmission, make less vibration and noise.
- Varies of connecting structure for power input and torque output meet different requirements; the design of box outline and the set of foot hole is apt to with many kinds of mounting.
- Besides big cases, no gap structure of box means a maintenance-free that is hermetically sealed. It prevents the lubricant from easily losing and going bad, and exchanging.

Double Step Worm Gear Reducer

- It is combined by two single step reducers and has all the virtues of them. And you can get bigger ratio with it.
- The models of 25/30、25/40、30/40、30/50、30/63、40/75、40/90、50/110、63/130、63/150, are in common use. You can choose 25、30、40、50、63、75、90、110、130、150 as combination units to combine according to the fact of your special needs.

选型方法 Service factor

- 为正确选择NMRV蜗杆减速机，敬请用户首先了解以下几点：
- 负荷条件
  - 使用转速范围或速比(与双级组合可获得超低输出转速)
  - 工作运转情况及环境（温度、湿度、腐蚀等）
  - 安装空间

- 确定工作情况系数K1及工作情况修正系数K2
- 根据表1，决定机械负荷种类A、B、C。
  - 根据运转时间(小时/天)和启动频率(次数/小时)从图1中求得工作情况系数K1。
  - 根据表2，查取工作情况修正系数K2。

- Please read before use:
- Load condition
  - Speed of rotation or speed ratio ( combination with combine speed reducer can get extra low outputting rotational speed )
  - Work circumstance ( temperature, humidity, corrosion etc. )
  - Space of installation

- Ensure coefficient of work condition K1 and coefficient of revise K2
- According to the table 1, choose machinery loading type A, B, C
  - According to the working time(h/d) and frequency ( times/h ) get the coefficient of work condition K1 from table 1
  - According to the table 2, pick up coefficient of revise K2

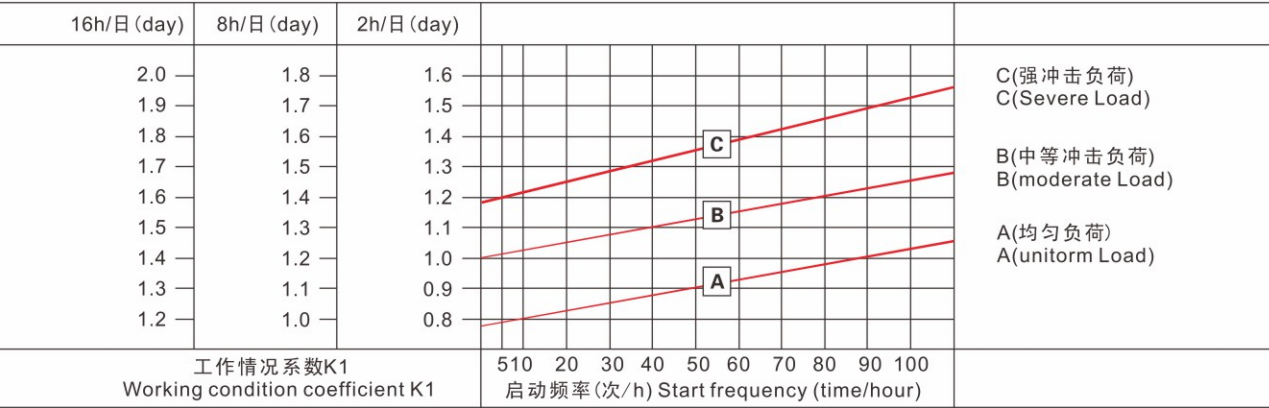
机械负荷种类选定（表1）  
Table 1 machinery load classification selection

| 使用情况<br>Using Situation | 示例<br>Example                                | 负荷种类<br>Load Type             |
|-------------------------|----------------------------------------------|-------------------------------|
| 无冲击均匀负荷<br>Uniform Load | 传送带(均速输送)<br>Convay Band (uniform Conveying) | A(均匀负荷)<br>A(unitorm Load)    |
| 中等冲击负荷<br>Moderate Load | 传送带(变速输送)<br>Speed Changed Conveying         | B(中等冲击负荷)<br>B(moderate Load) |
| 强烈冲击负荷<br>Severe Load   | 压缩机、粉碎机<br>Compressor、Pulverizer, etc.       | C(强冲击负荷)<br>C(severe Load)    |

工作情况修正系数K2选定（表2）  
Table 2 working condition coefficient K2

| 环境温度<br>Ambient Temperature | 工作情况修正系数k2<br>Working Condition Coefficient K2 |
|-----------------------------|------------------------------------------------|
| -10℃～30℃                    | 1                                              |
| 30℃～40℃                     | 1.1～1.2                                        |

工作情况系数K1选定(图1) Diagram 1 working condition coefficient K1





选定减速机

- 用户须先确定工作机输入机械负荷T(转矩)，以T乘以工作情况系数K1，再乘以工作情况修正系数K2，即获得减速机应有的输出转矩值，以此为据，并结合速比值或输出转速值，选定所需减速机规格。
- 用户也可以根据已知的输入功率，结合合理比值或输出转速值，计算输出转矩，选定减速机。

选型示例

例1.通用传送带(均匀负荷)

转矩: 19N.m,                      运转时间: 8小时/天,  
转速: 约55r/min,                启动频率: 10次/小时,  
减速机: 1/25,                    环境温度: 室内25℃,            电机直联

- ① 根据表1,决定负荷种类  
  负荷种类: 无冲击均匀负荷, 选A;
- ② 根据图1,在A线上取频率10次/小时的交点, 求出运转时间8小时/天的系数K1=1;
- ③ 根据表2, 查得系数K2=1;
- ④ 则转矩值为19x K1 xK2=19x1 x 1=19 N.m,可选择最接近19 N.m的减速机。  
  选定结果: NMRV30-1/25  
              输入功率0.18kW, 输出转速56转/分, 输出转矩21 N.m

例2. 输送带(中等冲击负荷)

转矩: 65N.m,                      运转时间: 16小时/天,  
转速: 约21 r/min,                启动频率: 100次/小时,  
减速机: 1/60,                    环境温度: 室内35℃,            电机直联

- ① 根据表1. 决定负荷种类  
  负荷种类: 轻度冲击负荷, 选B;
- ② 根据图1, 在B线上取频率100次/小时的支点, 求出运转时间16小时/天的系数K1 =1.65;
- ③ 根据表2, 查得系数K2=1.15;
- ④ 则转矩值为65x K1 x K2=70 x 1.65 x 1.15=123 N.m, 可选择最接近123N. m的减速机。  
  选定结果: NMRV63-1/60  
              输入功率0.55kW, 输出转速23. 3转/分, 输出转矩140N.m

How to select

- At first, to ensure the value of input machinery load T(torque), multiple K1 and K2 by T, then you can get the value of output torque, on the basis of which, also consider speed of output rotation or speed ratio then you can choose specification.
- You can calculate the output torque based on the known input power, reasonable ratio or speed of output rotation, then you can choose specification.

Example for model selection

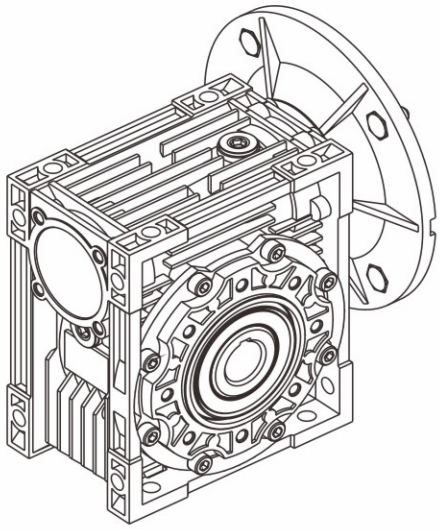
Ex1. General conveyor belt (uniform load)

Torque: 19N.m                      Turning time: 8hs/day  
Speed of rotation: about 55r/min    start frequency: 10times/h  
Ratio:1/25                      Temperature:25℃ ( indoor )    Connect with motor direct  
①According to the table 1,ensure type of load  
Type of load: load-bearing uniform without impact, choose A;  
②According to diagram 1, choose the point 10times/h on the intersection A, we can get the K1=1 of turning time 8hs/d;  
③According to the table 2,get the K2=1;  
④The value of torque is 19 × K1 × K2=19 × 1 × 1=19N.m,choose the closest 19N.m reducer.  
Choose selection: NMRV30-1/25  
Input power = 0.18kw, the speed of output rotation is= 56r/min,  
the value of output torque is 21N.m

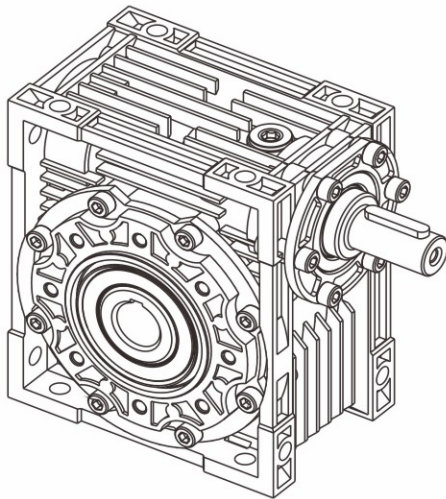
Ex2.conveying belt(moderate load)

Torque:65N.m                      Turning time:16hs/d  
Speed of rotation:about 21r/min    Start frequency:100times/h  
Ratio:1/60                      Temperature:35℃ ( indoor )    Connect with motor direct  
①According to the table 1,ensure type of load  
Type of load: light load-bearing, choose B;  
②According to diagram 1, choose the point 100times/h on the intersection B,then you can get the K1=1.65 of turning time16hs/d;  
③According to the table 2,get the K2=1.15;  
④The value of torque is 65 × K1 × K2=70 × 1.65 × 1.15=123N.m, choose the closest 123N.m reducer..  
Choose selection: NMRV63-1/60  
Input power = 0.55kw, the speed of output rotation =23.3r/min,the value of output torque is 140N.m

NMRV/NRV



NMRV



NRV

型号说明 Model notes

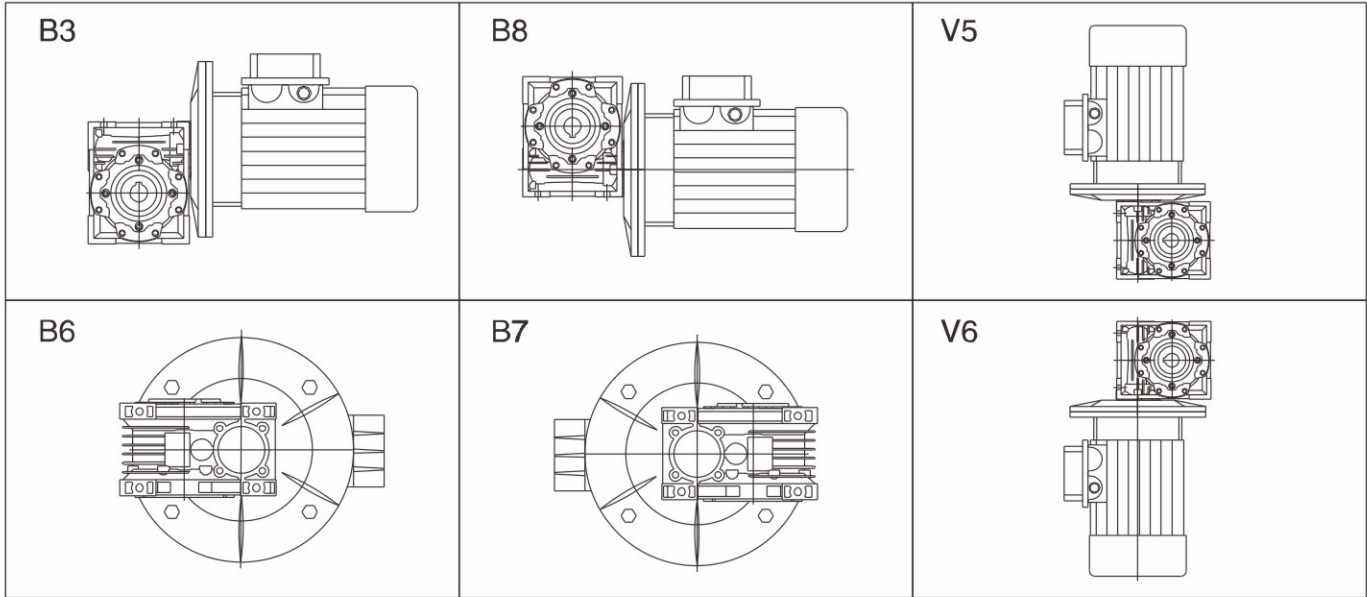
| NMRV-063-30-VS-F1 (FA)-AS-80B5-0.55kW-B3 |                                                                |         |                                         |
|------------------------------------------|----------------------------------------------------------------|---------|-----------------------------------------|
| NMRV                                     | 蜗轮减速机<br>Worm gear speed reducer                               |         |                                         |
| NRV                                      | 蜗轮减速机(配接输入轴)<br>Worm gear speed reducer (Mounting input shaft) |         |                                         |
| 063                                      | 蜗轮减速机中心距<br>Center distance                                    |         |                                         |
| 30                                       | 减速比<br>Reduction ratio                                         |         |                                         |
| VS                                       | 双向输入轴<br>Double input shaft                                    | F1 (FA) | 输出法兰位置及型号<br>Output flange              |
| AS                                       | 单向输出轴<br>Single output shaft                                   | AB      | 双向输出轴<br>Double output shaft            |
| PAM                                      | 电机联接<br>Fitted for motor coupling                              | 80B5    | 电机机座号和安装结构形式<br>Motor mounting facility |
| 0.55kW                                   | 电机功率<br>Electric motor power                                   | B3      | 安装方位<br>Mounting position               |



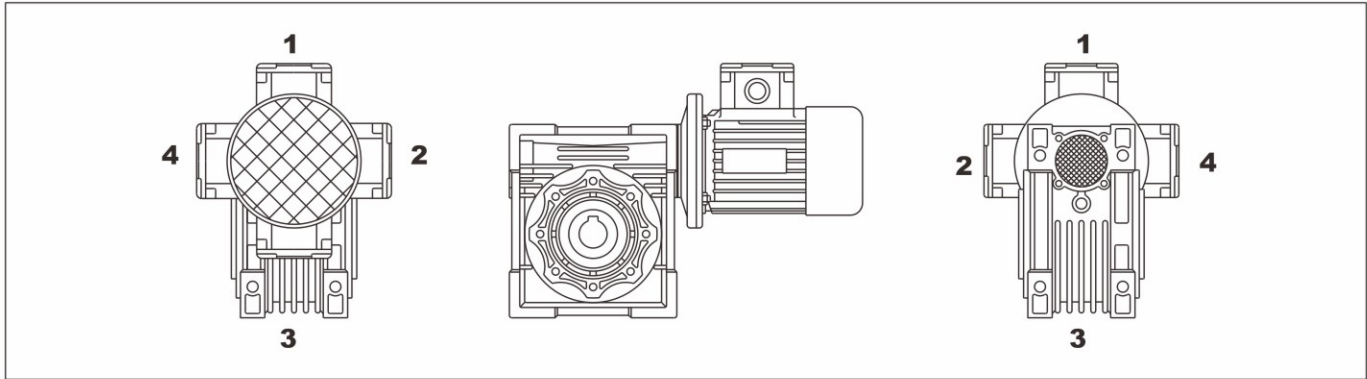
国内外型号对照 Comparative table of model

|                          |          |          |          |          |          |          |          |          |          |          |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 本企业<br>Our<br>enterprise | NMRV025  | NMRV030  | NMRV040  | NMRV050  | NMRV063  | NMRV075  | NMRV090  | NMRV110  | NMRV130  | NMRV150  |
|                          |          | NRV030   | NRV040   | NRV050   | NRV063   | NRV075   | NRV090   | NRV110   | NRV130   | NRV150   |
| 国内企业<br>Domestic         | NMRV025  | NMRV030  | NMRV040  | NMRV050  | NMRV063  | NMRV075  | NMRV090  | NMRV110  | NMRV130  | NMRV150  |
|                          |          | NRV030   | NRV040   | NRV050   | NRV063   | NRV075   | NRV090   | NRV110   | NRV130   | NRV150   |
|                          | WJ25     | WJ30     | WJ40     | WJ50     | WJ63     | WJ75     | WJ90     | WJ110    | WJ130    | WJ150    |
|                          | FCNDK25  | FCNDK30  | FCNDK40  | FCNDK50  | FCNDK63  | FCNDK75  | FCNDK90  | FCNDK110 | FCNDK130 | FCNDK150 |
|                          |          | FCNK30   | FCNK40   | FCNK50   | FCNK63   | FCNK75   | FCNK90   | FCNK110  | FCNK130  | FCNK150  |
|                          | JRSTD025 | JRSTD030 | JRSTD040 | JRSTD050 | JRSTD063 | JRSTD075 | JRSTD090 | JRSTD110 | JRSTD130 | JRSTD150 |
|                          |          | JRST030  | JRST040  | JRST050  | JRST063  | JRST075  | JRST090  | JRST110  | JRST130  | JRST150  |

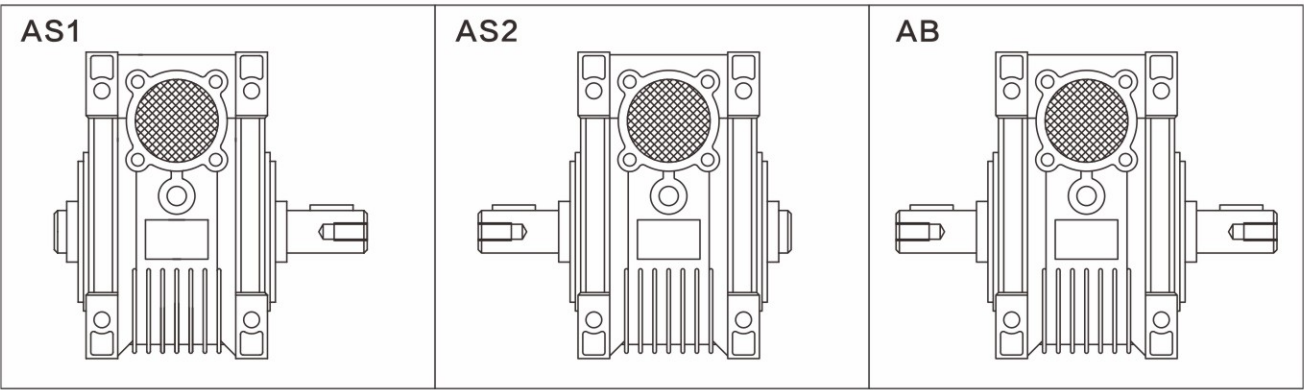
单级安装型式 Single Step Mounting Positions



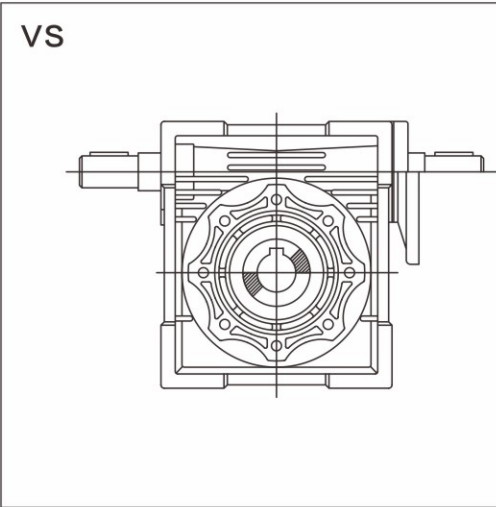
接线盒安装方式 Position of terminal box



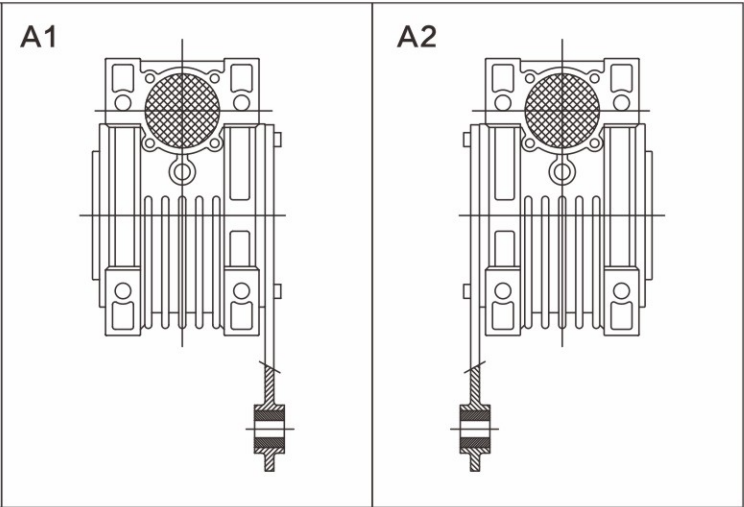
输出轴配置 Position of output shaft



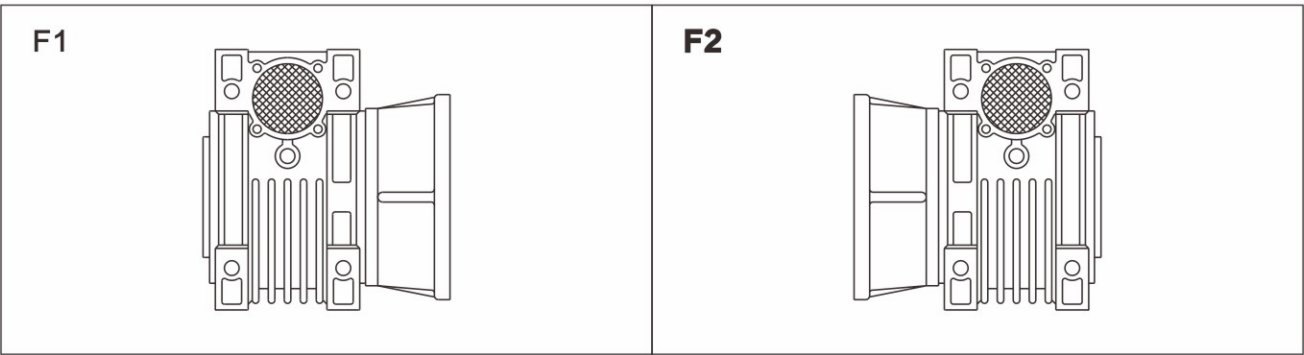
双向输入轴  
Double extension worm shaft



扭力臂配置  
Position of torque arm



法兰位置 Flange F-FL

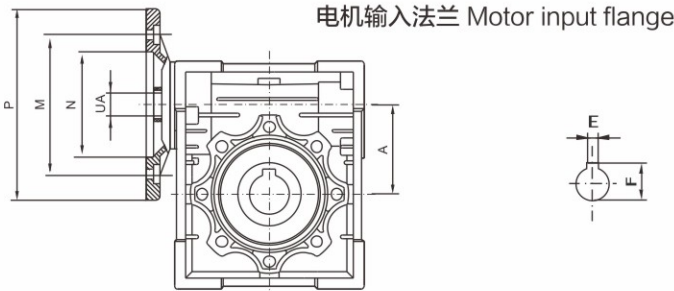




安装尺寸 Mounting dimensions

单级蜗杆减速机

Single step worm gear reducer



| 中心距:<br>Center Distance<br>A | 电机法兰 Motor Flange |     |     |     |    |      | 输入轴孔直径UA The Hole Diameter of Shaft |     |    |    |    |    |    |    |    |    |    |     |
|------------------------------|-------------------|-----|-----|-----|----|------|-------------------------------------|-----|----|----|----|----|----|----|----|----|----|-----|
|                              | PAM<br>IEC        | N   | M   | P   | E  | F    | 传动比 i Transmission Ratio            |     |    |    |    |    |    |    |    |    |    |     |
|                              |                   |     |     |     |    |      | 5                                   | 7.5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 80 | 100 |
| NMRV025                      | 56B14             | 50  | 65  | 80  | 3  | 10.4 | 9                                   | 9   | 9  | 9  | 9  | -  | 9  | 9  | 9  | 9  | -  | -   |
|                              | 63B5              | 95  | 115 | 140 | 4  | 12.8 | 11                                  | 11  | 11 | 11 | 11 | 11 | 11 | 11 | 11 | -  | -  | -   |
| NMRV030                      | 63B14             | 60  | 75  | 90  | 3  | 10.4 | 9                                   | 9   | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | -   |
|                              | 56B5              | 80  | 100 | 120 |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
|                              | 56B14             | 50  | 65  | 80  |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
|                              | 71B5              | 110 | 130 | 160 |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
| NMRV040                      | 71B14             | 70  | 85  | 105 | 5  | 16.3 | 14                                  | 14  | 14 | 14 | 14 | 14 | 14 | 14 | -  | -  | -  | -   |
|                              | 63B5              | 95  | 115 | 140 | 4  | 12.8 | 11                                  | 11  | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11  |
|                              | 63B14             | 60  | 75  | 90  |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
|                              | 56B5              | 80  | 100 | 120 |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
|                              | 56B14             | 50  | 65  | 80  |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
| NMRV050                      | 80B5              | 130 | 165 | 200 | 6  | 21.8 | 19                                  | 19  | 19 | 19 | 19 | 19 | 19 | -  | -  | -  | -  | -   |
|                              | 80B14             | 80  | 100 | 120 |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
|                              | 71B5              | 110 | 130 | 160 | 5  | 16.3 | 14                                  | 14  | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | -   |
|                              | 71B14             | 70  | 85  | 105 |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
|                              | 63B5              | 95  | 115 | 140 |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
| NMRV063                      | 90B5              | 130 | 165 | 200 | 8  | 27.3 | 24                                  | 24  | 24 | 24 | 24 | 24 | 24 | -  | -  | -  | -  | -   |
|                              | 90B14             | 95  | 115 | 140 |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
|                              | 80B5              | 130 | 165 | 200 |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
|                              | 80B14             | 80  | 100 | 120 |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
|                              | 71B5              | 110 | 130 | 160 | 5  | 16.3 | -                                   | -   | -  | -  | -  | -  | 14 | 14 | 14 | 14 | 14 | 14  |
|                              | 71B14             | 70  | 85  | 105 |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
| NMRV075                      | 100/112B5         | 180 | 215 | 250 | 8  | 31.3 | -                                   | 28  | 28 | 28 | -  | -  | -  | -  | -  | -  | -  | -   |
|                              | 100/112B14        | 110 | 130 | 160 |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
|                              | 90B5              | 130 | 165 | 200 |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
|                              | 90B14             | 95  | 115 | 140 | 6  | 21.8 | -                                   | -   | -  | -  | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19  |
|                              | 80B5              | 130 | 165 | 200 |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
|                              | 80B14             | 80  | 100 | 120 |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
| NMRV090                      | 71B5              | 110 | 130 | 160 | 8  | 27.3 | -                                   | 24  | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24  |
|                              | 100/112B5         | 180 | 215 | 250 |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
|                              | 100/112B14        | 110 | 130 | 160 |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
|                              | 90B5              | 130 | 165 | 200 |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
|                              | 90B14             | 95  | 115 | 140 |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
|                              | 80B5              | 130 | 165 | 200 |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
| NMRV110                      | 80B14             | 80  | 100 | 120 | 10 | 41.1 | -                                   | 38  | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38  |
|                              | 132B5             | 230 | 265 | 300 |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
|                              | 132B14            | 130 | 165 | 200 |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
|                              | 100/112B5         | 180 | 215 | 250 |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
|                              | 90B5              | 130 | 165 | 200 |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
|                              | 90B14             | 95  | 115 | 140 |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
| NMRV130                      | 80B5              | 130 | 165 | 200 | 8  | 31.3 | -                                   | -   | -  | -  | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24  |
|                              | 132B5             | 230 | 265 | 300 |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
|                              | 132B14            | 130 | 165 | 200 |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
|                              | 100/112B5         | 180 | 215 | 250 |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
|                              | 90B5              | 130 | 165 | 200 |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
|                              | 90B14             | 95  | 115 | 140 |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
| NMRV150                      | 160B5             | 250 | 300 | 350 | 12 | 45.3 | -                                   | 42  | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42  |
|                              | 132B5             | 230 | 265 | 300 |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
|                              | 132B14            | 130 | 165 | 200 |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |
|                              | 100/112B5         | 180 | 215 | 250 |    |      |                                     |     |    |    |    |    |    |    |    |    |    |     |

选型参数

Parameter selections

单级减速机(法兰输入，输入转速1400r/min)/(配4极电机)

Single step reducer (flange input, input speed is 1400r/min)/(matched with 4 poles motor)

| 机型号<br>Model | 输出转速<br>N <sub>2</sub><br>(r/min) | 输出转矩<br>M <sub>2</sub><br>(N.m) | 传动比<br>i | 输出轴<br>径向力<br>kN | 使用系数<br>f.s. |
|--------------|-----------------------------------|---------------------------------|----------|------------------|--------------|
| 0.06kw       |                                   |                                 |          |                  |              |
| NMRV25       | 186.7                             | 2.6                             | 7.5      | 0.50             | 4.2          |
|              | 140                               | 3.4                             | 10       | 0.55             | 3.5          |
|              | 93.3                              | 4.9                             | 15       | 0.63             | 2.5          |
|              | 70                                | 6.1                             | 20       | 0.69             | 2.0          |
|              | 46.7                              | 8.2                             | 30       | 0.79             | 1.6          |
|              | 35                                | 10                              | 40       | 0.87             | 1.3          |
|              | 28                                | 12                              | 50       | 0.94             | 0.9          |
| NMRV30       | 23.3                              | 14                              | 60       | 1.00             | 0.7          |
|              | 186.7                             | 2.6                             | 7.5      | 0.68             | 6.9          |
|              | 140                               | 3.4                             | 10       | 0.75             | 5.4          |
|              | 93.3                              | 4.7                             | 15       | 0.86             | 3.8          |
|              | 70                                | 6                               | 20       | 0.94             | 3.0          |
|              | 56                                | 7                               | 25       | 1.02             | 3.0          |
|              | 46.7                              | 8                               | 30       | 1.08             | 2.5          |
|              | 35                                | 9.7                             | 40       | 1.19             | 1.9          |
|              | 28                                | 11                              | 50       | 1.28             | 1.5          |
|              | 23.3                              | 13                              | 60       | 1.36             | 1.3          |
| 17.5         | 14                                | 80                              | 1.50     | 0.9              |              |
| 0.09kw       |                                   |                                 |          |                  |              |
| NMRV25       | 186.7                             | 3.9                             | 7.5      | 0.50             | 2.8          |
|              | 140                               | 5.1                             | 10       | 0.55             | 2.4          |
|              | 93.3                              | 7.3                             | 15       | 0.63             | 1.6          |
|              | 70                                | 9.2                             | 20       | 0.69             | 1.3          |
|              | 46.7                              | 12                              | 30       | 0.79             | 1.1          |
|              | 35                                | 15                              | 40       | 0.87             | 0.9          |
| NMRV30       | 186.7                             | 3.9                             | 7.5      | 0.68             | 4.6          |
|              | 140                               | 5                               | 10       | 0.75             | 3.6          |
|              | 93.3                              | 7.1                             | 15       | 0.86             | 2.5          |
|              | 70                                | 9                               | 20       | 0.94             | 2.0          |
|              | 56                                | 10                              | 25       | 1.02             | 2.0          |
|              | 46.7                              | 12                              | 30       | 1.08             | 1.7          |
|              | 35                                | 14                              | 40       | 1.19             | 1.2          |
|              | 28                                | 17                              | 50       | 1.28             | 1.0          |
|              | 23.3                              | 19                              | 60       | 1.36             | 0.9          |
| NMRV40       | 28                                | 19                              | 50       | 2.47             | 2.0          |
|              | 23.3                              | 21                              | 60       | 2.63             | 1.7          |
|              | 17.5                              | 26                              | 80       | 2.89             | 1.3          |
|              | 14                                | 29                              | 100      | 3.11             | 1.0          |
| 0.12kw       |                                   |                                 |          |                  |              |
| NMRV30       | 186.7                             | 5.2                             | 7.5      | 0.68             | 3.4          |
|              | 140                               | 6.7                             | 10       | 0.75             | 2.7          |
|              | 93.3                              | 9.5                             | 15       | 0.86             | 1.9          |
|              | 70                                | 12                              | 20       | 0.94             | 1.5          |
|              | 56                                | 14                              | 25       | 1.02             | 1.5          |
|              | 46.7                              | 16                              | 30       | 1.08             | 1.3          |
|              | 35                                | 19                              | 40       | 1.19             | 0.9          |
| NMRV40       | 28                                | 23                              | 50       | 1.28             | 0.8          |
|              | 46.7                              | 17.2                            | 30       | 2.08             | 2.6          |
|              | 35                                | 21                              | 40       | 2.29             | 1.9          |



RV 系列蜗轮蜗杆减速机

| 机型代号<br>Model | 输出转速<br>N <sub>2</sub><br>(r/min) | 输出转矩<br>M <sub>2</sub><br>(N.m) | 传动比<br>i | 输出轴<br>径向力<br>kN | 使用系数<br>f.s. |
|---------------|-----------------------------------|---------------------------------|----------|------------------|--------------|
| 0.37kw        |                                   |                                 |          |                  |              |
| NMRV40        | 70                                | 39                              | 20       | 1.82             | 1.0          |
|               | 56                                | 47                              | 25       | 1.96             | 0.8          |
| NMRV50        | 46.7                              | 53                              | 30       | 2.08             | 0.8          |
|               | 140                               | 21                              | 10       | 1.98             | 3.3          |
|               | 93.3                              | 31                              | 15       | 2.27             | 2.4          |
|               | 70                                | 40                              | 20       | 2.5              | 1.8          |
|               | 56                                | 48                              | 25       | 2.69             | 1.5          |
|               | 46.7                              | 55                              | 30       | 2.86             | 1.5          |
|               | 35                                | 68                              | 40       | 3.15             | 1.1          |
|               | 28                                | 80                              | 50       | 3.39             | 0.9          |
|               | 23.3                              | 89                              | 60       | 3.61             | 0.8          |
| NMRV63        | 35                                | 70                              | 40       | 4.12             | 2.1          |
|               | 28                                | 83                              | 50       | 4.44             | 1.6          |
|               | 23.3                              | 94                              | 60       | 4.71             | 1.4          |
|               | 17.5                              | 115                             | 80       | 5.19             | 1.1          |
| NMRV50        | 14                                | 129                             | 100      | 5.59             | 0.9          |
|               | 0.55kw                            |                                 |          |                  |              |
|               | 186.7                             | 25                              | 7.5      | 1.8              | 2.9          |
|               | 140                               | 32                              | 10       | 1.98             | 2.2          |
|               | 93.3                              | 46                              | 15       | 2.27             | 1.6          |
|               | 70                                | 59                              | 20       | 2.5              | 1.2          |
| NMRV63        | 56                                | 71                              | 25       | 2.69             | 1.0          |
|               | 46.7                              | 81                              | 30       | 2.86             | 1.0          |
|               | 35                                | 80                              | 40       | 3.15             | 0.9          |
|               | 70                                | 60                              | 20       | 3.27             | 2.2          |
|               | 56                                | 73                              | 25       | 3.52             | 1.8          |
| NMRV75        | 46.7                              | 83                              | 30       | 3.74             | 1.9          |
|               | 35                                | 105                             | 40       | 4.12             | 1.4          |
|               | 28                                | 124                             | 50       | 4.44             | 1.1          |
|               | 23.3                              | 140                             | 60       | 4.71             | 0.9          |
|               | 35                                | 108                             | 40       | 4.86             | 2.0          |
| NMRV90        | 28                                | 129                             | 50       | 5.24             | 1.6          |
|               | 23.3                              | 146                             | 60       | 5.56             | 1.4          |
|               | 17.5                              | 180                             | 80       | 6.13             | 1.1          |
|               | 14                                | 206                             | 100      | 6.60             | 0.9          |
| NMRV50        | 17.5                              | 189                             | 80       | 6.78             | 1.5          |
|               | 14                                | 221                             | 100      | 7.30             | 1.2          |
|               | 0.75kw                            |                                 |          |                  |              |
| NMRV50        | 186.7                             | 34                              | 7.5      | 1.80             | 2.1          |
|               | 140                               | 44                              | 10       | 1.98             | 1.6          |
|               | 93.3                              | 63                              | 15       | 2.27             | 1.2          |
|               | 70                                | 81                              | 20       | 2.50             | 0.9          |
| NMRV63        | 93.3                              | 63                              | 15       | 2.97             | 2.2          |
|               | 70                                | 83                              | 20       | 3.27             | 1.6          |
|               | 56                                | 100                             | 25       | 3.52             | 1.3          |
|               | 46.7                              | 114                             | 30       | 3.74             | 1.4          |
|               | 35                                | 143                             | 40       | 4.12             | 1.0          |
| NMRV75        | 56                                | 102                             | 25       | 4.16             | 2.0          |
|               | 46.7                              | 117                             | 30       | 4.42             | 2.0          |
|               | 35                                | 147                             | 40       | 4.86             | 1.5          |
|               | 28                                | 177                             | 50       | 5.24             | 1.2          |
|               | 23.3                              | 200                             | 60       | 5.56             | 1.0          |
| NMRV90        | 28                                | 184                             | 50       | 5.79             | 1.8          |
|               | 23.3                              | 212                             | 60       | 6.16             | 1.5          |

| 机型代号<br>Model | 输出转速<br>N <sub>2</sub><br>(r/min) | 输出转矩<br>M <sub>2</sub><br>(N.m) | 传动比<br>i | 输出轴<br>径向力<br>kN | 使用系数<br>f.s. |
|---------------|-----------------------------------|---------------------------------|----------|------------------|--------------|
| 0.75kw        |                                   |                                 |          |                  |              |
| NMRV90        | 17.5                              | 258                             | 80       | 6.78             | 1.1          |
|               | 14                                | 302                             | 100      | 7.30             | 0.9          |
| 1.1kw         |                                   |                                 |          |                  |              |
| NMRV63        | 186.7                             | 49                              | 7.5      | 2.35             | 2.6          |
|               | 140                               | 65                              | 10       | 2.59             | 2.0          |
|               | 93.3                              | 93                              | 15       | 2.97             | 1.5          |
|               | 70                                | 122                             | 20       | 3.27             | 1.1          |
|               | 56                                | 146                             | 25       | 3.52             | 0.9          |
|               | 46.7                              | 167                             | 30       | 3.74             | 1.0          |
|               | 35                                | 165                             | 40       | 3.59             | 0.9          |
|               | 93.3                              | 95                              | 15       | 3.50             | 2.1          |
|               | 70                                | 123                             | 20       | 3.86             | 1.7          |
| NMRV75        | 56                                | 150                             | 25       | 4.16             | 1.3          |
|               | 46.7                              | 171                             | 30       | 4.42             | 1.3          |
|               | 35                                | 216                             | 40       | 4.86             | 1.0          |
|               | 28                                | 264                             | 50       | 4.60             | 0.9          |
|               | 23.3                              | 223                             | 60       | 4.89             | 0.8          |
| NMRV90        | 35                                | 225                             | 40       | 5.38             | 1.6          |
|               | 28                                | 270                             | 50       | 5.79             | 1.3          |
|               | 23.3                              | 311                             | 60       | 6.16             | 1.0          |
|               | 17.5                              | 328                             | 80       | 6.17             | 0.9          |
| NMRV110       | 28                                | 281                             | 50       | 7.32             | 2.3          |
|               | 23.3                              | 324                             | 60       | 7.78             | 1.9          |
|               | 17.5                              | 402                             | 80       | 8.57             | 1.3          |
|               | 14                                | 473                             | 100      | 9.23             | 1.0          |
| 1.5kw         |                                   |                                 |          |                  |              |
| NMRV63        | 186.7                             | 67                              | 7.5      | 2.35             | 1.9          |
|               | 140                               | 89                              | 10       | 2.59             | 1.5          |
|               | 93.3                              | 127                             | 15       | 2.97             | 1.1          |
|               | 70                                | 166                             | 20       | 3.27             | 0.8          |
|               | 140                               | 90                              | 10       | 3.06             | 2.2          |
| NMRV75        | 93.3                              | 130                             | 15       | 3.50             | 1.5          |
|               | 70                                | 168                             | 20       | 3.86             | 1.3          |
|               | 56                                | 205                             | 25       | 4.16             | 1.0          |
|               | 46.7                              | 233                             | 30       | 4.42             | 1.0          |
|               | 70                                | 171                             | 20       | 4.27             | 2.1          |
| NMRV90        | 56                                | 210                             | 25       | 4.60             | 1.6          |
|               | 46.7                              | 239                             | 30       | 4.89             | 1.7          |
|               | 35                                | 307                             | 40       | 5.38             | 1.2          |
|               | 28                                | 368                             | 50       | 5.79             | 0.9          |
|               | 23.3                              | 424                             | 60       | 6.16             | 0.8          |
| NMRV110       | 35                                | 319                             | 40       | 6.80             | 2.2          |
|               | 28                                | 384                             | 50       | 7.32             | 1.7          |
|               | 23.3                              | 442                             | 60       | 7.78             | 1.4          |
|               | 17.5                              | 548                             | 80       | 8.57             | 0.9          |
| 2.2kw         |                                   |                                 |          |                  |              |
| NMRV75        | 186.7                             | 100                             | 7.5      | 2.78             | 1.8          |
|               | 140                               | 132                             | 10       | 3.06             | 1.5          |
|               | 93.3                              | 191                             | 15       | 3.50             | 1.0          |
|               | 70                                | 240                             | 20       | 3.38             | 0.9          |
|               | 46.7                              | 269                             | 30       | 3.89             | 0.8          |
| NMRV90        | 186.7                             | 101                             | 7.5      | 3.08             | 2.9          |
|               | 140                               | 134                             | 10       | 3.39             | 2.3          |
|               | 93.3                              | 194                             | 15       | 3.88             | 1.9          |

RV Series Worm Gear Speed Reducer

| 机型代号<br>Model | 输出转速<br>N <sub>2</sub><br>(r/min) | 输出转矩<br>M <sub>2</sub><br>(N.m) | 传动比<br>i | 输出轴<br>径向力<br>kN | 使用系数<br>f.s. |
|---------------|-----------------------------------|---------------------------------|----------|------------------|--------------|
| 2.2kw         |                                   |                                 |          |                  |              |
| NMRV90        | 70                                | 252                             | 20       | 4.27             | 1.4          |
|               | 56                                | 308                             | 25       | 4.60             | 1.1          |
|               | 46.7                              | 351                             | 30       | 4.89             | 1.2          |
|               | 35                                | 433                             | 40       | 4.90             | 1.0          |
| NMRV110       | 28                                | 393                             | 50       | 5.28             | 0.9          |
|               | 70                                | 255                             | 20       | 5.39             | 2.5          |
|               | 56                                | 315                             | 25       | 5.81             | 2.2          |
|               | 46.7                              | 356                             | 30       | 6.18             | 2.0          |
|               | 35                                | 468                             | 40       | 6.8              | 1.5          |
|               | 28                                | 563                             | 50       | 7.32             | 1.2          |
|               | 23.3                              | 648                             | 60       | 7.78             | 1.0          |
| NMRV130       | 35                                | 468                             | 40       | 8.89             | 2.2          |
|               | 28                                | 563                             | 50       | 9.58             | 1.7          |
|               | 23.3                              | 648                             | 60       | 10.18            | 1.4          |
|               | 17.5                              | 816                             | 80       | 11.21            | 1.0          |
|               | 14                                | 869                             | 100      | 10.62            | 0.8          |
| NMRV150       | 28                                | 570                             | 50       | 13.10            | 2.5          |
|               | 23.3                              | 657                             | 60       | 13.92            | 1.9          |
|               | 17.5                              | 816                             | 80       | 15.32            | 1.4          |
|               | 14                                | 960                             | 100      | 16.50            | 1.0          |
| 3kw           |                                   |                                 |          |                  |              |
| NMRV75        | 186.7                             | 136                             | 7.5      | 2.78             | 1.4          |
|               | 140                               | 180                             | 10       | 3.06             | 1.1          |
|               | 93.3                              | 261                             | 15       | 3.50             | 0.8          |
| NMRV90        | 186.7                             | 138                             | 7.5      | 3.08             | 2.1          |
|               | 140                               | 182                             | 10       | 3.39             | 1.7          |
|               | 93.3                              | 264                             | 15       | 3.88             | 1.4          |
|               | 70                                | 344                             | 20       | 4.27             | 1.0          |
|               | 56                                | 420                             | 25       | 4.60             | 0.8          |
| NMRV110       | 46.7                              | 479                             | 30       | 4.89             | 0.9          |
|               | 93.3                              | 264                             | 15       | 4.90             | 2.5          |
|               | 70                                | 348                             | 20       | 5.39             | 1.9          |
|               | 56                                | 430                             | 25       | 5.81             | 1.6          |
|               | 46.7                              | 485                             | 30       | 6.18             | 1.5          |
| NMRV130       | 35                                | 638                             | 40       | 6.80             | 1.1          |
|               | 28                                | 767                             | 50       | 7.32             | 0.9          |
|               | 56                                | 429                             | 25       | 7.60             | 2.2          |
|               | 46.7                              | 491                             | 30       | 8.08             | 2.1          |
|               | 35                                | 638                             | 40       | 8.89             | 1.6          |
| NMRV150       | 28                                | 767                             | 50       | 9.58             | 1.3          |
|               | 23.3                              | 884                             | 60       | 10.18            | 1.0          |
|               | 17.5                              | 1113                            | 80       | 11.21            | 0.8          |
|               | 28                                | 777                             | 50       | 13.10            | 1.8          |
|               | 23.3                              | 896                             | 60       | 13.92            | 1.4          |
| NMRV110       | 17.5                              | 1113                            | 80       | 15.32            | 1.0          |
|               | 14                                | 1310                            | 100      | 16.50            | 0.8          |
| 4kw           |                                   |                                 |          |                  |              |
| NMRV75        | 186.7                             | 182                             | 7.5      | 2.44             | 1.4          |
| NMRV90        | 186.7                             | 184                             | 7.5      | 3.08             | 1.6          |
|               | 140                               | 243                             | 10       | 3.39             | 1.3          |
|               | 93.3                              | 352                             | 15       | 3.88             | 1.0          |
|               | 70                                | 458                             | 20       | 4.27             | 0.8          |
| NMRV110       | 140                               | 242                             | 10       | 4.28             | 2.5          |
|               | 93.3                              | 352                             | 15       | 4.90             | 1.9          |
|               | 70                                | 464                             | 20       | 5.39             | 1.4          |

| 机型代号<br>Model | 输出转速<br>N <sub>2</sub><br>(r/min) | 输出转矩<br>M <sub>2</sub><br>(N.m) | 传动比<br>i | 输出轴<br>径向力<br>kN | 使用系数<br>f.s. |
|---------------|-----------------------------------|---------------------------------|----------|------------------|--------------|
| 4kw           |                                   |                                 |          |                  |              |
| NMRV110       | 56                                | 573                             | 25       | 5.81             | 1.2          |
|               | 46.7                              | 647                             | 30       | 6.18             | 1.1          |
| NMRV130       | 56                                | 573                             | 25       | 7.60             | 1.6          |
|               | 46.7                              | 655                             | 30       | 8.08             | 1.6          |
|               | 35                                | 851                             | 40       | 8.89             | 1.2          |
|               | 28                                | 1023                            | 50       | 9.58             | 1.0          |
|               | 23.3                              | 1179                            | 60       | 10.18            | 0.8          |
| NMRV150       | 28                                | 1036                            | 50       | 13.10            | 1.4          |
|               | 23.3                              | 1195                            | 60       | 13.92            | 1.1          |
|               | 17.5                              | 1484                            | 80       | 15.32            | 0.8          |
| 5.5kw         |                                   |                                 |          |                  |              |
| NMRV110       | 186.7                             | 253                             | 7.5      | 3.89             | 2.2          |
|               | 140                               | 334                             | 10       | 4.28             | 1.8          |
|               | 93.3                              | 484                             | 15       | 4.90             | 1.4          |
|               | 70                                | 638                             | 20       | 5.39             | 0.9          |
|               | 56                                | 711                             | 25       | 5.15             | 1.0          |
| NMRV130       | 140                               | 333                             | 10       | 5.60             | 2.5          |
|               | 93.3                              | 490                             | 15       | 6.41             | 1.9          |
|               | 70                                | 645                             | 20       | 7.06             | 1.4          |
|               | 56                                | 788                             | 25       | 7.60             | 1.2          |
|               | 46.7                              | 900                             | 30       | 8.08             | 1.2          |
| NMRV150       | 35                                | 1171                            | 40       | 8.89             | 0.9          |
|               | 28                                | 1103                            | 50       | 8.51             | 0.8          |
|               | 70                                | 645                             | 20       | 9.65             | 2.0          |
|               | 56                                | 788                             | 25       | 10.40            | 1.5          |
|               | 46.7                              | 934                             | 30       | 11.05            | 1.3          |
|               | 35                                | 1171                            | 40       | 12.16            | 1.3          |
|               | 28                                | 1426                            | 50       | 13.10            | 1.0          |
|               | 23.3                              | 1643                            | 60       | 13.92            | 0.8          |
| 7.5kw         |                                   |                                 |          |                  |              |
| NMRV110       | 186.7                             | 345                             | 7.5      | 3.89             | 1.6          |
|               | 140                               | 455                             | 10       | 4.28             | 1.3          |
|               | 93.3                              | 660                             | 15       | 4.90             | 1.0          |
| NMRV130       | 186.7                             | 349                             | 7.5      | 5.09             | 2.1          |
|               | 140                               | 455                             | 10       | 5.6              | 1.8          |
|               | 93.3                              | 668                             | 15       | 6.41             | 1.4          |
|               | 70                                | 880                             | 20       | 7.06             | 1.0          |
|               | 56                                | 1074                            | 25       | 7.6              | 0.9          |
|               | 46.7                              | 1228                            | 30       | 8.08             | 0.8          |
|               | 35                                | 1596                            | 40       | 8.89             | 0.7          |
| NMRV150       | 70                                | 880                             | 20       | 9.65             | 1.5          |
|               | 56                                | 1074                            | 25       | 10.4             | 1.1          |
|               | 46.7                              | 1274                            | 30       | 11.05            | 0.9          |
|               | 35                                | 1596                            | 40       | 12.16            | 1.0          |
| 11kw          |                                   |                                 |          |                  |              |
| NMRV150       | 186.7                             | 512                             | 7.5      | 6.96             | 2.3          |
|               | 140                               | 675                             | 10       | 7.66             | 1.8          |
|               | 93.3                              | 990                             | 15       | 8.77             | 1.3          |
|               | 70                                | 1291                            | 20       | 9.65             | 1.0          |
|               | 56                                | 1576                            | 25       | 10.4             | 0.8          |
| 15kw          |                                   |                                 |          |                  |              |
| NMRV150       | 186.7                             | 698                             | 7.5      | 6.96             | 1.7          |
|               | 140                               | 921                             | 10       | 7.66             | 1.3          |
|               | 93.3                              | 1351                            | 15       | 8.77             | 0.9          |
|               | 70                                | 1760                            | 20       | 9.65             | 0.7          |



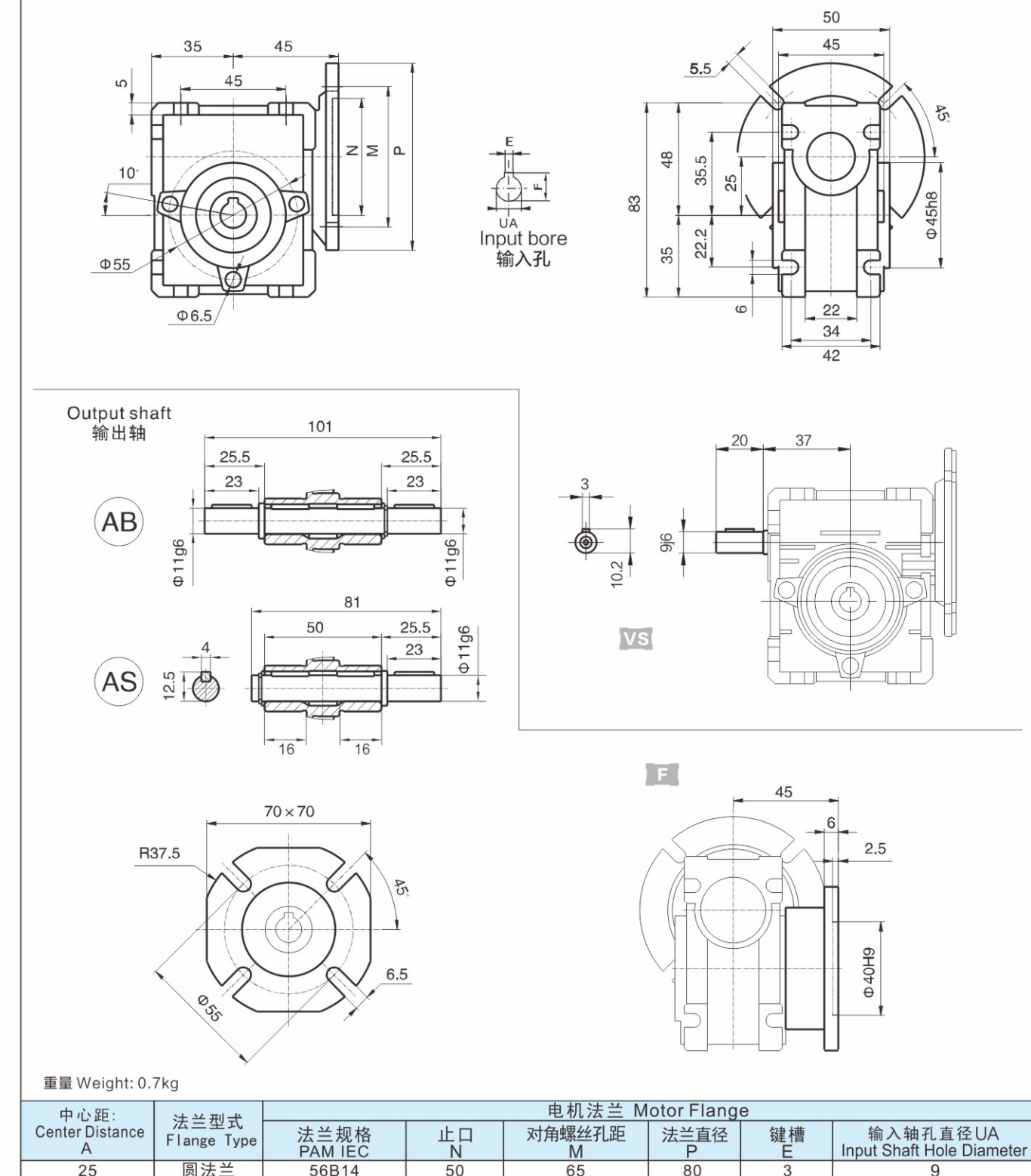
Single step reducer (shaft extend input, input speed is 1400r/min)

| 机型号<br>Model | 输入轴<br>功率<br>kw | 输出转速<br>N <sub>2</sub><br>(r/min) | 输出转矩<br>M <sub>2</sub><br>(N.m) | 传动比<br>i | 输出轴<br>径向力<br>kN | 输出轴<br>切向力<br>kN |
|--------------|-----------------|-----------------------------------|---------------------------------|----------|------------------|------------------|
| NRV30        | 0.4             | 186.7                             | 18                              | 7.5      | 0.68             | 0.15             |
|              | 0.3             | 140                               | 18                              | 10       | 0.75             | 0.16             |
|              | 0.2             | 93.3                              | 18                              | 15       | 0.86             | 0.16             |
|              | 0.2             | 70                                | 18                              | 20       | 0.94             | 0.19             |
|              | 0.2             | 56                                | 21                              | 25       | 1.02             | 0.21             |
|              | 0.2             | 46.7                              | 20                              | 30       | 1.08             | 0.21             |
|              | 0.1             | 35                                | 18                              | 40       | 1.19             | 0.21             |
|              | 0.1             | 28                                | 17                              | 50       | 1.28             | 0.21             |
|              | 0.1             | 23.3                              | 16                              | 60       | 1.36             | 0.21             |
| NRV40        | 0.1             | 17.5                              | 13                              | 80       | 1.50             | 0.21             |
|              | 0.9             | 186.7                             | 40                              | 7.5      | 1.31             | 0.29             |
|              | 0.7             | 140                               | 40                              | 10       | 1.44             | 0.33             |
|              | 0.5             | 93.3                              | 40                              | 15       | 1.65             | 0.33             |
|              | 0.4             | 70                                | 39                              | 20       | 1.82             | 0.35             |
|              | 0.3             | 56                                | 38                              | 25       | 1.96             | 0.35             |
|              | 0.3             | 46.7                              | 45                              | 30       | 2.08             | 0.35             |
|              | 0.2             | 35                                | 41                              | 40       | 2.29             | 0.35             |
|              | 0.2             | 28                                | 39                              | 50       | 2.47             | 0.35             |
|              | 0.2             | 23.3                              | 36                              | 60       | 2.63             | 0.35             |
| NRV50        | 0.1             | 17.5                              | 33                              | 80       | 2.89             | 0.35             |
|              | 0.1             | 14                                | 29                              | 100      | 3.11             | 0.35             |
|              | 1.6             | 186.7                             | 71                              | 7.5      | 1.80             | 0.4              |
|              | 1.2             | 140                               | 72                              | 10       | 1.98             | 0.49             |
|              | 0.9             | 93.3                              | 74                              | 15       | 2.27             | 0.49             |
|              | 0.7             | 70                                | 73                              | 20       | 2.50             | 0.49             |
|              | 0.5             | 56                                | 70                              | 25       | 2.69             | 0.49             |
|              | 0.6             | 46.7                              | 84                              | 30       | 2.86             | 0.49             |
|              | 0.4             | 35                                | 76                              | 40       | 3.15             | 0.49             |
|              | 0.3             | 28                                | 73                              | 50       | 3.39             | 0.49             |
| NRV63        | 0.3             | 23.3                              | 68                              | 60       | 3.61             | 0.49             |
|              | 0.2             | 17.5                              | 65                              | 80       | 3.97             | 0.49             |
|              | 0.2             | 14                                | 55                              | 100      | 4.28             | 0.49             |
|              | 2.8             | 186.7                             | 128                             | 7.5      | 2.35             | 0.5              |
|              | 2.2             | 140                               | 130                             | 10       | 2.59             | 0.57             |
|              | 1.6             | 93.3                              | 140                             | 15       | 2.97             | 0.61             |
|              | 1.2             | 70                                | 135                             | 20       | 3.27             | 0.66             |
|              | 1.0             | 56                                | 130                             | 25       | 3.52             | 0.70             |
|              | 1.1             | 46.7                              | 160                             | 30       | 3.74             | 0.70             |
|              | 0.8             | 35                                | 145                             | 40       | 4.12             | 0.70             |
| NRV75        | 0.6             | 28                                | 135                             | 50       | 4.44             | 0.70             |
|              | 0.5             | 23.3                              | 130                             | 60       | 4.71             | 0.70             |
|              | 0.4             | 17.5                              | 122                             | 80       | 5.19             | 0.70             |
|              | 0.3             | 14                                | 118                             | 100      | 5.59             | 0.70             |
|              | 4.1             | 186.7                             | 185                             | 7.5      | 2.78             | 0.70             |
|              | 3.2             | 140                               | 195                             | 10       | 3.06             | 0.83             |
|              | 2.3             | 93.3                              | 200                             | 15       | 3.50             | 0.85             |
|              | 1.9             | 70                                | 210                             | 20       | 3.86             | 0.98             |
|              | 1.5             | 56                                | 200                             | 25       | 4.16             | 0.98             |
|              | 1.5             | 46.7                              | 230                             | 30       | 4.42             | 0.98             |

| 机型代号<br>Model | 输入轴<br>功率<br>kw | 输出转速<br>N <sub>2</sub><br>(r/min) | 输出转矩<br>M <sub>2</sub><br>(N.m) | 传动比<br>i | 输出轴<br>径向力<br>kN | 输出轴<br>切向力<br>kN |
|---------------|-----------------|-----------------------------------|---------------------------------|----------|------------------|------------------|
| NRV75         | 1.1             | 35                                | 220                             | 40       | 4.86             | 0.98             |
|               | 0.9             | 28                                | 210                             | 50       | 5.24             | 0.98             |
|               | 0.8             | 23.3                              | 200                             | 60       | 5.56             | 0.98             |
|               | 0.6             | 17.5                              | 190                             | 80       | 6.13             | 0.98             |
|               | 0.5             | 14                                | 180                             | 100      | 6.60             | 0.98             |
| NRV90         | 6.3             | 186.7                             | 290                             | 7.5      | 3.08             | 0.90             |
|               | 5.1             | 140                               | 310                             | 10       | 3.39             | 1.08             |
|               | 4.1             | 93.3                              | 360                             | 15       | 3.88             | 1.25             |
|               | 2.4             | 56                                | 340                             | 25       | 4.60             | 1.27             |
|               | 2.6             | 46.7                              | 410                             | 30       | 4.89             | 1.27             |
|               | 1.8             | 35                                | 360                             | 40       | 5.38             | 1.27             |
|               | 1.4             | 28                                | 340                             | 50       | 5.79             | 1.27             |
|               | 1.1             | 23.3                              | 320                             | 60       | 6.16             | 1.27             |
|               | 0.8             | 17.5                              | 285                             | 80       | 6.78             | 1.27             |
| 0.7           | 14              | 270                               | 100                             | 7.30     | 1.27             |                  |
| NRV110        | 12              | 186.7                             | 552                             | 7.5      | 3.89             | 1.20             |
|               | 9.8             | 140                               | 598                             | 10       | 4.28             | 1.46             |
|               | 7.5             | 93.3                              | 656                             | 15       | 4.90             | 1.60             |
|               | 5.6             | 70                                | 644                             | 20       | 5.39             | 1.70             |
|               | 4.7             | 56                                | 679                             | 25       | 5.81             | 1.70             |
|               | 4.5             | 46.7                              | 725                             | 30       | 6.18             | 1.70             |
|               | 3.3             | 35                                | 702                             | 40       | 6.80             | 1.70             |
|               | 2.6             | 28                                | 660                             | 50       | 7.32             | 1.70             |
|               | 2.1             | 23.3                              | 616                             | 60       | 7.78             | 1.70             |
|               | 1.4             | 17.5                              | 515                             | 80       | 8.57             | 1.70             |
| 1.1           | 14              | 483                               | 100                             | 9.23     | 1.70             |                  |
| NRV130        | 16.1            | 186.7                             | 750                             | 7.5      | 5.09             | 1.50             |
|               | 13.5            | 140                               | 820                             | 10       | 5.60             | 1.84             |
|               | 10.3            | 93.3                              | 920                             | 15       | 6.41             | 2.07             |
|               | 7.8             | 70                                | 910                             | 20       | 7.06             | 2.10             |
|               | 6.5             | 56                                | 930                             | 25       | 7.60             | 2.10             |
|               | 6.4             | 46.7                              | 1040                            | 30       | 8.08             | 2.10             |
|               | 4.9             | 35                                | 1050                            | 40       | 8.89             | 2.10             |
|               | 3.8             | 28                                | 980                             | 50       | 9.58             | 2.10             |
|               | 3.1             | 23.3                              | 900                             | 60       | 10.18            | 2.10             |
|               | 2.3             | 17.5                              | 840                             | 80       | 11.21            | 2.10             |
| 1.7           | 14              | 740                               | 100                             | 12.07    | 2.10             |                  |
| NRV150        | 25.8            | 186.7                             | 1200                            | 7.5      | 6.96             | 1.95             |
|               | 20.2            | 140                               | 1240                            | 10       | 7.66             | 2.26             |
|               | 13.9            | 93.3                              | 1250                            | 15       | 8.77             | 2.28             |
|               | 11.1            | 70                                | 1300                            | 20       | 9.65             | 2.67             |
|               | 8.4             | 56                                | 1200                            | 25       | 10.40            | 2.80             |
|               | 7.1             | 46.7                              | 1200                            | 30       | 11.05            | 2.80             |
|               | 7.3             | 35                                | 1550                            | 40       | 12.16            | 2.80             |
|               | 5.4             | 28                                | 1400                            | 50       | 13.10            | 2.80             |
|               | 4.2             | 23.3                              | 1260                            | 60       | 13.92            | 2.80             |
|               | 3.1             | 17.5                              | 1150                            | 80       | 15.32            | 2.80             |
| 2.3           | 14              | 1000                              | 100                             | 16.50    | 2.80             |                  |
|               |                 |                                   |                                 |          |                  |                  |

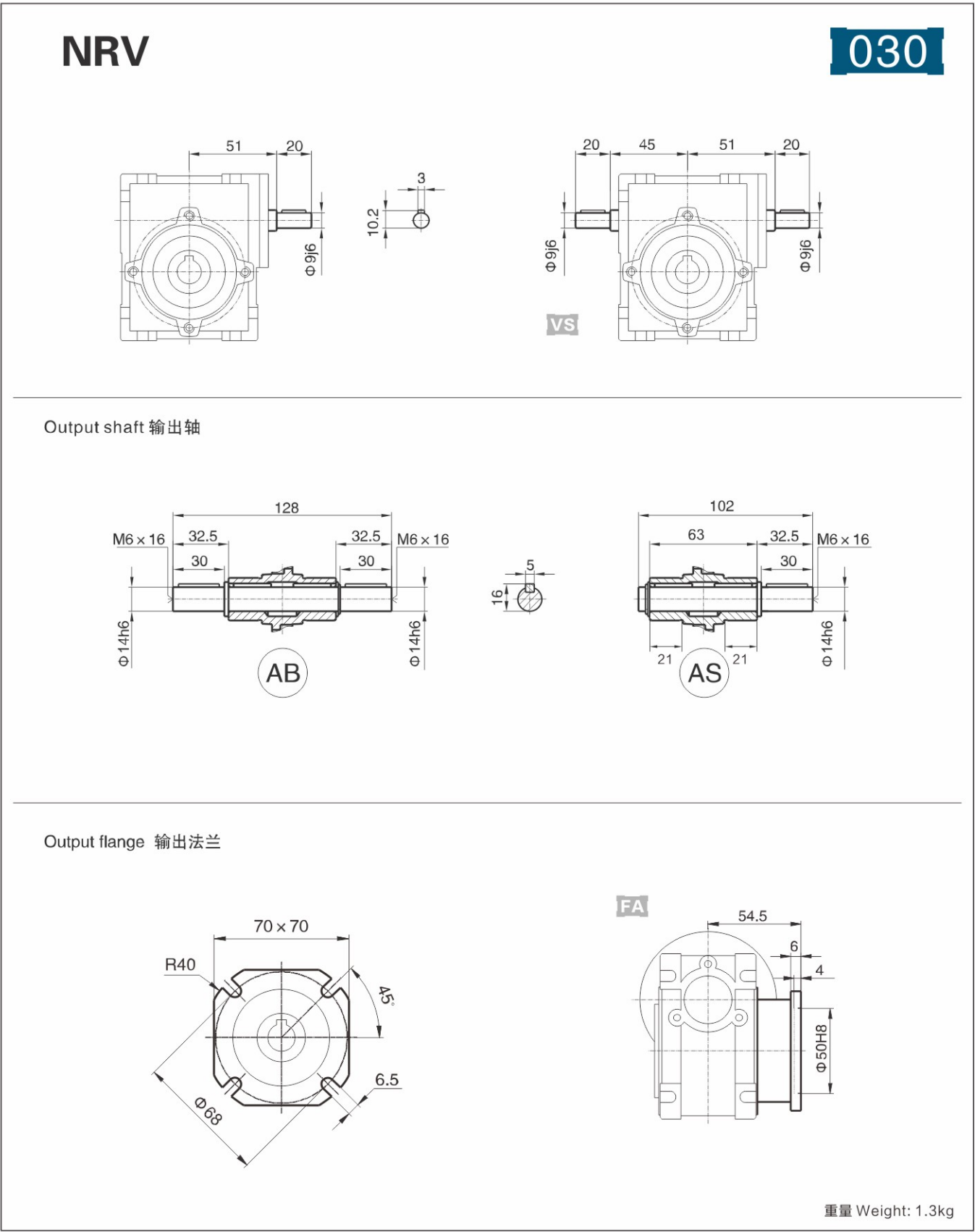
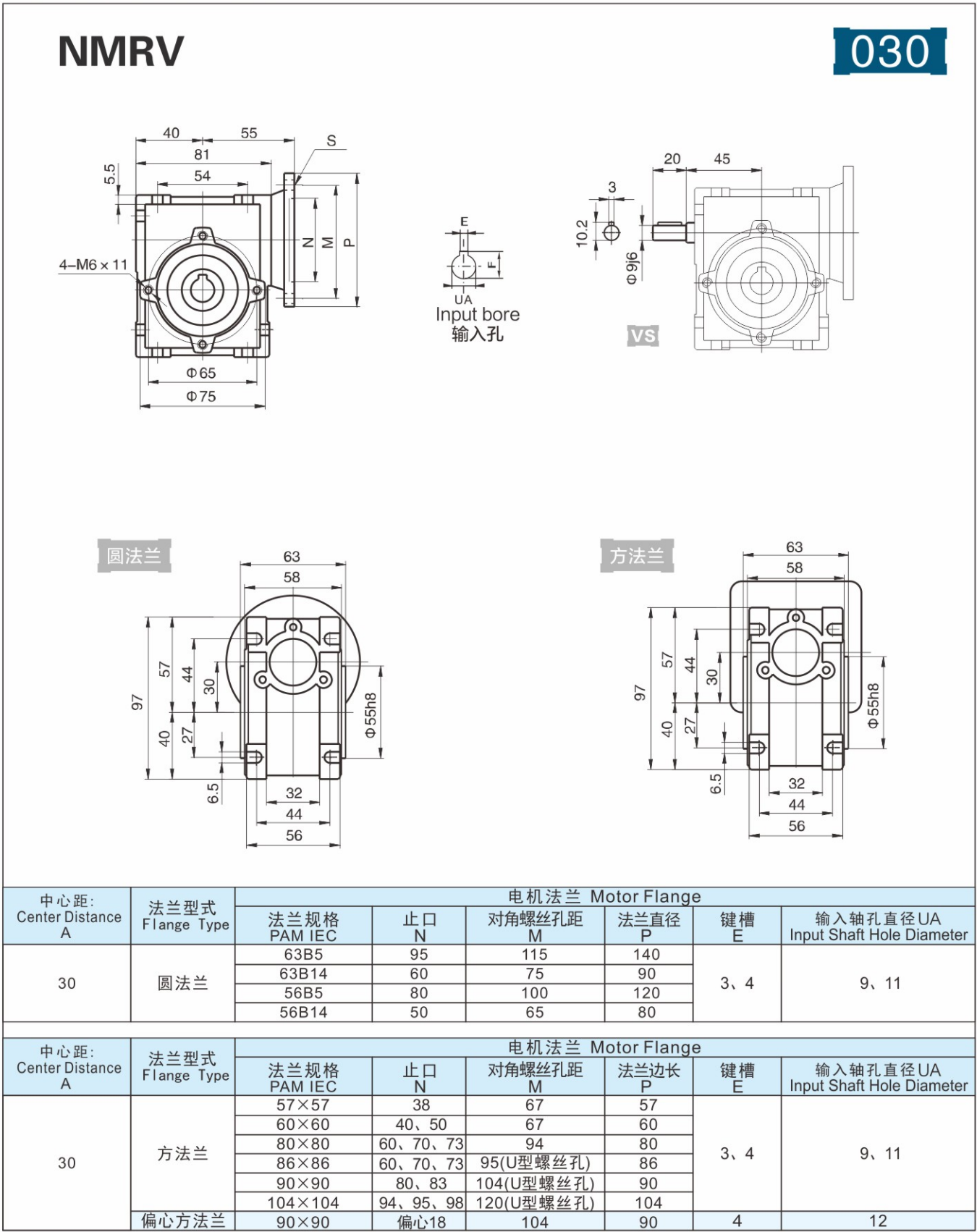
# NMRV

025



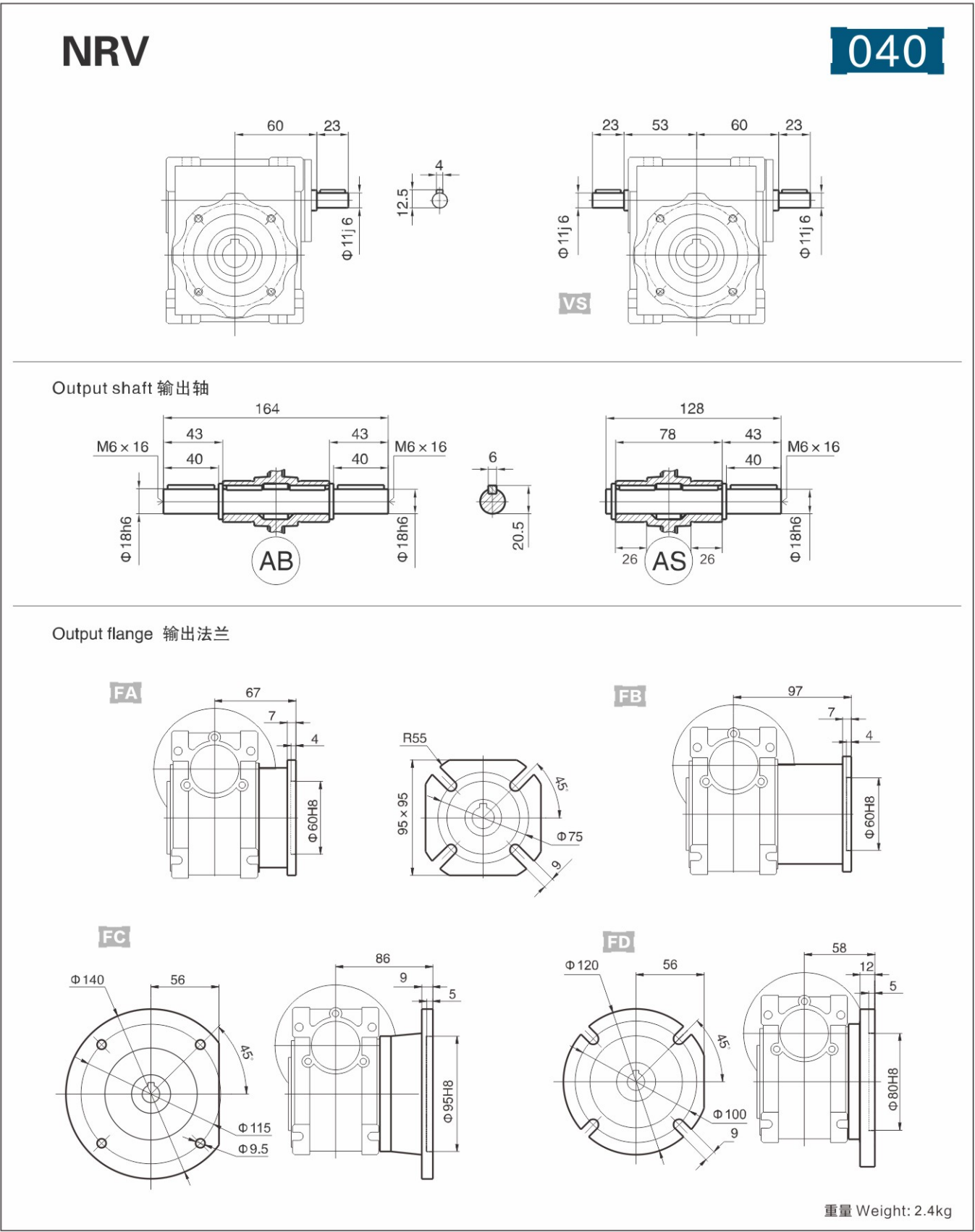
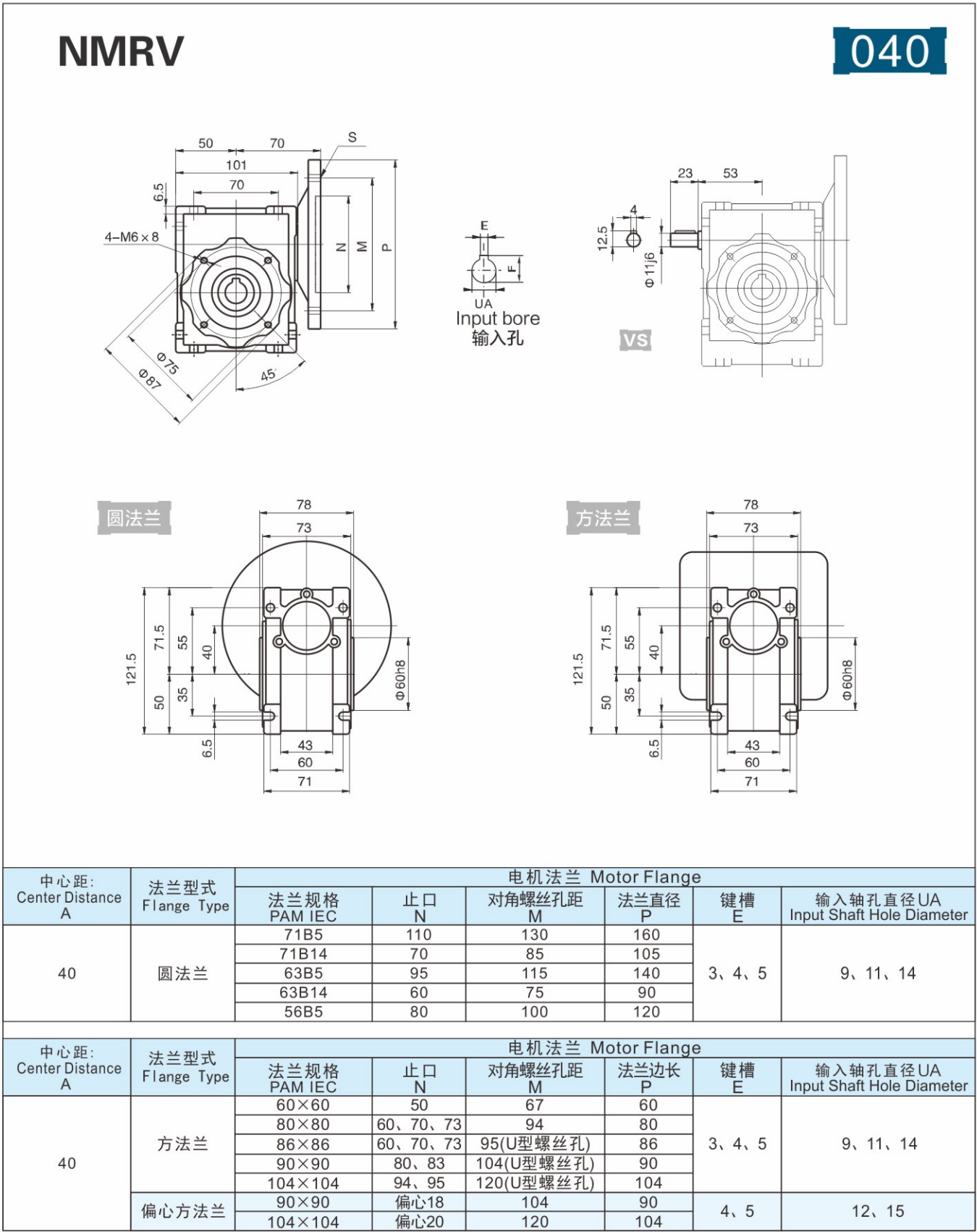


减速机外型尺寸 Dimensions





减速机外型尺寸 Dimensions

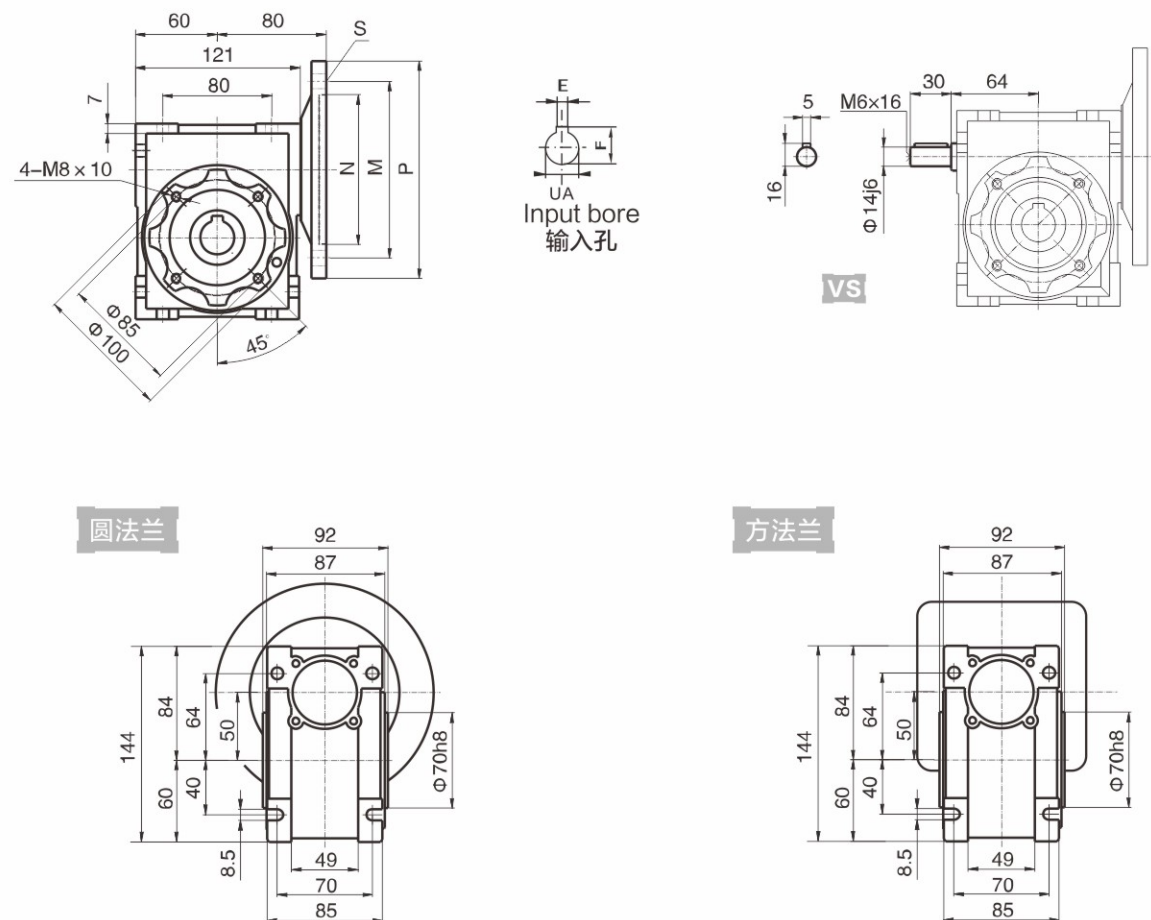




## 减速机外型尺寸 Dimensions

# NMRV

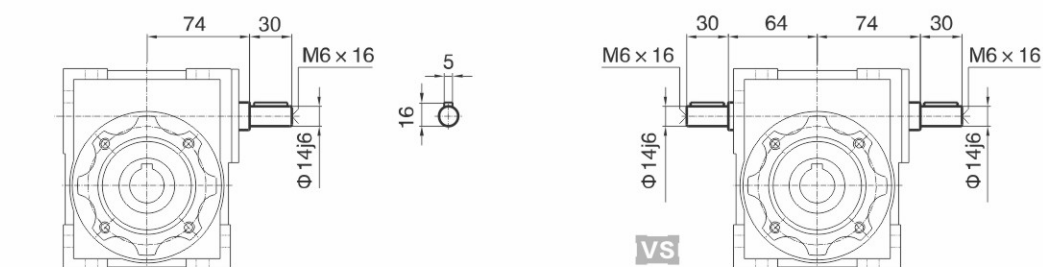
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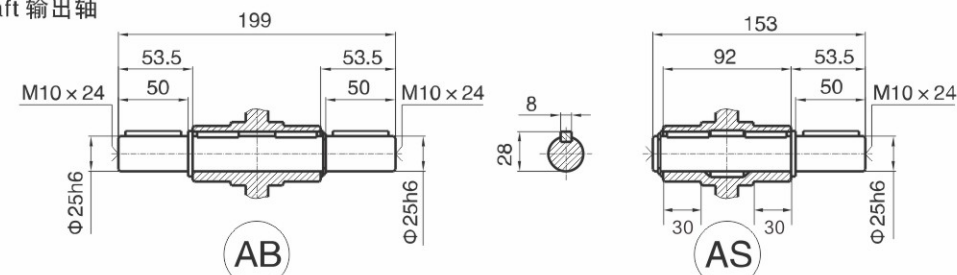
| 中心距:<br>Center Distance<br>A | 法兰型式<br>Flange Type | 电机法兰 Motor Flange |            |             |           |         |                                        |
|------------------------------|---------------------|-------------------|------------|-------------|-----------|---------|----------------------------------------|
|                              |                     | 法兰规格<br>PAM IEC   | 止口<br>N    | 对角螺丝孔距<br>M | 法兰直径<br>P | 键槽<br>E | 输入轴孔直径 UA<br>Input Shaft Hole Diameter |
| 50                           | 圆法兰                 | 80B5              | 130        | 165         | 200       | 4、5、6   | 11、14、19                               |
|                              |                     | 80B14             | 80         | 100         | 120       |         |                                        |
|                              |                     | 71B5              | 110        | 130         | 160       |         |                                        |
|                              |                     | 71B14             | 70         | 85          | 105       |         |                                        |
|                              |                     | 63B5              | 95         | 115         | 140       |         |                                        |
|                              |                     |                   |            |             |           |         |                                        |
| 中心距:<br>Center Distance<br>A | 法兰型式<br>Flange Type | 电机法兰 Motor Flange |            |             |           |         |                                        |
|                              |                     | 法兰规格<br>PAM IEC   | 止口<br>N    | 对角螺丝孔距<br>M | 法兰边长<br>P | 键槽<br>E | 输入轴孔直径 UA<br>Input Shaft Hole Diameter |
| 50                           | 方法兰                 | 80×80             | 60、70、73   | 94          | 80        | 4、5、6   | 11、14、19                               |
|                              |                     | 86×86             | 60、70、73   | 95(U型螺丝孔)   | 86        |         |                                        |
|                              |                     | 90×90             | 80、83      | 104(U型螺丝孔)  | 90        |         |                                        |
|                              |                     | 104×104           | 94、95、98   | 120(U型螺丝孔)  | 104       |         |                                        |
|                              |                     | 110×110           | 85、95      | 130(U型螺丝孔)  | 110       |         |                                        |
|                              |                     | 130×130           | 85、100、110 | 145(U型螺丝孔)  | 130       |         |                                        |
|                              | 偏心方法兰               | 90×90             | 偏心18       | 104         | 90        | 4、5     | 14、15                                  |
|                              |                     | 104×104           | 偏心20       | 120         | 104       |         |                                        |

**NRV**

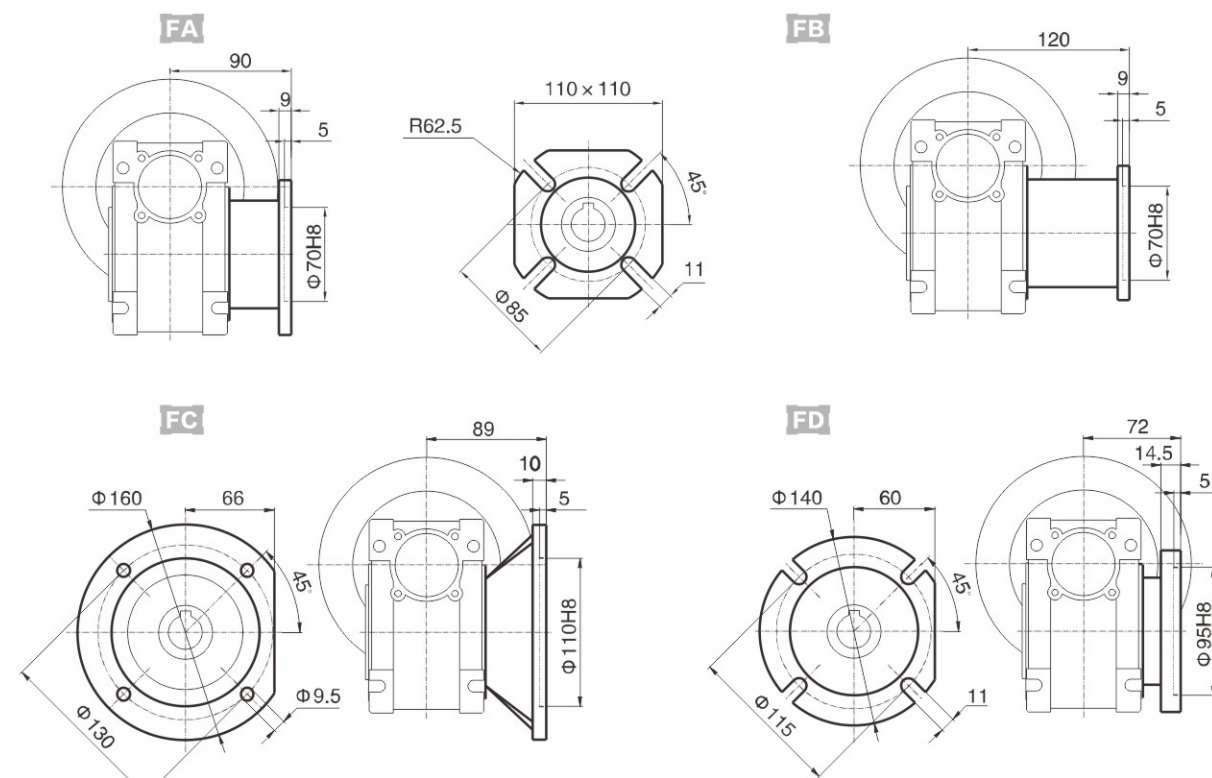
050



## Output shaft 输出轴



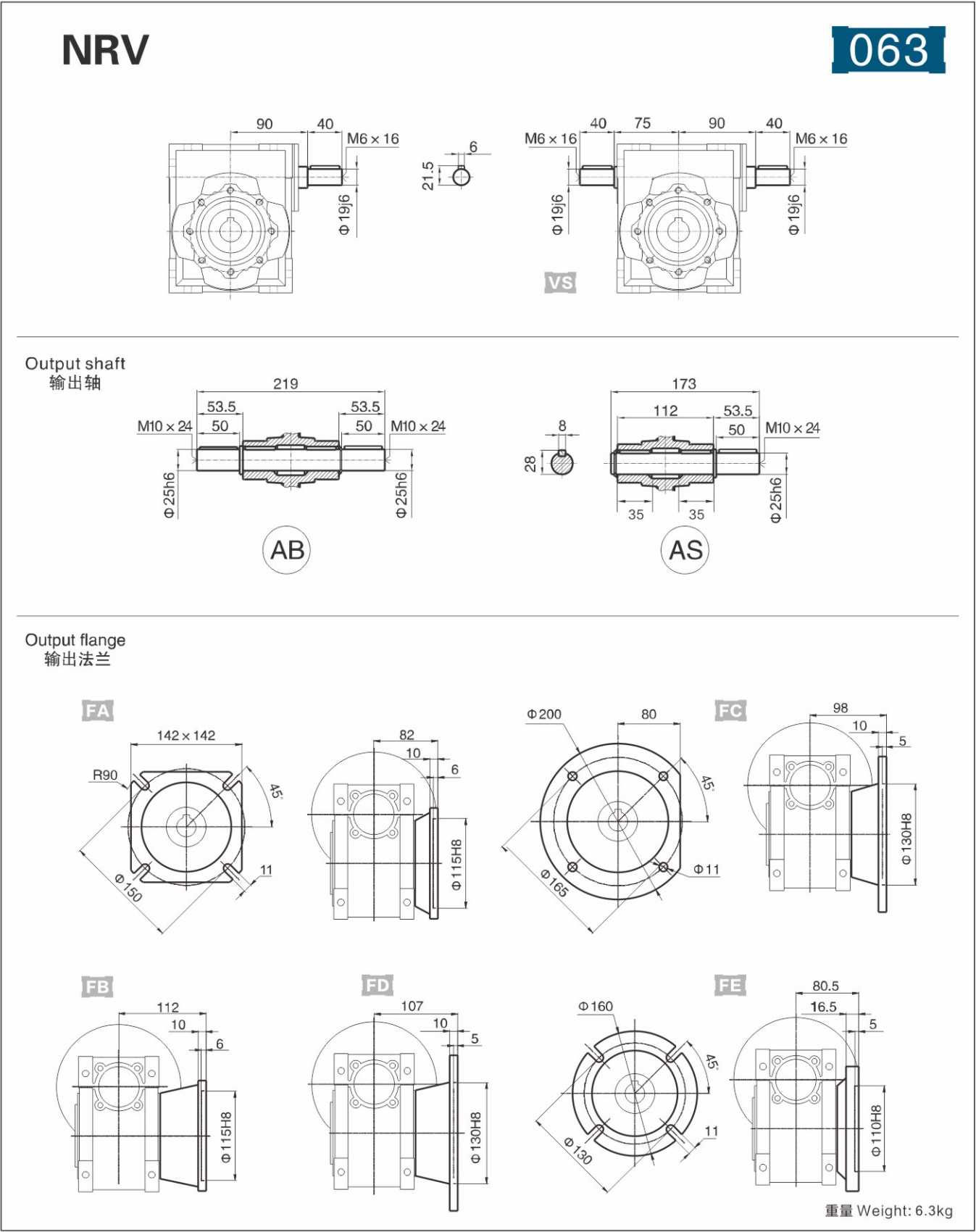
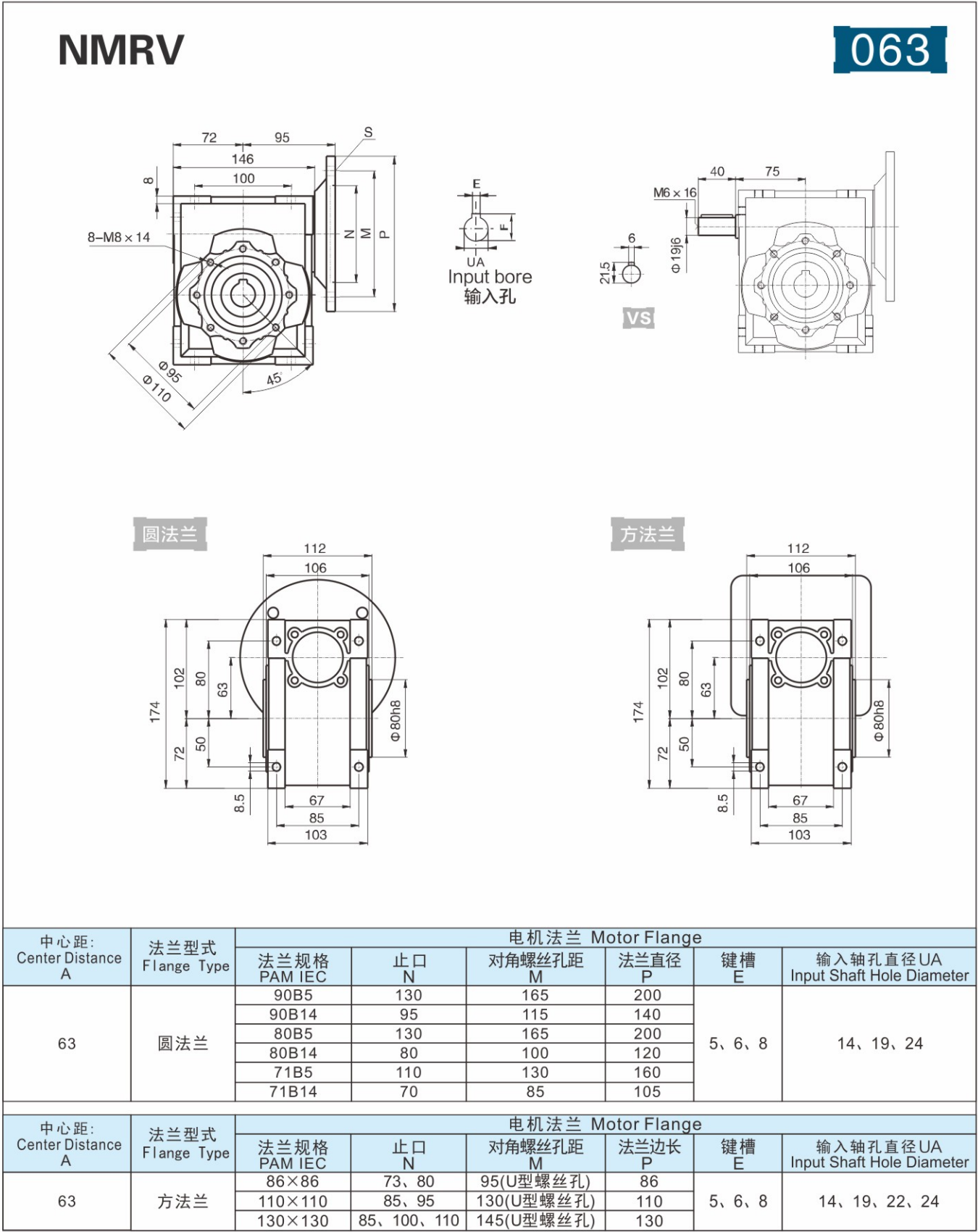
Output flange 输出法兰



重量 Weight: 3.6kg

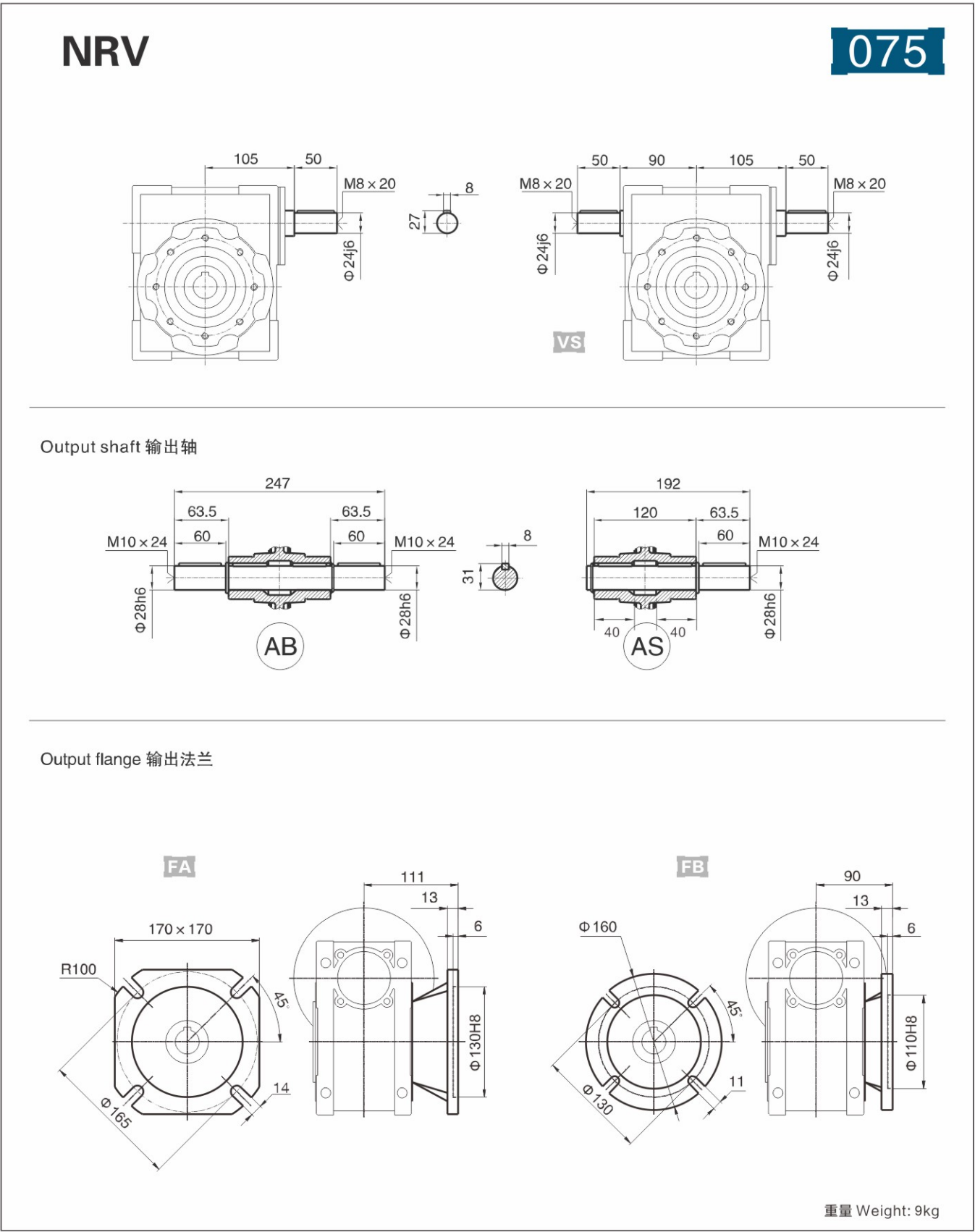
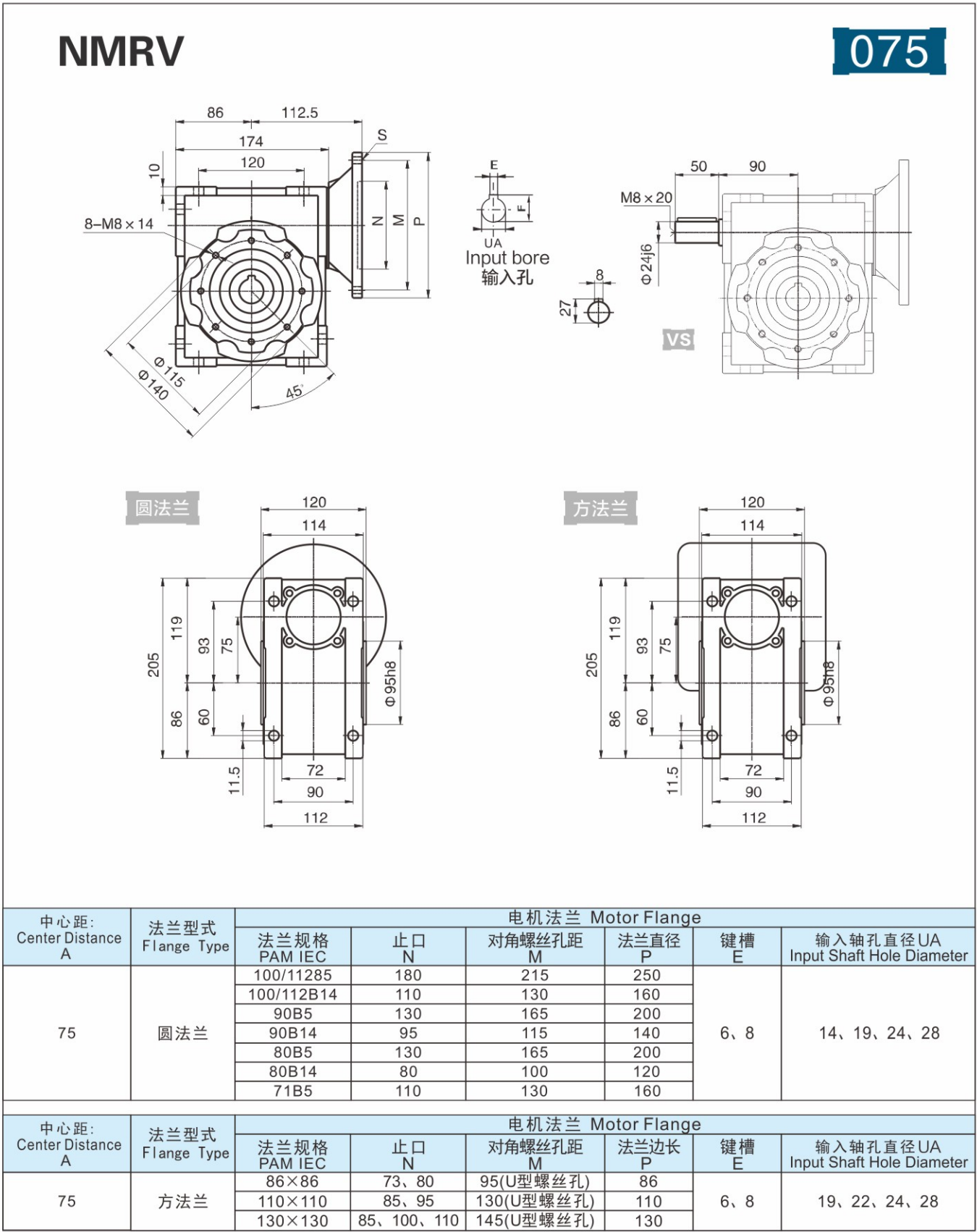


减速机外型尺寸 Dimensions



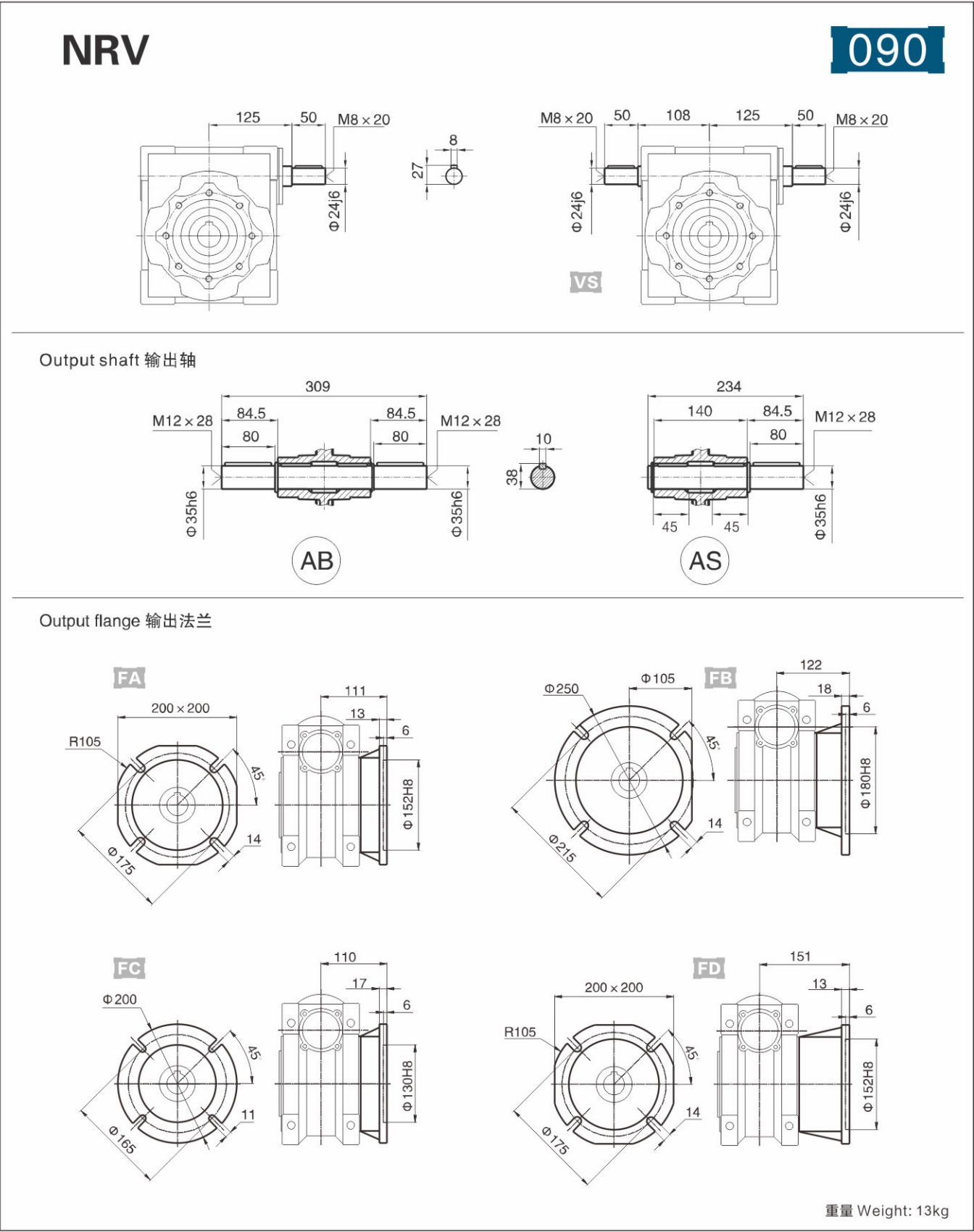
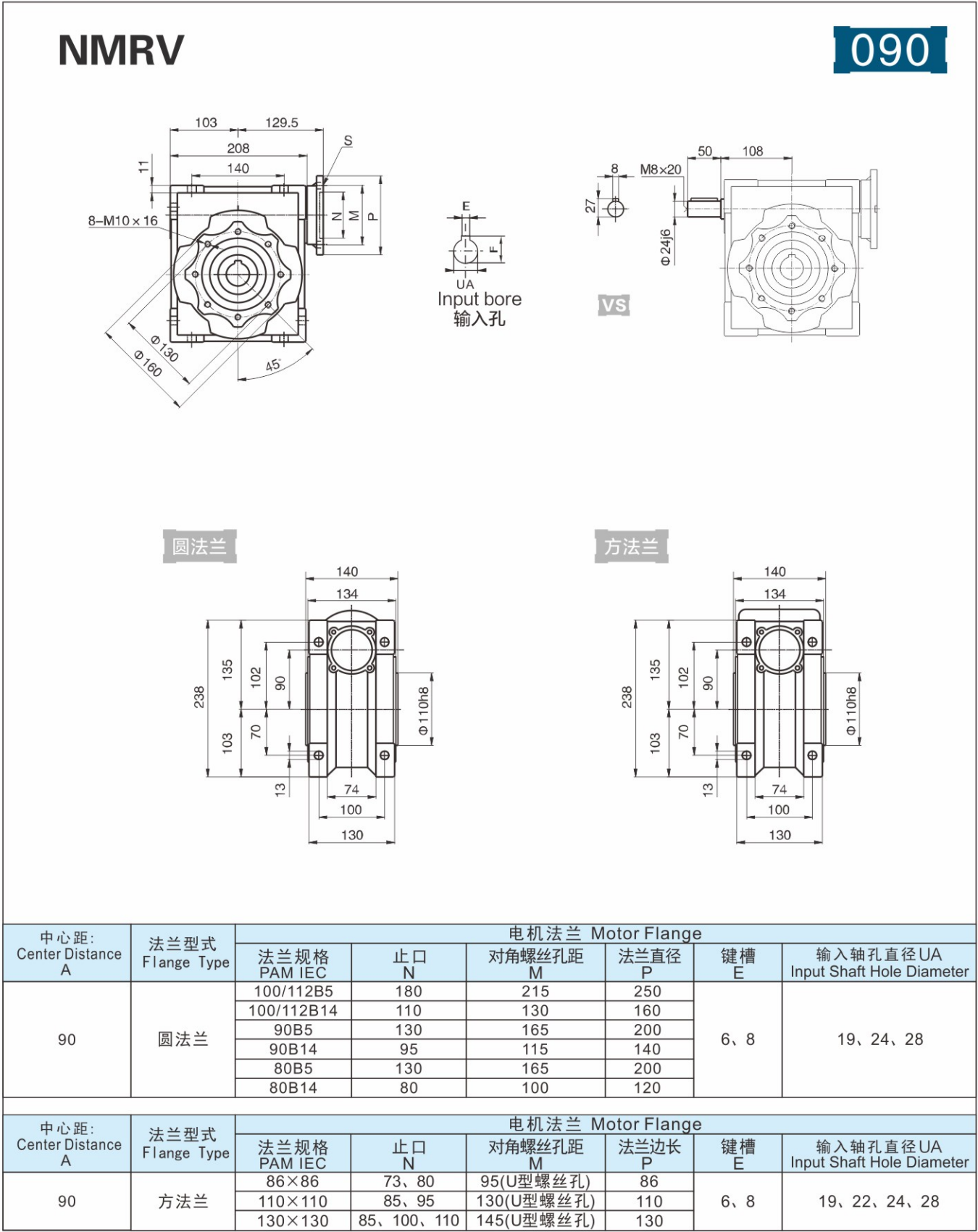


减速机外型尺寸 Dimensions





减速机外型尺寸 Dimensions

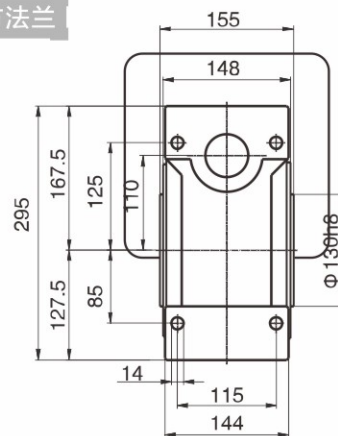
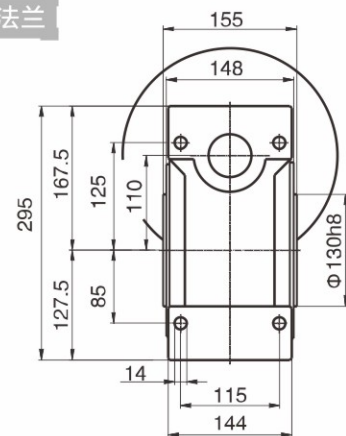
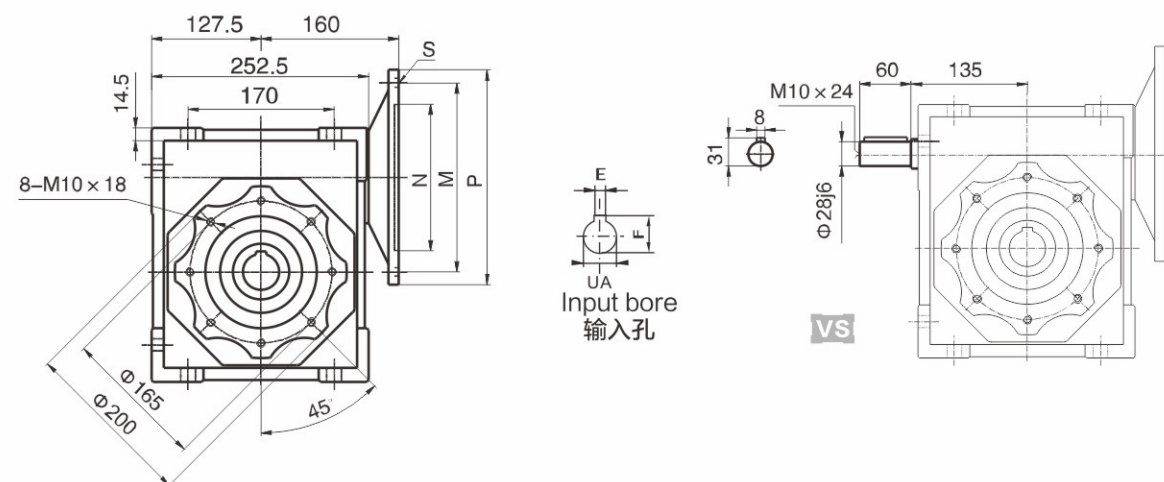




## 减速机外型尺寸 Dimensions

# NMRV

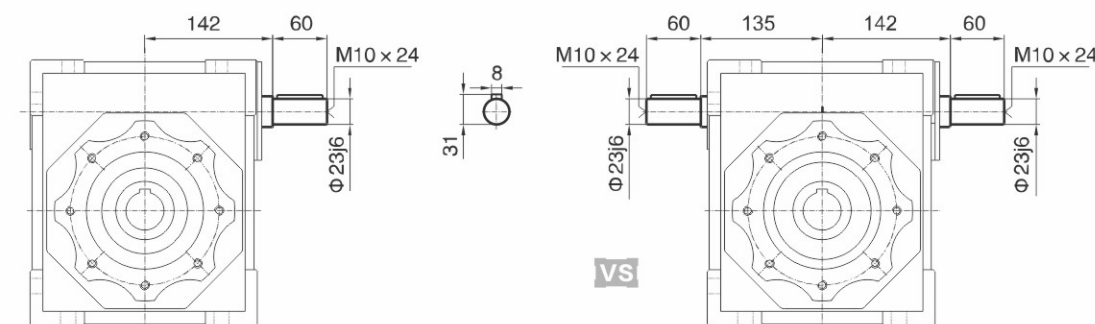
110



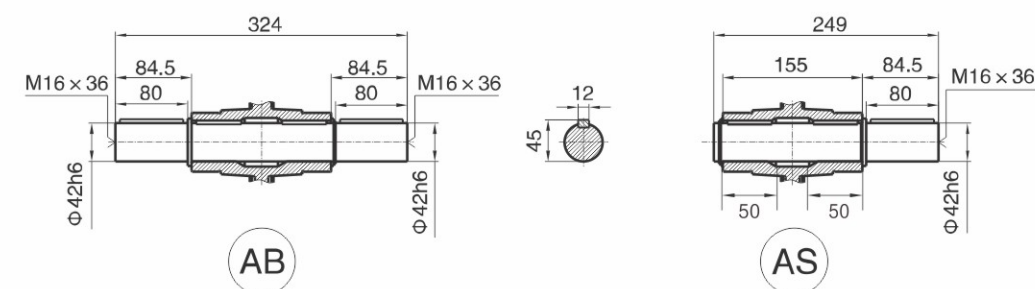
| 中心距:<br>Center Distance<br>A | 法兰型式<br>Flange Type | 电机法兰 Motor Flange |            |             |           |         |                                       |
|------------------------------|---------------------|-------------------|------------|-------------|-----------|---------|---------------------------------------|
|                              |                     | 法兰规格<br>PAM IEC   | 止口<br>N    | 对角螺丝孔距<br>M | 法兰直径<br>P | 键槽<br>E | 输入轴孔直径UA<br>Input Shaft Hole Diameter |
| 110                          | 圆法兰                 | 132B5             | 230        | 265         | 300       | 6、8、10  | 19、24、28、38                           |
|                              |                     | 132B14            | 130        | 165         | 200       |         |                                       |
|                              |                     | 100/112B5         | 180        | 215         | 250       |         |                                       |
|                              |                     | 90B5              | 130        | 165         | 200       |         |                                       |
|                              |                     | 90B14             | 95         | 115         | 140       |         |                                       |
|                              |                     | 80B5              | 130        | 165         | 200       |         |                                       |
| 中心距:<br>Center Distance<br>A | 法兰型式<br>Flange Type | 电机法兰 Motor Flange |            |             |           |         |                                       |
|                              |                     | 法兰规格<br>PAM IEC   | 止口<br>N    | 对角螺丝孔距<br>M | 法兰边长<br>P | 键槽<br>E | 输入轴孔直径UA<br>Input Shaft Hole Diameter |
| 110                          | 方法兰                 | 130×130           | 85、100、110 | 145(U型螺丝孔)  | 130       | 8、10    | 22、24、28、35、38                        |
|                              |                     | 180×180           | 114.3      | 200         | 180       |         |                                       |

**NRV**

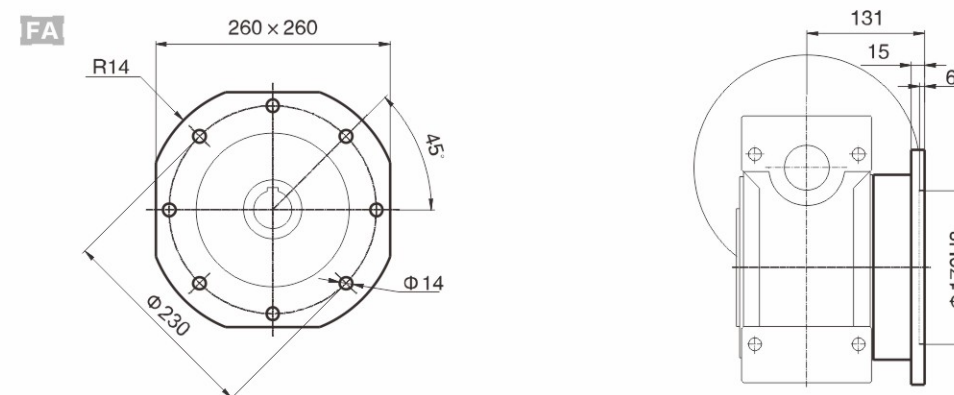
110



Output shaft 输出轴



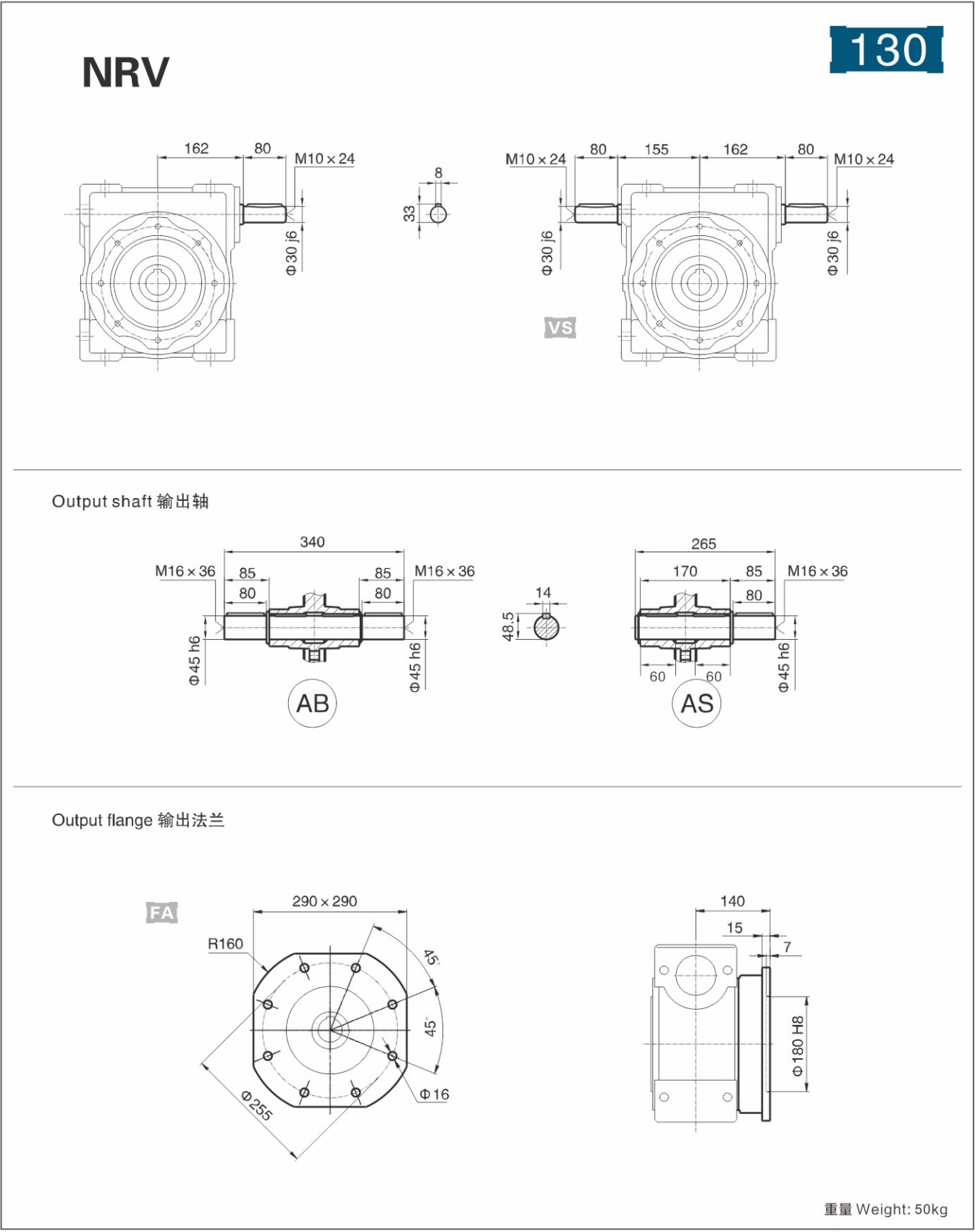
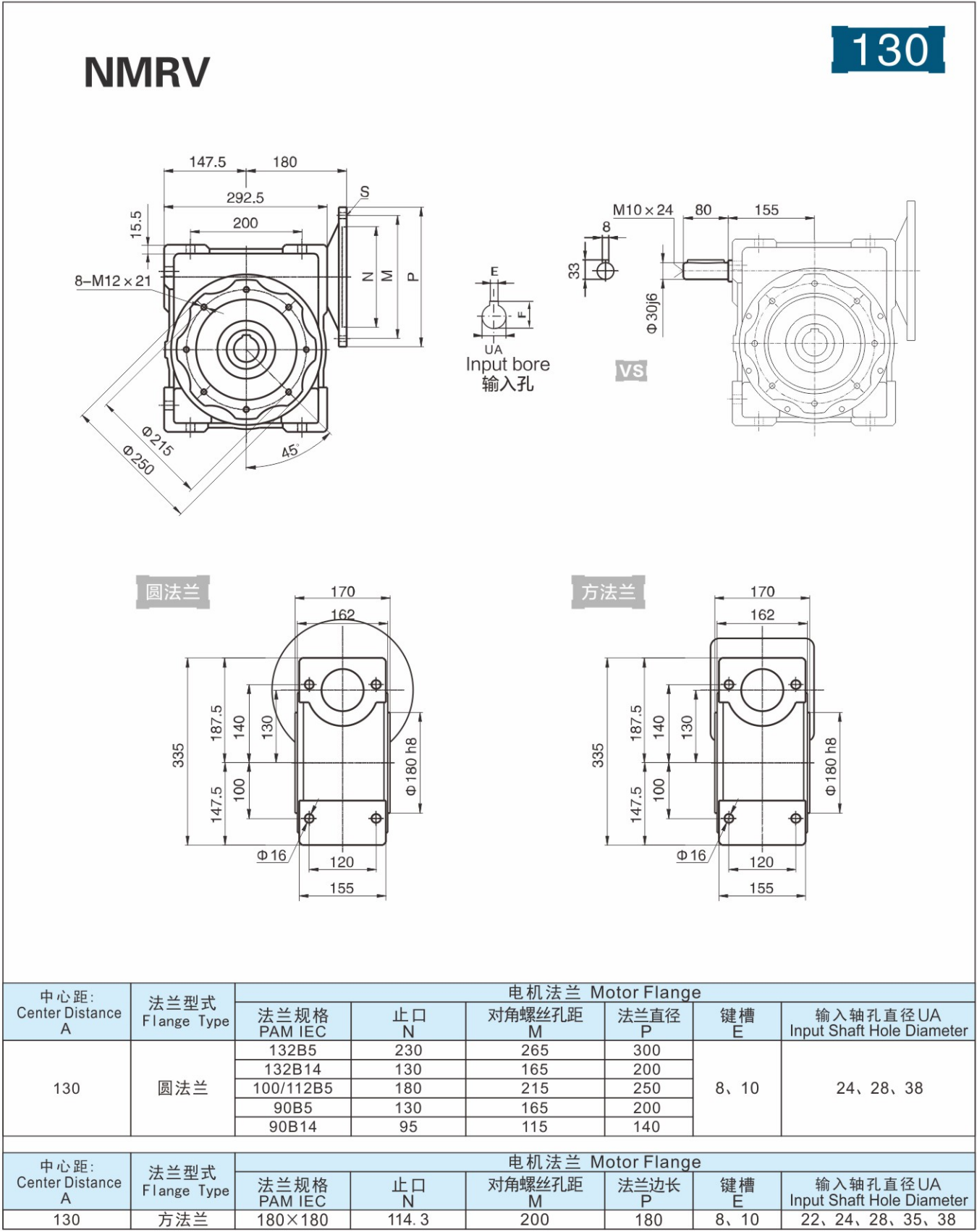
Output flange 输出法兰



重量 Weight: 40kg

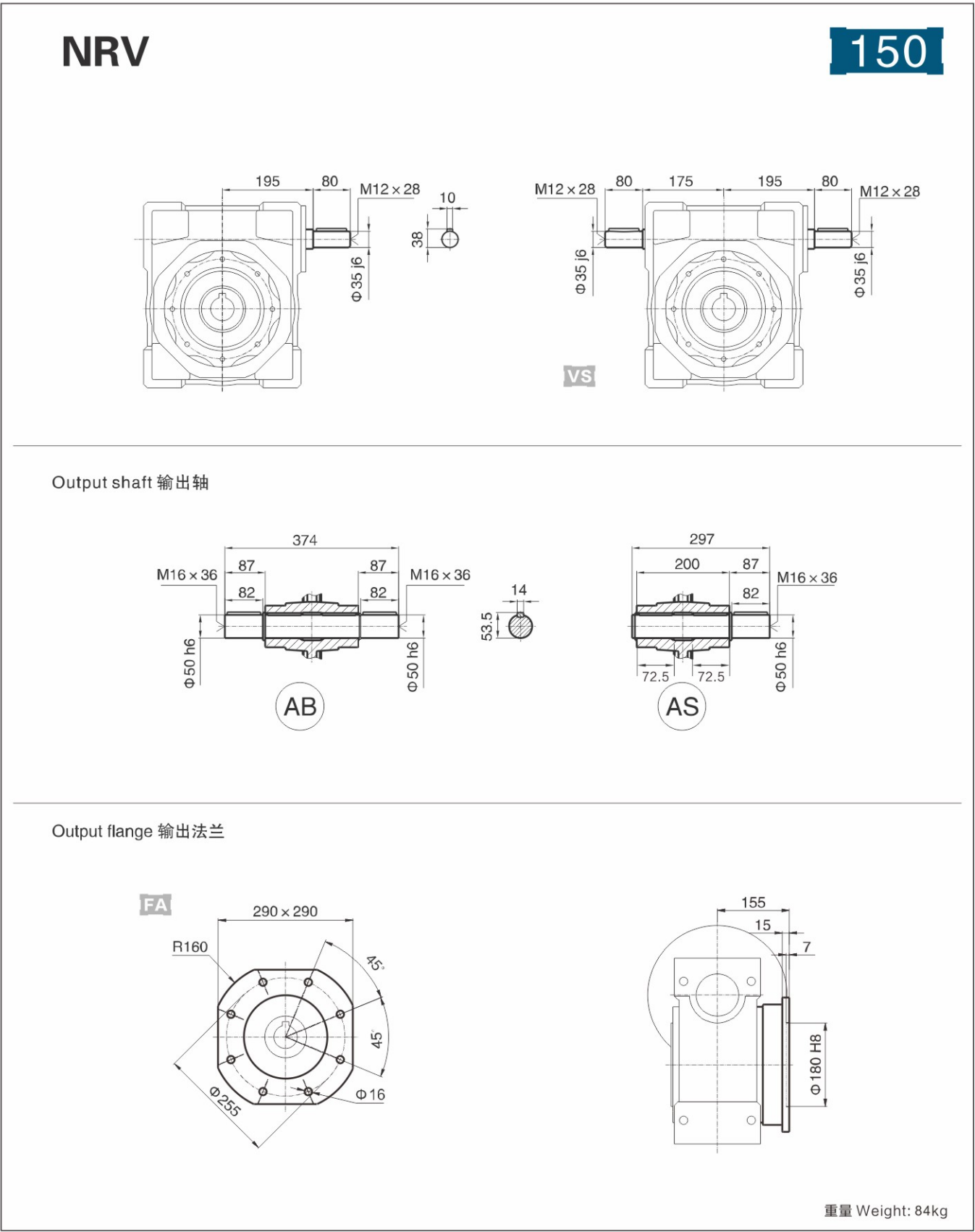
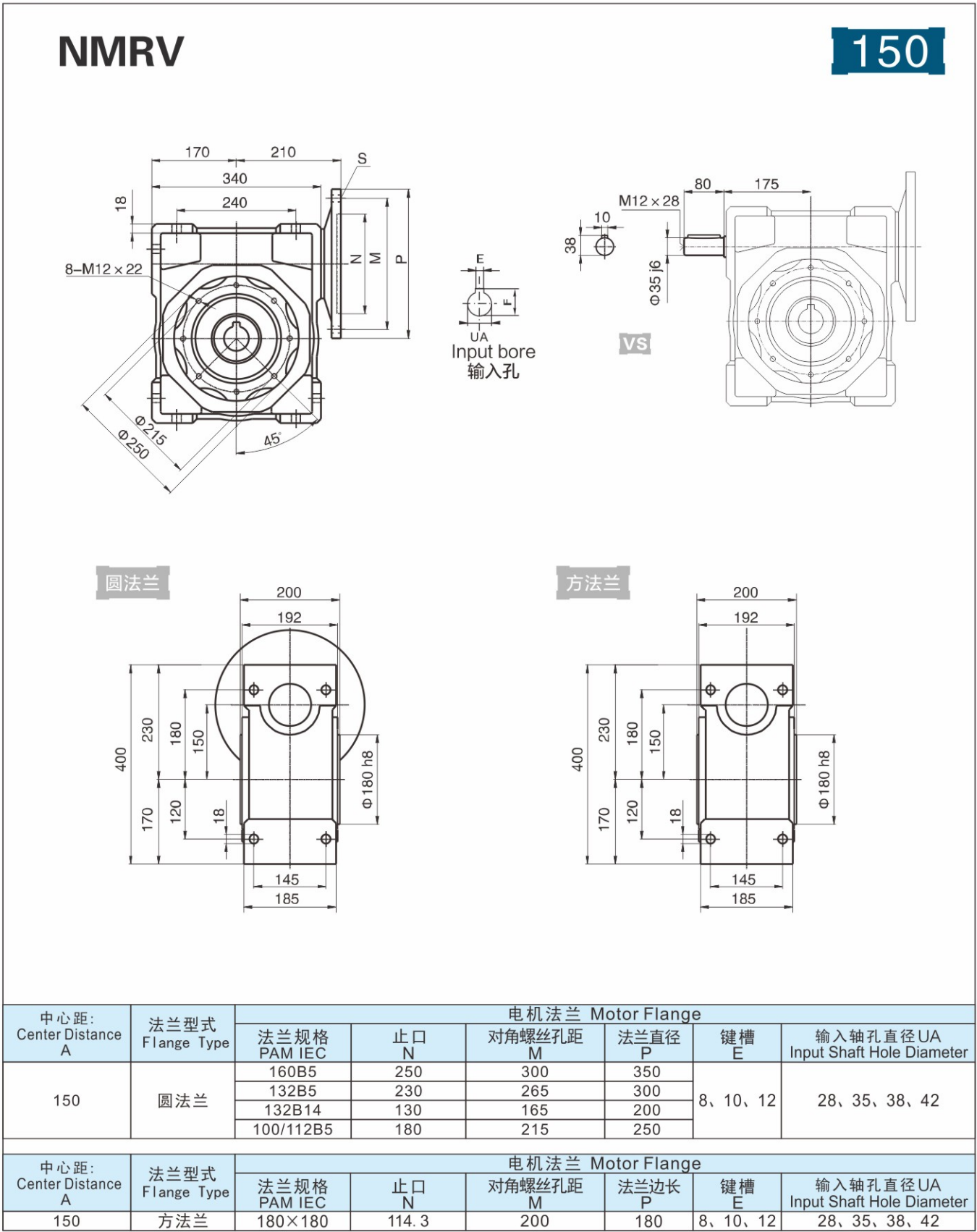


减速机外型尺寸 Dimensions



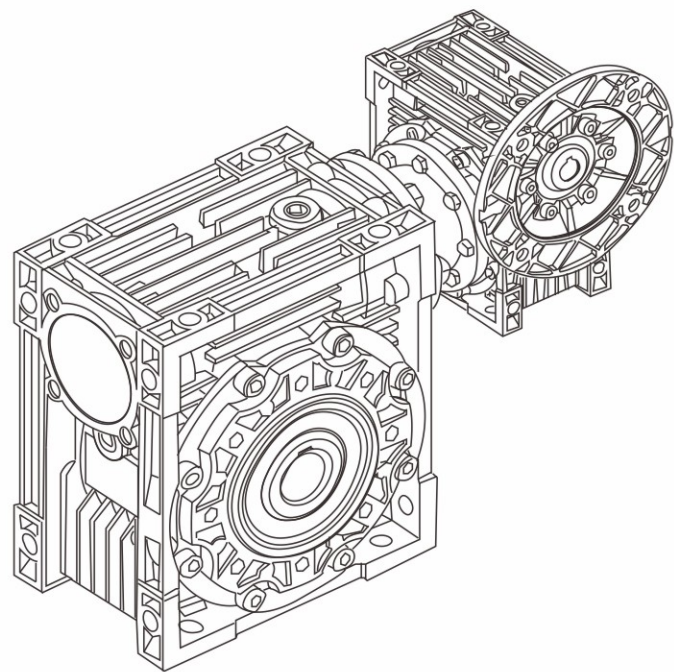


减速机外型尺寸 Dimensions





NMRV-NMRV

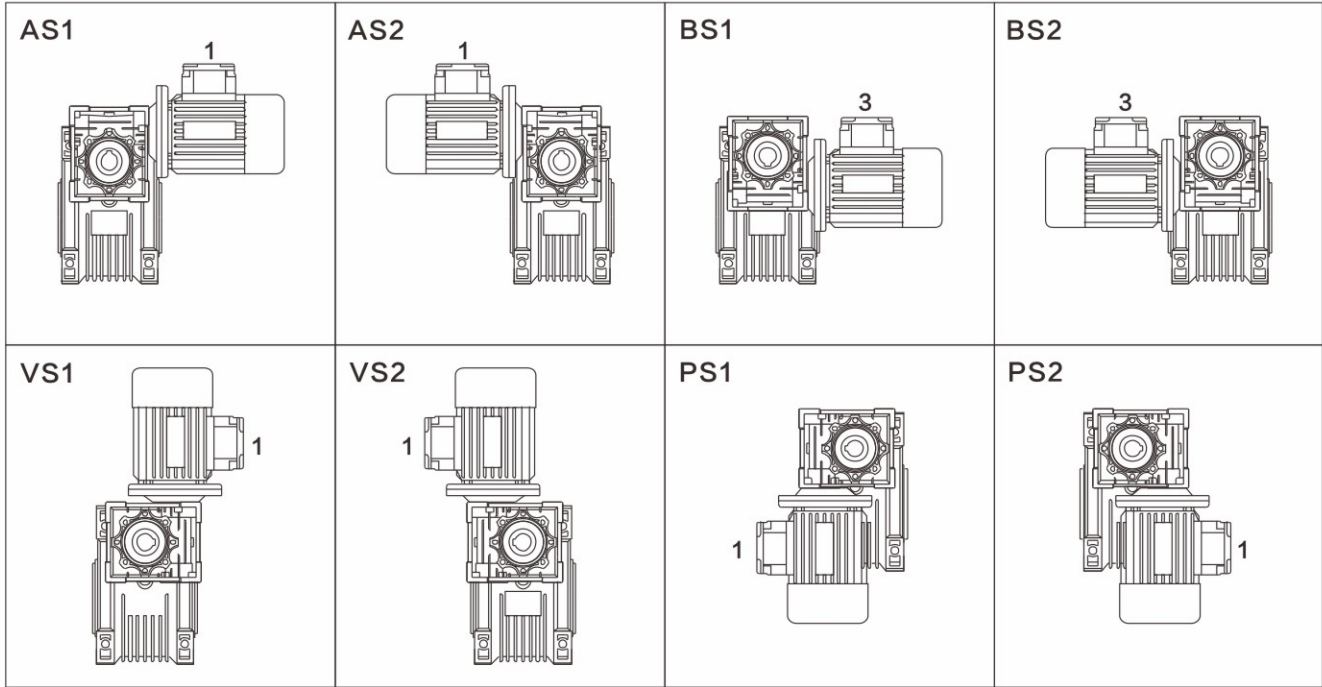


NMRV-NMRV

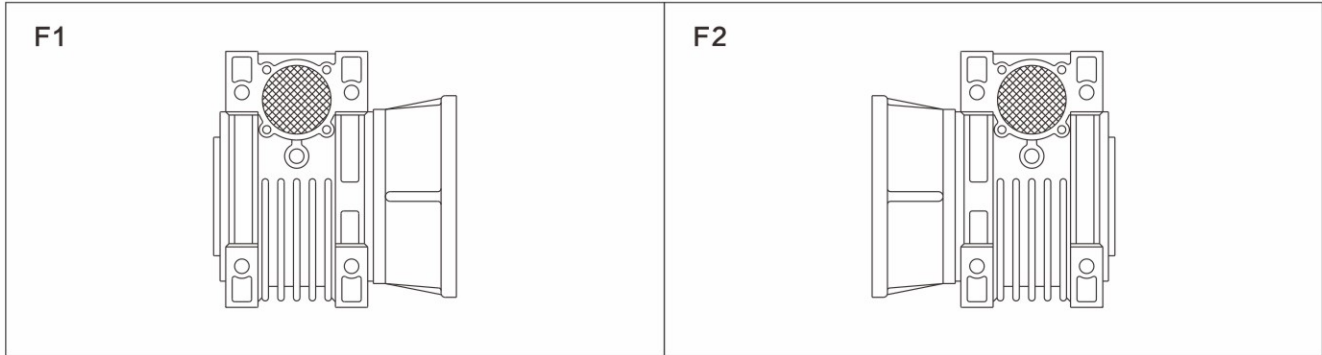
型号说明 Model notes

| NMRV-063/130-600-VS-F1 (FA)-AS-80B5-0.75kW-AS1 |                                                                |         |                                         |
|------------------------------------------------|----------------------------------------------------------------|---------|-----------------------------------------|
| NMRV-NMRV                                      | 双蜗轮减速机<br>Combined worm geared motor                           |         |                                         |
| NRV-NMRV                                       | 蜗轮减速机(配接输入轴)<br>Worm gear speed reducer (Mounting input shaft) |         |                                         |
| 063/130                                        | 蜗轮减速机中心距<br>Center distance                                    |         |                                         |
| 600                                            | 减速比<br>Reduction ratio                                         |         |                                         |
| VS                                             | 双向输入轴<br>Double input shaft                                    | F1 (FA) | 输出法兰位置及型号<br>Output flange              |
| AS                                             | 单向输出轴<br>Single output shaft                                   | AB      | 双向输出轴<br>Double output shaft            |
| PAM                                            | 电机联接<br>Fitted for motor coupling                              | 80B5    | 电机机座号和安装结构形式<br>Motor mounting facility |
| 0.75kW                                         | 电机功率<br>Electric motor power                                   | As1     | 安装方位<br>Mounting position               |

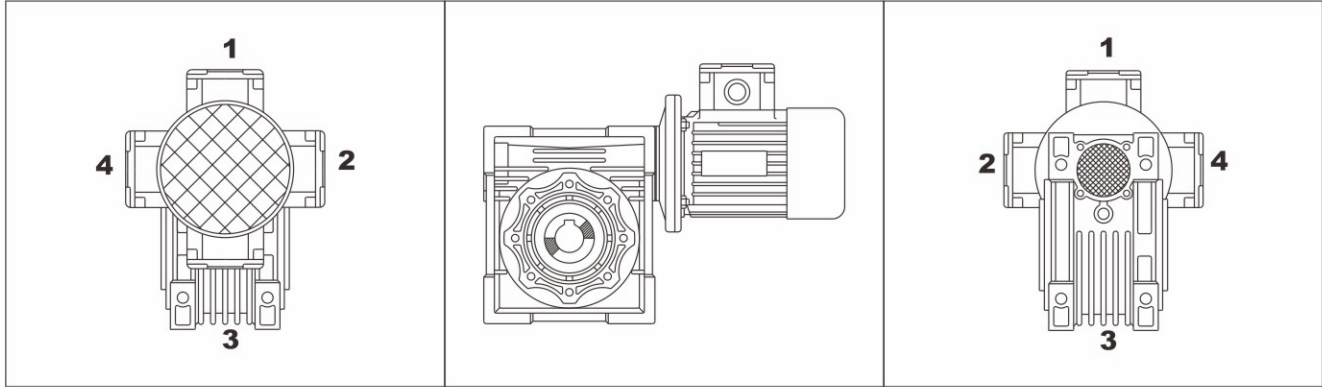
NMRV-NMRV安装方式 Mounting positions



法兰输出 Output flange F-FL



电机接线盒方位 Position of terminal box





选型参数 Parameter selections

双级减速机(法兰输入，输入转速1400r/min)/(配4极电机)  
Double step reducer(flange input, input speed is 1400r/min)/(matched with 4 poles motor)

| 组合<br>机型<br>Model | 输出<br>转速<br>N <sub>2</sub> (r/min) | 输出<br>转矩<br>M <sub>2</sub> (N.m) | 总<br>传动比<br>i | 高速级<br>传动比<br>i1 | 低速级<br>传动比<br>i2 | 输出轴<br>径向力<br>kN | 使用<br>系数<br>f.s. |
|-------------------|------------------------------------|----------------------------------|---------------|------------------|------------------|------------------|------------------|
| 0.06kw            |                                    |                                  |               |                  |                  |                  |                  |
| 25/30             | 14                                 | 25                               | 100           | 10               | 10               | 1.62             | 1.3              |
|                   | 9.3                                | 32                               | 150           | 10               | 15               | 1.83             | 0.9              |
|                   | 7.0                                | 41                               | 200           | 10               | 20               | 1.83             | 0.7              |
|                   | 5.6                                | 44                               | 250           | 10               | 25               | 1.83             | 0.8              |
| 25/40             | 4.7                                | 59                               | 300           | 10               | 30               | 3.49             | 1.2              |
|                   | 3.5                                | 71                               | 400           | 10               | 40               | 3.49             | 0.9              |
|                   | 2.8                                | 82                               | 500           | 20               | 25               | 3.49             | 0.7              |
|                   | 2.3                                | 101                              | 600           | 20               | 30               | 3.49             | 0.6              |
|                   | 1.9                                | 116                              | 750           | 25               | 30               | 3.49             | 0.5              |
|                   | 1.6                                | 143                              | 900           | 30               | 30               | 3.49             | 0.5              |
|                   | 1.2                                | 171                              | 1200          | 30               | 40               | 3.49             | 0.4              |
|                   | 0.9                                | 197                              | 1500          | 50               | 30               | 3.49             | 0.3              |
|                   | 0.8                                | 217                              | 1800          | 60               | 30               | 3.49             | 0.3              |
|                   | 0.6                                | 268                              | 2400          | 60               | 40               | 3.49             | 0.2              |
|                   | 0.5                                | 324                              | 3000          | 60               | 50               | 3.49             | 0.2              |
|                   | 0.4                                | 294                              | 4000          | 50               | 80               | 3.49             | 0.1              |
|                   | 0.3                                | 356                              | 5000          | 50               | 100              | 3.49             | 0.1              |
| 30/40             | 4.7                                | 57                               | 300           | 10               | 30               | 3.49             | 1.3              |
|                   | 3.5                                | 70                               | 400           | 10               | 40               | 3.49             | 0.9              |
|                   | 2.8                                | 96                               | 500           | 20               | 25               | 3.49             | 0.6              |
|                   | 2.3                                | 104                              | 600           | 20               | 30               | 3.49             | 0.7              |
|                   | 1.9                                | 121                              | 750           | 25               | 30               | 3.49             | 0.6              |
|                   | 1.6                                | 139                              | 900           | 30               | 30               | 3.49             | 0.5              |
|                   | 1.2                                | 166                              | 1200          | 30               | 40               | 3.49             | 0.4              |
|                   | 0.9                                | 196                              | 1500          | 50               | 30               | 3.49             | 0.4              |
|                   | 0.8                                | 218                              | 1800          | 60               | 30               | 3.49             | 0.3              |
|                   | 0.58                               | 261                              | 2400          | 60               | 40               | 3.49             | 0.2              |
|                   | 0.4                                | 300                              | 3200          | 80               | 40               | 3.49             | 0.2              |
|                   | 0.4                                | 279                              | 4000          | 50               | 80               | 3.49             | 0.1              |
|                   | 0.28                               | 338                              | 5000          | 50               | 100              | 3.49             | 0.1              |
| 30/50             | 1.6                                | 141                              | 900           | 30               | 30               | 4.84             | 1.0              |
|                   | 1.2                                | 169                              | 1200          | 30               | 40               | 4.84             | 0.7              |
|                   | 0.93                               | 199                              | 1500          | 50               | 30               | 4.84             | 0.7              |
|                   | 0.78                               | 222                              | 1800          | 60               | 30               | 4.84             | 0.7              |
|                   | 0.6                                | 266                              | 2400          | 60               | 40               | 4.84             | 0.5              |
|                   | 0.5                                | 307                              | 3000          | 60               | 50               | 4.84             | 0.4              |
|                   | 0.35                               | 288                              | 4000          | 50               | 80               | 4.84             | 0.3              |
|                   | 0.29                               | 311                              | 4800          | 60               | 80               | 4.84             | 0.3              |
| 30/63             | 0.9                                | 203                              | 1500          | 30               | 50               | 6.27             | 1.1              |
|                   | 0.78                               | 225                              | 1800          | 30               | 60               | 6.27             | 0.9              |
|                   | 0.58                               | 276                              | 2400          | 60               | 40               | 6.27             | 0.8              |
|                   | 0.47                               | 319                              | 3000          | 60               | 50               | 6.27             | 0.7              |
|                   | 0.35                               | 306                              | 4000          | 50               | 80               | 6.27             | 0.6              |
|                   | 0.28                               | 360                              | 5000          | 50               | 100              | 6.27             | 0.4              |

| 组合<br>机型<br>Model | 输出<br>转速<br>N <sub>2</sub> (r/min) | 输出<br>转矩<br>M <sub>2</sub> (N.m) | 总<br>传动比<br>i | 高速级<br>传动比<br>i1 | 低速级<br>传动比<br>i2 | 输出轴<br>径向力<br>kN | 使用<br>系数<br>f.s. |
|-------------------|------------------------------------|----------------------------------|---------------|------------------|------------------|------------------|------------------|
| 0.06kw            |                                    |                                  |               |                  |                  |                  |                  |
| 40/75             | 0.6                                | 330                              | 2400          | 60               | 40               | 7.38             | 1.1              |
|                   | 0.47                               | 377                              | 3000          | 60               | 50               | 7.38             | 0.8              |
|                   | 0.35                               | 355                              | 4000          | 50               | 80               | 7.38             | 0.7              |
|                   | 0.28                               | 419                              | 5000          | 50               | 100              | 7.38             | 0.5              |
|                   | 0.5                                | 405                              | 3000          | 60               | 50               | 8.18             | 1.4              |
| 40/90             | 0.35                               | 365                              | 4000          | 50               | 80               | 8.18             | 1.3              |
|                   | 0.28                               | 431                              | 5000          | 50               | 100              | 81.8             | 1.0              |
|                   | 0.5                                | 405                              | 3000          | 60               | 50               | 8.18             | 1.4              |
| 0.09kw            |                                    |                                  |               |                  |                  |                  |                  |
| 25/30             | 14                                 | 37                               | 100           | 10               | 10               | 1.62             | 0.8              |
|                   | 9.3                                | 49                               | 150           | 10               | 15               | 1.83             | 0.6              |
|                   | 7.0                                | 62                               | 200           | 10               | 20               | 1.83             | 0.5              |
|                   | 5.6                                | 66                               | 250           | 10               | 25               | 1.83             | 0.5              |
|                   | 4.7                                | 75                               | 300           | 10               | 30               | 1.83             | 0.4              |
|                   | 3.5                                | 107                              | 400           | 10               | 40               | 1.83             | 0.3              |
|                   | 2.8                                | 115                              | 500           | 20               | 25               | 1.83             | 0.2              |
|                   | 2.3                                | 135                              | 600           | 20               | 30               | 1.83             | 0.2              |
|                   | 1.9                                | 151                              | 750           | 25               | 30               | 1.83             | 0.2              |
|                   | 1.6                                | 178                              | 900           | 30               | 30               | 1.83             | 0.2              |
|                   | 1.2                                | 212                              | 1200          | 30               | 40               | 1.83             | 0.1              |
|                   | 0.9                                | 247                              | 1500          | 50               | 30               | 1.83             | 0.1              |
|                   | 0.78                               | 304                              | 1800          | 60               | 30               | 1.83             | 0.1              |
|                   | 0.58                               | 340                              | 2400          | 60               | 40               | 1.83             | 0.1              |
| 30/40             | 0.47                               | 405                              | 3000          | 60               | 50               | 1.83             | 0.1              |
|                   | 4.7                                | 88                               | 300           | 10               | 30               | 3.49             | 0.8              |
| 30/50             | 3.5                                | 107                              | 400           | 10               | 40               | 4.84             | 1.2              |
|                   | 2.8                                | 123                              | 500           | 10               | 50               | 4.84             | 1.0              |
|                   | 2.3                                | 159                              | 600           | 20               | 30               | 4.84             | 0.9              |
|                   | 1.9                                | 185                              | 750           | 25               | 30               | 4.84             | 0.8              |
|                   | 1.6                                | 212                              | 900           | 30               | 30               | 4.84             | 0.7              |
|                   | 1.2                                | 263                              | 1200          | 30               | 40               | 6.27             | 0.9              |
| 30/63             | 0.93                               | 305                              | 1500          | 30               | 50               | 6.27             | 0.7              |
|                   | 0.9                                | 359                              | 1500          | 50               | 30               | 7.38             | 1.1              |
|                   | 0.78                               | 404                              | 1800          | 60               | 30               | 7.38             | 1.0              |
| 40/75             | 0.58                               | 496                              | 2400          | 60               | 40               | 7.38             | 0.7              |
|                   | 0.5                                | 608                              | 3000          | 60               | 50               | 8.18             | 0.9              |
| 40/90             | 0.35                               | 548                              | 4000          | 50               | 80               | 8.18             | 0.8              |
|                   | 0.5                                | 608                              | 3000          | 60               | 50               | 8.18             | 0.9              |
| 0.12kw            |                                    |                                  |               |                  |                  |                  |                  |
| 30/50             | 4.7                                | 118                              | 300           | 10               | 30               | 4.84             | 1.2              |
|                   | 3.5                                | 142                              | 400           | 10               | 40               | 4.84             | 0.9              |
|                   | 2.8                                | 164                              | 500           | 10               | 50               | 4.84             | 0.7              |
| 30/63             | 2.8                                | 171                              | 500           | 10               | 50               | 6.27             | 1.3              |
|                   | 2.3                                | 208                              | 600           | 15               | 40               | 6.27             | 1.1              |
|                   | 1.9                                | 241                              | 750           | 15               | 50               | 6.27             | 0.9              |

| 组合<br>机型<br>Model | 输出<br>转速<br>N <sub>2</sub> (r/min) | 输出<br>转矩<br>M <sub>2</sub> (N.m) | 总<br>传动比<br>i | 高速级<br>传动比<br>i1 | 低速级<br>传动比<br>i2 | 输出轴<br>径向力<br>kN | 使用<br>系数<br>f.s. |
|-------------------|------------------------------------|----------------------------------|---------------|------------------|------------------|------------------|------------------|
| 0.12kw            |                                    |                                  |               |                  |                  |                  |                  |
| 40/75             | 1.6                                | 324                              | 900           | 30               | 30               | 7.38             | 1.2              |
|                   | 1.2                                | 399                              | 1200          | 30               | 40               | 7.38             | 0.9              |
| 40/90             | 0.78                               | 546                              | 1800          | 30               | 60               | 8.18             | 0.9              |
|                   | 0.58                               | 695                              | 2400          | 60               | 40               | 8.18             | 0.9              |
| 50/110            | 0.5                                | 883                              | 3000          | 60               | 50               | 10.32            | 1.2              |
|                   | 0.35                               | 784                              | 4000          | 50               | 80               | 10.32            | 1.0              |
|                   | 0.28                               | 928                              | 5000          | 50               | 100              | 10.32            | 0.8              |
| 0.18kw            |                                    |                                  |               |                  |                  |                  |                  |
| 30/63             | 3.5                                | 221                              | 400           | 10               | 40               | 6.27             | 1.0              |
|                   | 2.8                                | 257                              | 500           | 10               | 50               | 6.27             | 0.8              |
| 40/75             | 2.3                                | 362                              | 600           | 20               | 30               | 7.38             | 1.1              |
|                   | 1.9                                | 435                              | 750           | 25               | 30               | 7.38             | 0.9              |
|                   | 1.6                                | 487                              | 900           | 30               | 30               | 7.38             | 0.8              |
| 40/90             | 1.2                                | 629                              | 1200          | 30               | 40               | 8.18             | 1.0              |
|                   | 0.93                               | 735                              | 1500          | 30               | 50               | 8.18             | 0.8              |
| 50/110            | 0.8                                | 860                              | 1800          | 60               | 30               | 10.32            | 1.5              |
|                   | 0.58                               | 1113                             | 2400          | 60               | 40               | 10.32            | 1.1              |
| 0.25kw            |                                    |                                  |               |                  |                  |                  |                  |
| 30/63             | 3.5                                | 159                              | 400           | 10               | 40               | 6.27             | 1.4              |
|                   | 2.8                                | 185                              | 500           | 10               | 50               | 6.27             | 1.2              |
| 40/75             | 3.5                                | 336                              | 400           | 10               | 40               | 7.38             | 1.1              |
|                   | 2.8                                | 384                              | 500           | 10               | 50               | 7.38             | 0.8              |
| 40/90             | 2.3                                | 511                              | 600           | 15               | 40               | 8.18             | 1.2              |
|                   | 1.9                                | 598                              | 750           | 15               | 50               | 8.18             | 0.9              |
|                   | 1.6                                | 667                              | 900           | 15               | 60               | 8.18             | 0.8              |
| 50/110            | 1.2                                | 943                              | 1200          | 30               | 40               | 10.32            | 1.3              |
|                   | 0.93                               | 1064                             | 1500          | 50               | 30               | 10.32            | 1.2              |
|                   | 0.78                               | 1195                             | 1800          | 60               | 30               | 10.32            | 1.1              |
| 63/130            | 0.6                                | 1624                             | 2400          | 60               | 40               | 13.5             | 1.0              |
|                   | 0.47                               | 1935                             | 3000          | 60               | 50               | 13.5             | 0.8              |
|                   | 0.35                               | 2046                             | 4000          | 50               | 80               | 13.5             | 0.6              |
|                   | 0.28                               | 2430                             | 5000          | 50               | 100              | 13.5             | 0.5              |
| 63/150            | 0.8                                | 1199                             | 1800          | 60               | 30               | 18               | 1.8              |
|                   | 0.8                                | 1199                             | 1800          | 60               | 30               | 18               | 1.8              |
|                   | 0.6                                | 1446                             | 2400          | 60               | 40               | 18               | 1.8              |
|                   | 0.5                                | 1713                             | 3000          | 60               | 50               | 18               | 1.4              |
|                   | 0.4                                | 2026                             | 4000          | 50               | 80               | 18               | 0.9              |
|                   | 0.3                                | 2251                             | 5000          | 50               | 100              | 18               | 0.7              |
|                   | 0.3                                | 2251                             | 5000          | 50               | 100              | 18               | 0.7              |
| 0.37kw            |                                    |                                  |               |                  |                  |                  |                  |
| 40/175            | 4.7                                | 405                              | 300           | 10               | 30               | 7.38             | 1.0              |
|                   | 3.5                                | 498                              | 400           | 10               | 40               | 7.38             | 0.7              |
| 40/90             | 4.7                                | 401                              | 300           | 7.5              | 40               | 8.18             | 1.5              |
|                   | 3.5                                | 523                              | 400           | 10               | 40               | 8.18             | 1.2              |
|                   | 2.8                                | 611                              | 500           | 10               | 50               | 8.18             | 0.9              |
|                   | 2.3                                | 757                              | 600           | 15               | 40               | 8.18             | 0.8              |
| 50/110            | 1.9                                | 949                              | 750           | 25               | 30               | 10.32            | 1.3              |
|                   | 1.6                                | 1079                             | 900           | 30               | 30               | 10.32            | 1.2              |
|                   | 1.2                                | 1396                             | 1200          | 30               | 40               | 10.32            | 0.8              |
| 63/130            | 0.9                                | 1674                             | 1500          | 50               | 30               | 13.5             | 1.1              |

| 组合<br>机型<br>Model | 输出<br>转速<br>N <sub>2</sub> (r/min) | 输出<br>转矩<br>M <sub>2</sub> (N.m) | 总<br>传动比<br>i | 高速级<br>传动比<br>i <sub>1</sub> | 低速级<br>传动比<br>i <sub>2</sub> | 输出轴<br>径向力<br>kN | 使用<br>系数<br>f.s. |
|-------------------|------------------------------------|----------------------------------|---------------|------------------------------|------------------------------|------------------|------------------|
| 0.37kw            |                                    |                                  |               |                              |                              |                  |                  |
| 63/130            | 0.78                               | 1887                             | 1800          | 60                           | 30                           | 13.5             | 0.9              |
| 63/150            | 0.78                               | 1774                             | 1800          | 60                           | 30                           | 18               | 1.2              |
|                   | 0.6                                | 2141                             | 2400          | 60                           | 40                           | 18               | 1.2              |
|                   | 0.5                                | 2535                             | 3000          | 60                           | 50                           | 18               | 0.9              |
| 0.55kw            |                                    |                                  |               |                              |                              |                  |                  |
| 50/110            | 4.7                                | 638                              | 300           | 10                           | 30                           | 10.32            | 2.0              |
|                   | 3.5                                | 826                              | 400           | 10                           | 40                           | 10.32            | 1.4              |
|                   | 2.8                                | 984                              | 500           | 10                           | 50                           | 10.32            | 1.1              |
|                   | 2.3                                | 1181                             | 600           | 15                           | 40                           | 10.32            | 1.0              |
|                   | 1.9                                | 1411                             | 750           | 25                           | 30                           | 10.32            | 0.9              |
| 63/130            | 2.8                                | 995                              | 500           | 10                           | 50                           | 13.5             | 1.6              |
|                   | 1.9                                | 1471                             | 750           | 25                           | 30                           | 13.5             | 1.2              |
|                   | 1.2                                | 2132                             | 1200          | 30                           | 40                           | 13.5             | 0.8              |
| 63/150            | 0.78                               | 2637                             | 1800          | 60                           | 30                           | 18               | 0.8              |
|                   | 0.6                                | 3182                             | 2400          | 60                           | 40                           | 18               | 0.8              |
| 0.75kw            |                                    |                                  |               |                              |                              |                  |                  |
| 50/110            | 4.7                                | 871                              | 300           | 10                           | 30                           | 10.32            | 1.5              |
|                   | 3.5                                | 1126                             | 400           | 10                           | 40                           | 10.32            | 1.1              |
| 63/130            | 2.8                                | 1357                             | 500           | 10                           | 50                           | 13.5             | 1.1              |
|                   | 2.3                                | 1631                             | 600           | 15                           | 40                           | 13.5             | 1.0              |
|                   | 1.9                                | 2005                             | 750           | 25                           | 30                           | 13.5             | 0.9              |
|                   | 1.6                                | 2283                             | 900           | 30                           | 30                           | 13.5             | 0.8              |
| 63/150            | 2.8                                | 1290                             | 500           | 10                           | 50                           | 18               | 1.8              |
|                   | 2.3                                | 1529                             | 600           | 15                           | 40                           | 18               | 1.7              |
|                   | 1.9                                | 1783                             | 750           | 25                           | 30                           | 18               | 1.3              |
|                   | 1.6                                | 2215                             | 900           | 30                           | 30                           | 18               | 0.9              |
|                   | 1.2                                | 2680                             | 1200          | 30                           | 40                           | 18               | 1.0              |
| 1.1kw             |                                    |                                  |               |                              |                              |                  |                  |
| 63/130            | 4.7                                | 1312                             | 300           | 10                           | 30                           | 13.5             | 1.3              |
|                   | 3.5                                | 1671                             | 400           | 10                           | 40                           | 13.5             | 1.0              |
|                   | 2.8                                | 1991                             | 150           | 10                           | 50                           | 13.5             | 0.8              |
| 63/150            | 9.3                                | 752                              | 150           | 10                           | 15                           | 18               | 3.1              |
|                   | 7.0                                | 966                              | 200           | 10                           | 20                           | 18               | 2.4              |
|                   | 5.6                                | 1175                             | 250           | 10                           | 25                           | 18               | 1.7              |
|                   | 4.7                                | 1364                             | 300           | 10                           | 30                           | 18               | 1.7              |
|                   | 3.5                                | 1619                             | 400           | 10                           | 40                           | 18               | 1.6              |
|                   | 2.8                                | 1893                             | 500           | 10                           | 50                           | 18               | 1.2              |
|                   | 2.3                                | 2242                             | 600           | 15                           | 40                           | 18               | 1.2              |
|                   | 1.9                                | 2616                             | 750           | 25                           | 30                           | 18               | 0.9              |
|                   | 1.5kw                              |                                  |               |                              |                              |                  |                  |
| 63/130            | 4.7                                | 1789                             | 300           | 10                           | 30                           | 13.5             | 1.0              |
|                   | 3.5                                | 2279                             | 400           | 10                           | 40                           | 13.5             | 0.7              |
| 63/150            | 9.3                                | 1026                             | 150           | 10                           | 15                           | 18               | 2.3              |
|                   | 7                                  | 1317                             | 200           | 10                           | 20                           | 18               | 1.8              |
|                   | 5.6                                | 1602                             | 250           | 10                           | 25                           | 18               | 1.3              |
|                   | 4.7                                | 1860                             | 300           | 10                           | 30                           | 18               | 1.3              |
|                   | 3.5                                | 2208                             | 400           | 10                           | 40                           | 18               | 1.2              |
|                   | 2.8                                | 2582                             | 500           | 10                           | 50                           | 18               | 0.9              |
|                   | 2.3                                | 3057                             | 600           | 15                           | 40                           | 18               | 0.9              |



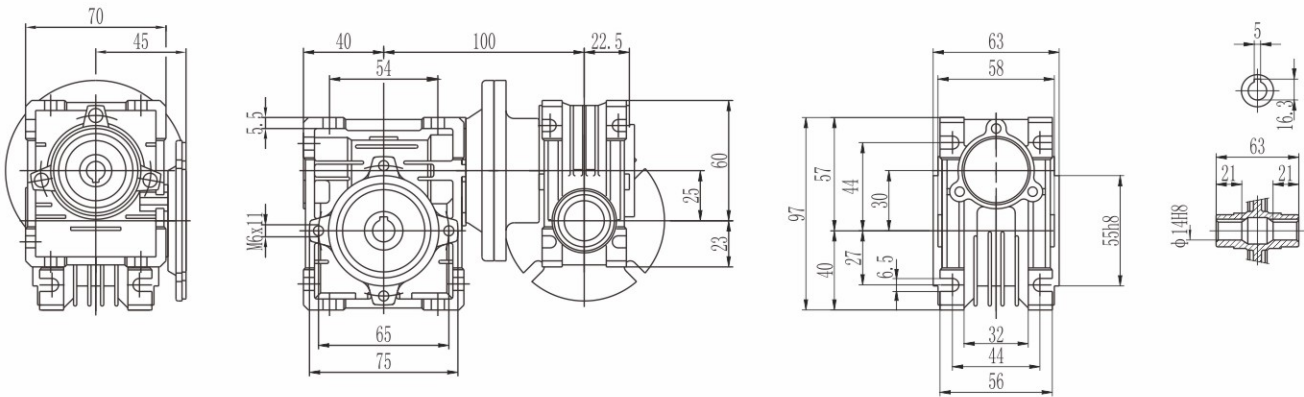
双级减速机(轴伸输入，输入转速1400r/min)  
Double step reducer(shaft extend input, input speed is 1400r/min)

| 机型代号<br>Model | 输入轴<br>功率<br>kw | 输出转速<br>N2<br>(r/min) | 输出转矩<br>M2<br>(N.m) | 传动比<br>i | 输出轴<br>径向力<br>kN | 输出轴<br>轴向力<br>kN |
|---------------|-----------------|-----------------------|---------------------|----------|------------------|------------------|
| 30/40         | 0.1             | 4.7                   | 73                  | 300      | 3.49             | 0.21             |
|               | 0.1             | 3.5                   | 65                  | 400      | 3.49             | 0.21             |
|               | 0.08            | 2.8                   | 61                  | 500      | 3.49             | 0.21             |
|               | 0.06            | 2.3                   | 73                  | 600      | 3.49             | 0.21             |
|               | 0.04            | 1.9                   | 73                  | 750      | 3.49             | 0.21             |
|               | 0.03            | 0.6                   | 73                  | 900      | 3.49             | 0.21             |
|               | 0.02            | 1.2                   | 65                  | 1200     | 3.49             | 0.21             |
|               | 0.02            | 0.9                   | 73                  | 1500     | 3.49             | 0.21             |
|               | 0.02            | 0.8                   | 73                  | 1800     | 3.49             | 0.21             |
|               | 0.01            | 0.58                  | 65                  | 2400     | 3.49             | 0.21             |
|               | 0.01            | 0.4                   | 65                  | 3200     | 3.49             | 0.21             |
|               | 0.01            | 0.35                  | 33                  | 4000     | 3.49             | 0.21             |
| 30/50         | 0.15            | 4.7                   | 145                 | 300      | 4.84             | 0.21             |
|               | 0.1             | 3.5                   | 124                 | 400      | 4.84             | 0.21             |
|               | 0.1             | 2.8                   | 120                 | 500      | 4.84             | 0.21             |
|               | 0.1             | 2.3                   | 145                 | 600      | 4.84             | 0.21             |
|               | 0.1             | 1.9                   | 145                 | 750      | 4.84             | 0.21             |
|               | 0.1             | 1.6                   | 145                 | 900      | 4.84             | 0.21             |
|               | 0.08            | 1.2                   | 124                 | 1200     | 4.84             | 0.21             |
|               | 0.06            | 0.93                  | 145                 | 1500     | 4.84             | 0.21             |
|               | 0.04            | 0.78                  | 145                 | 1800     | 4.84             | 0.21             |
|               | 0.03            | 0.6                   | 124                 | 2400     | 4.84             | 0.21             |
|               | 0.02            | 0.5                   | 120                 | 3000     | 4.84             | 0.21             |
|               | 0.02            | 0.35                  | 82                  | 4000     | 4.84             | 0.21             |
| 30/63         | 0.24            | 4.7                   | 230                 | 300      | 6.27             | 0.21             |
|               | 0.2             | 3.5                   | 230                 | 400      | 6.27             | 0.21             |
|               | 0.2             | 2.8                   | 216                 | 500      | 6.27             | 0.21             |
|               | 0.13            | 2.3                   | 230                 | 600      | 6.27             | 0.21             |
|               | 0.11            | 1.9                   | 216                 | 750      | 6.27             | 0.21             |
|               | 0.1             | 1.6                   | 198                 | 900      | 6.27             | 0.21             |
|               | 0.1             | 1.2                   | 230                 | 1200     | 6.27             | 0.21             |
|               | 0.1             | 0.93                  | 216                 | 1500     | 6.27             | 0.21             |
|               | 0.1             | 0.78                  | 198                 | 1800     | 6.27             | 0.21             |
|               | 0.1             | 0.58                  | 230                 | 2400     | 6.27             | 0.21             |
|               | 0.08            | 0.47                  | 216                 | 3000     | 6.27             | 0.21             |
|               | 0.06            | 0.35                  | 172                 | 4000     | 6.27             | 0.21             |
| 40/75         | 0.04            | 0.28                  | 150                 | 5000     | 6.27             | 0.21             |
|               | 0.4             | 4.7                   | 390                 | 300      | 7.38             | 0.35             |
|               | 0.3             | 3.5                   | 360                 | 400      | 7.38             | 0.35             |
|               | 0.21            | 2.8                   | 320                 | 500      | 7.38             | 0.35             |
|               | 0.2             | 2.3                   | 390                 | 600      | 7.38             | 0.35             |
|               | 0.2             | 1.9                   | 390                 | 750      | 7.38             | 0.35             |
|               | 0.14            | 1.6                   | 390                 | 900      | 7.38             | 0.35             |
|               | 0.11            | 1.2                   | 360                 | 1200     | 7.38             | 0.35             |
|               | 0.1             | 0.93                  | 390                 | 1500     | 7.38             | 0.35             |
|               | 0.1             | 0.78                  | 390                 | 1800     | 7.38             | 0.35             |
|               | 0.1             | 0.58                  | 360                 | 2400     | 7.38             | 0.35             |
|               | 0.1             | 0.47                  | 320                 | 3000     | 7.38             | 0.35             |
| 40/75         | 0.08            | 0.35                  | 250                 | 4000     | 7.38             | 0.35             |
|               | 0.06            | 0.28                  | 230                 | 5000     | 7.38             | 0.35             |

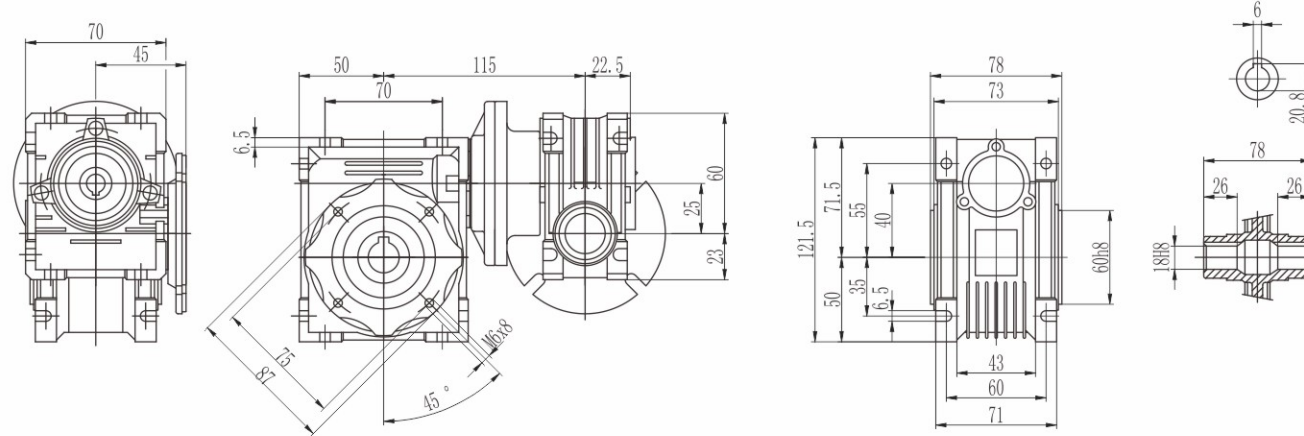
| 机型代号<br>Model | 输入轴<br>功率<br>kw | 输出转速<br>N2<br>(r/min) | 输出转矩<br>M2<br>(N.m) | 传动比<br>i | 输出轴<br>径向力<br>kN | 输出轴<br>轴向力<br>kN |
|---------------|-----------------|-----------------------|---------------------|----------|------------------|------------------|
| 40/90         | 0.6             | 4.7                   | 610                 | 300      | 8.18             | 0.35             |
|               | 0.43            | 3.5                   | 610                 | 400      | 8.18             | 0.35             |
|               | 0.34            | 2.8                   | 560                 | 500      | 8.18             | 0.35             |
|               | 0.3             | 2.3                   | 610                 | 600      | 8.18             | 0.35             |
|               | 0.23            | 1.9                   | 560                 | 750      | 8.18             | 0.35             |
|               | 0.2             | 1.6                   | 505                 | 900      | 8.18             | 0.35             |
|               | 0.3             | 1.2                   | 610                 | 1200     | 8.18             | 0.35             |
|               | 0.14            | 0.93                  | 560                 | 1500     | 8.18             | 0.35             |
|               | 0.11            | 0.78                  | 505                 | 1800     | 8.18             | 0.35             |
|               | 0.11            | 0.58                  | 610                 | 2400     | 8.18             | 0.35             |
|               | 0.1             | 0.47                  | 560                 | 3000     | 8.18             | 0.35             |
|               | 0.1             | 0.35                  | 460                 | 4000     | 8.18             | 0.35             |
| 50/110        | 0.1             | 0.28                  | 410                 | 5000     | 8.18             | 0.35             |
|               | 1.1             | 4.7                   | 1265                | 300      | 10.32            | 0.49             |
|               | 0.8             | 3.5                   | 1185                | 400      | 10.32            | 0.49             |
|               | 0.61            | 2.8                   | 1100                | 500      | 10.32            | 0.49             |
|               | 0.6             | 2.3                   | 1185                | 600      | 10.32            | 0.49             |
|               | 0.5             | 1.9                   | 1265                | 750      | 10.32            | 0.49             |
|               | 0.43            | 1.6                   | 1265                | 900      | 10.32            | 0.49             |
|               | 0.31            | 1.2                   | 1186                | 1200     | 10.32            | 0.49             |
|               | 0.3             | 0.93                  | 1265                | 1500     | 10.32            | 0.49             |
|               | 0.3             | 0.78                  | 1265                | 1800     | 10.32            | 0.49             |
|               | 0.2             | 0.58                  | 1185                | 2400     | 10.32            | 0.49             |
|               | 0.15            | 0.47                  | 1100                | 3000     | 10.32            | 0.49             |
| 63/130        | 0.13            | 0.35                  | 819                 | 4000     | 10.32            | 0.49             |
|               | 0.1             | 0.28                  | 746                 | 5000     | 10.32            | 0.49             |
|               | 0.8             | 2.3                   | 1650                | 600      | 13.5             | 0.7              |
|               | 0.7             | 1.9                   | 1760                | 750      | 13.5             | 0.7              |
|               | 0.6             | 1.6                   | 1760                | 900      | 13.5             | 0.7              |
|               | 0.4             | 1.2                   | 1650                | 1200     | 13.5             | 0.7              |
|               | 0.4             | 0.93                  | 1760                | 1500     | 13.5             | 0.7              |
|               | 0.4             | 0.93                  | 1760                | 1500     | 13.5             | 0.7              |
|               | 0.3             | 0.78                  | 1760                | 1800     | 13.5             | 0.7              |
|               | 0.3             | 0.58                  | 1650                | 2400     | 13.5             | 0.7              |
|               | 0.2             | 0.47                  | 1550                | 3000     | 13.5             | 0.7              |
|               | 0.1             | 0.35                  | 1220                | 4000     | 13.5             | 0.7              |
| 63/150        | 0.1             | 0.28                  | 1100                | 5000     | 13.5             | 0.7              |
|               | 3.4             | 9.3                   | 2340                | 150      | 18               | 0.7              |
|               | 2.7             | 7.0                   | 2340                | 200      | 18               | 0.7              |
|               | 1.9             | 5.6                   | 2050                | 250      | 18               | 0.7              |
|               | 1.9             | 4.7                   | 2340                | 300      | 18               | 0.7              |
|               | 1.8             | 3.5                   | 2670                | 400      | 18               | 0.7              |
|               | 1.4             | 2.8                   | 2330                | 500      | 18               | 0.7              |
|               | 1.3             | 2.3                   | 2670                | 600      | 18               | 0.7              |
|               | 1.0             | 1.9                   | 2330                | 750      | 18               | 0.7              |
|               | 0.7             | 1.6                   | 2100                | 900      | 18               | 0.7              |
|               | 0.7             | 1.2                   | 2670                | 1200     | 18               | 0.7              |
|               | 0.4             | 0.8                   | 2100                | 1800     | 18               | 0.7              |
| 63/150        | 0.5             | 0.6                   | 2670                | 2400     | 18               | 0.7              |
|               | 0.3             | 0.5                   | 2330                | 3000     | 18               | 0.7              |
|               | 0.2             | 0.4                   | 1880                | 4000     | 18               | 0.7              |
|               | 0.2             | 0.3                   | 1650                | 5000     | 18               | 0.7              |

NMRV-NMRV外型尺寸 Dimensions

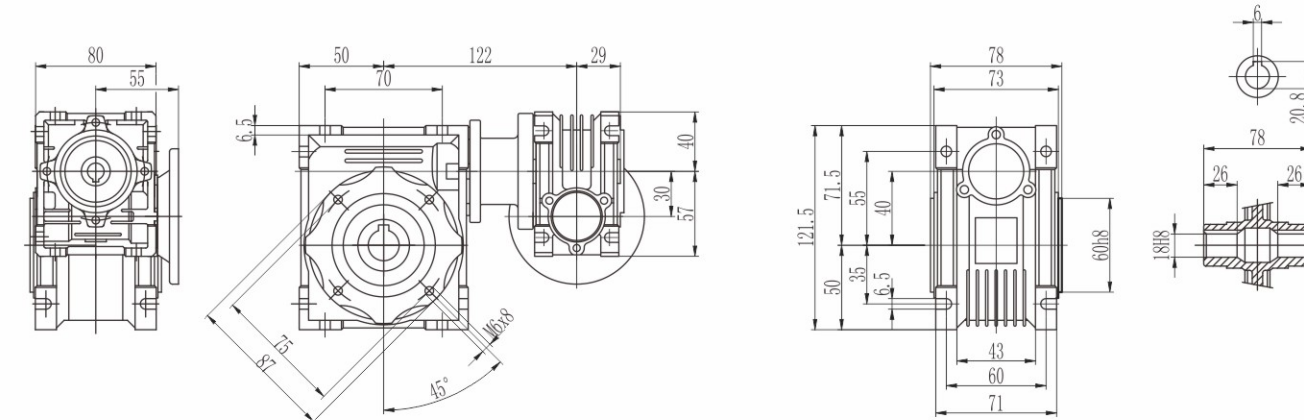
NMRV025-NMRV030



NMRV025-NMRV040



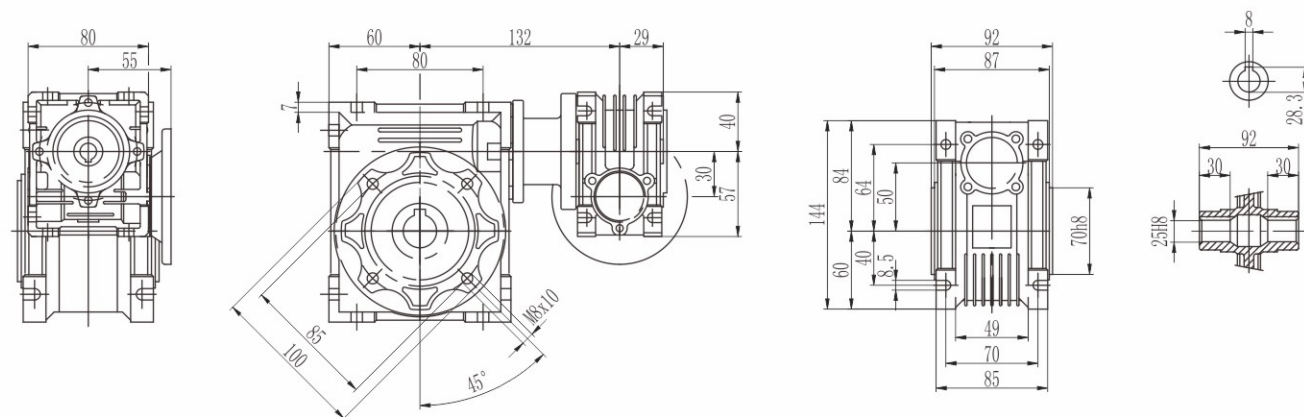
NMRV030-NMRV040



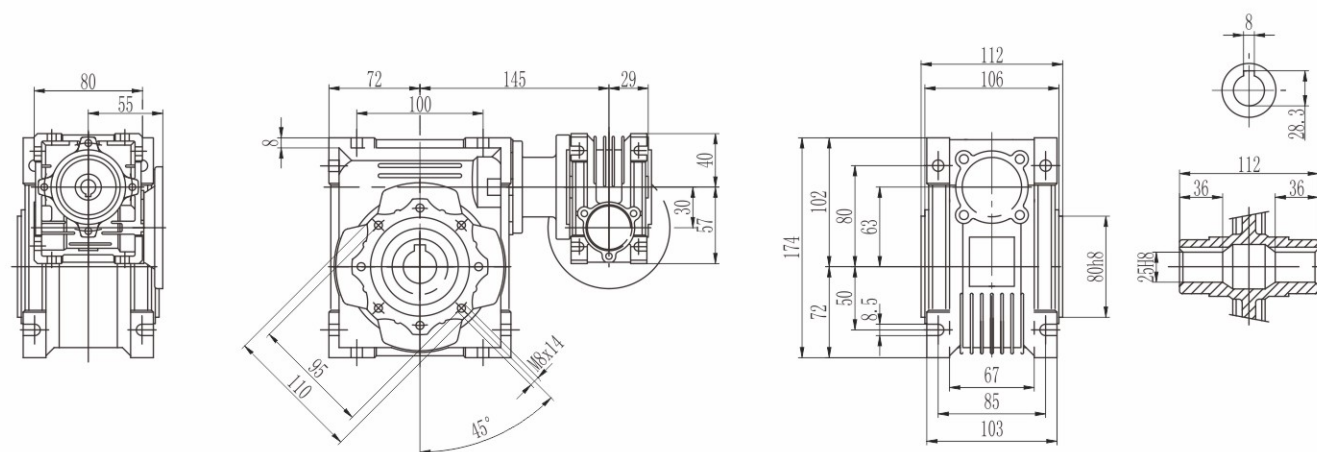


## NMRV-NMRV外型尺寸 Dimensions

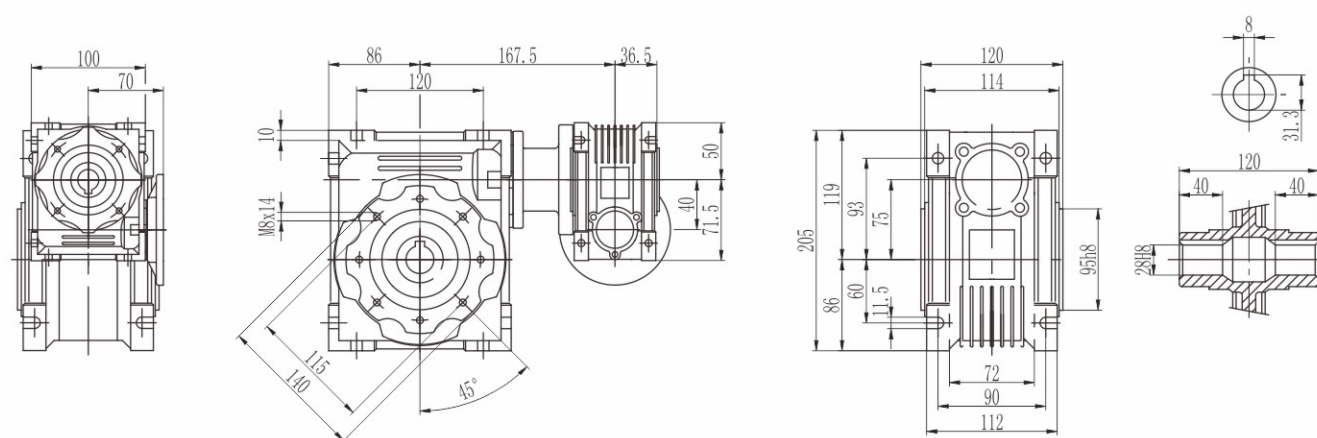
## NMRV030-NMRV050



## NMRV030-NMRV063

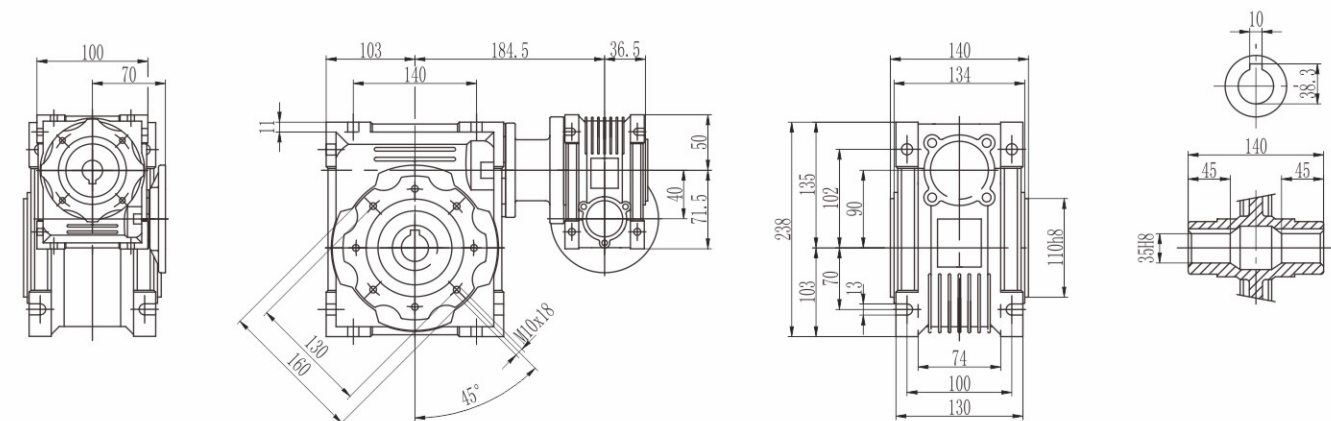


## NMRV040-NMRV075

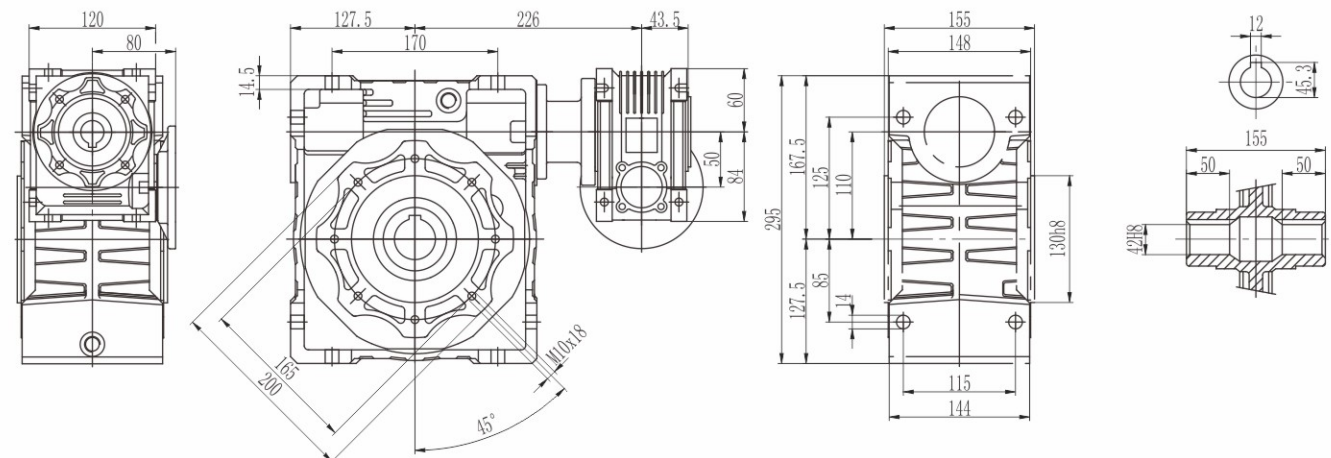


## NMRV-NMRV外型尺寸 Dimensions

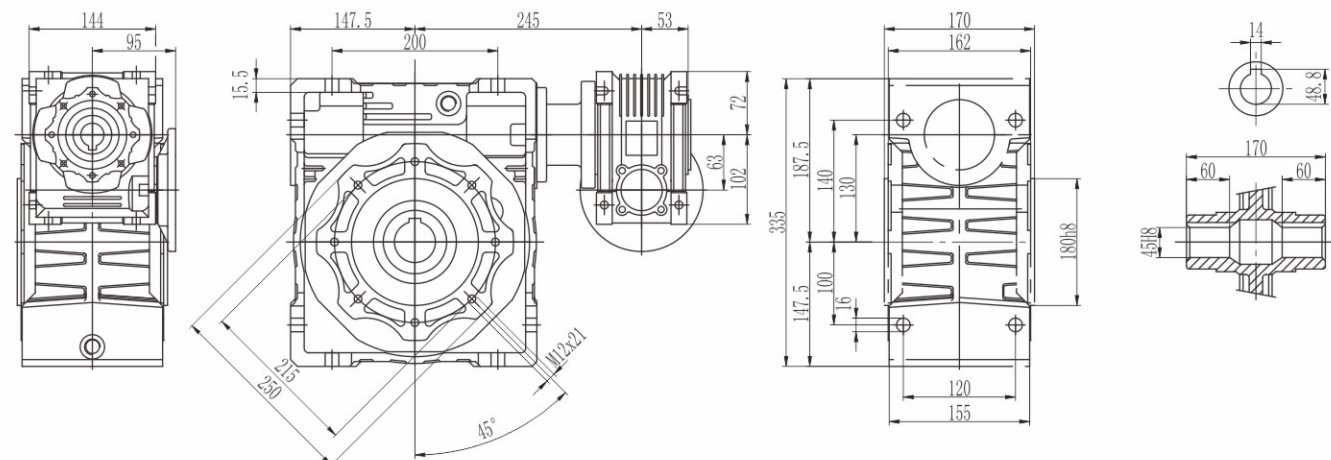
## NMRV040-NMRV090



## NMRV050-NMRV110

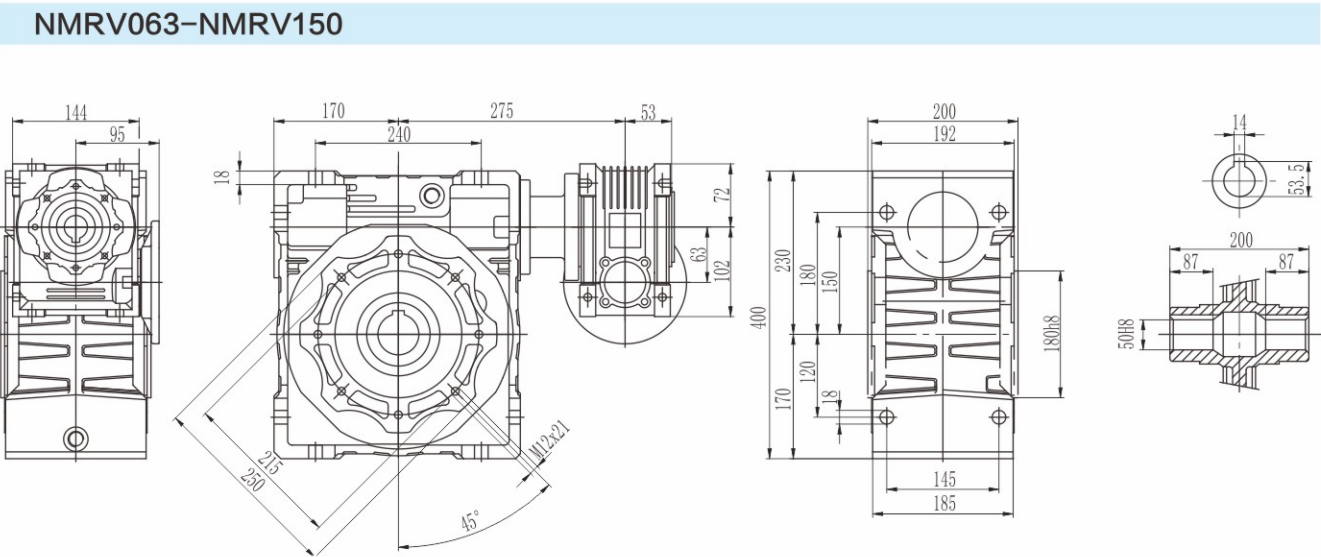


## NMRV063-NMRV130

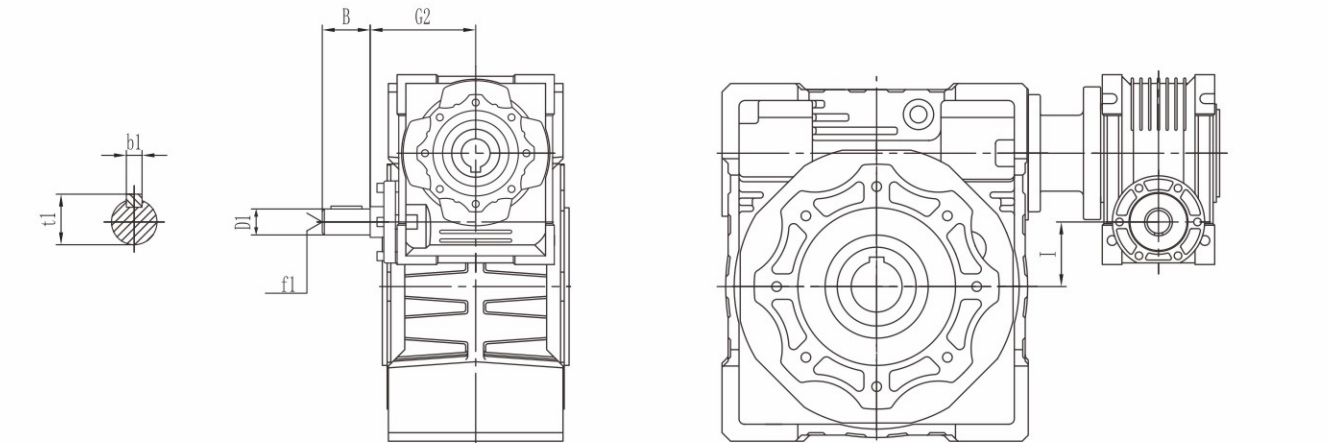




NMRV-NMRV外型尺寸 Dimensions



NRV-NMRV外型尺寸 Dimensions

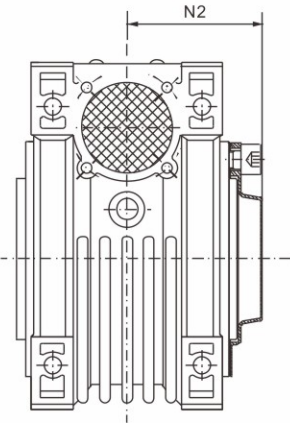


| NRV-NMRV | 025-030 | 025-040 | 030-040 | 030-050 | 030-063 | 040-075 | 040-090 | 050-110 | 063-130 | 063-150 |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| B        | 20      | 20      | 20      | 20      | 20      | 23      | 23      | 30      | 40      | 40      |
| D1       | 9 j6    | 9 j6    | 9 j6    | 9 j6    | 9 j6    | 11 j6   | 11 j6   | 14 j6   | 19 j6   | 19 j6   |
| G2       | 42      | 42      | 51      | 51      | 51      | 60      | 60      | 74      | 90      | 90      |
| I        | 5       | 15      | 10      | 20      | 33      | 35      | 50      | 60      | 67      | 87      |
| b1       | 3       | 3       | 3       | 3       | 3       | 4       | 4       | 5       | 6       | 6       |
| f1       | -       | -       | -       | -       | -       | -       | -       | M6      | M6      | M6      |
| t1       | 10.2    | 10.2    | 10.2    | 10.2    | 10.2    | 12.5    | 12.5    | 16      | 21.5    | 21.5    |

附件

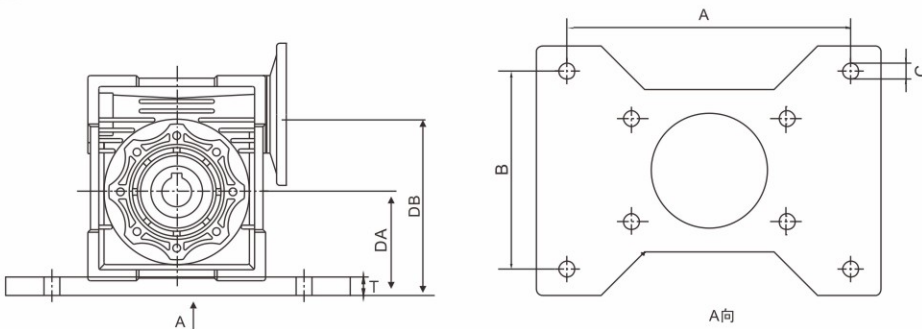
Accessories

防护罩 Protective cover



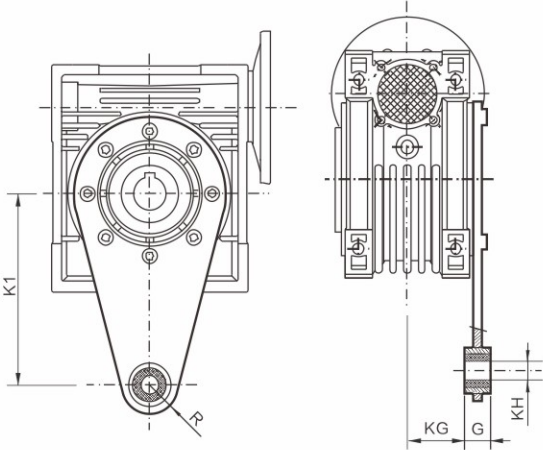
|     | N2  |
|-----|-----|
| 030 | 42  |
| 040 | 50  |
| 050 | 58  |
| 063 | 69  |
| 075 | 74  |
| 090 | 86  |
| 110 | 94  |
| 130 | 102 |
| 150 | 117 |

基座 Base plate



|    | 030 | 040-A | 040-B | 050  | 063-A | 063-B | 075   | 090   |
|----|-----|-------|-------|------|-------|-------|-------|-------|
| A  | 111 | 111   | 146   | 162  | 179   | 203   | 214   | 241   |
| B  | 84  | 84    | 114   | 119  | 124   | 133   | 149   | 156   |
| C  | 8.5 | 8.5   | 10.5  | 12.5 | 12.5  | 12.5  | 12.5  | 12.5  |
| DA | 57  | 67    | 70    | 76   | 89    | 93    | 101.5 | 117.5 |
| DB | 87  | 107   | 110   | 126  | 152   | 156   | 176.5 | 207.5 |
| T  | 17  | 17    | 20    | 16   | 17    | 21    | 15.5  | 14.5  |

扭力臂尺寸 Size of torque arm



|     | K1  | R  | KG   | G  | KH |
|-----|-----|----|------|----|----|
| 025 | 70  | 15 | 17.5 | 14 | 8  |
| 030 | 85  | 15 | 24   | 14 | 8  |
| 040 | 100 | 18 | 31.5 | 14 | 10 |
| 050 | 100 | 18 | 38.5 | 14 | 10 |
| 063 | 150 | 18 | 49   | 14 | 10 |
| 075 | 200 | 30 | 47.5 | 25 | 20 |
| 090 | 200 | 30 | 57.5 | 25 | 20 |
| 110 | 250 | 35 | 62   | 30 | 25 |
| 130 | 250 | 35 | 69   | 30 | 25 |
| 150 | 250 | 35 | 84   | 30 | 25 |



使用说明  
Operating Instructions

1.单级蜗杆减速机

- 1.1 减速机型号25-90采用优质铝合金压铸箱体，外形轻巧美观,结构紧凑,体积小，重量轻，节省安装空间，不易锈蚀。
- 1.2 减速机型号110-150采用灰铸铁铝模铸造，外型美观坚固，可多方位安装使用。
- 1.3 散热性能好，安全可靠，效率高。
- 1.4 承载能力高，传动平稳，振动小，噪音低。
- 1.5 具有动力输入及转矩输出的多种联接结构，满足多种联接需要;箱体外形设计及底脚孔设置布局适应多种安装方式，通用性强。

2.双级蜗杆减速机

- 2.1 由单级蜗杆减速机组合而成，具有单级蜗杆减速机的一切优点，和获得大的传动比。
- 2.2 常用双级组合机型为: 25/30、25/40、30/40、30/50、30/63、40/75、40/90、50/110、63/130、63/150，用户若有殊要求时,可根据实际需要选择25、30、40、50、63、75、90、110、130、150作为组合单元另行组合。

3.安装注意事项

- 3.1 减速机须安装在平整坚固的底座上，底脚螺栓必须紧固、防震。
- 3.2 原动机--减速机--工作机的各联接轴伸，去装后必须互相准确对准轴线。
- 3.3 减速机输入端及输出端轴伸外径尺寸公差按h6制作，与之相匹配的联轴器、皮带轮、链轮等传动件内孔需按合适公差尺寸配置，避免装配过紧损坏轴承，装配过松影响正常的动力传递。
- 3.4 链轮、齿轮等传动件装上轴伸时，应尽量靠近轴承，以减少轴伸弯曲应力。
- 3.5 减速机装配电机时，应在蜗杆头部内孔孔壁及键槽处涂抹黄油，避免装配过紧，防止轴孔日久生锈。
- 3.6 使用各类电机直联型减速机时，若电机重量偏大，应设支撑装置。

4.使用注意事项

- 4.1 使用前应注意检查减速机型式结构、中心距规格、传动比、输入轴连接方式、输出轴结构、输入轴输出轴轴指向和回转方向等是否符合使用要求,蜗杆输入转速不宜超过1500r/min。
- 4.2 开机时应逐步施加载荷,不能满载启动。
- 4.3 型号25-90减速机设有加油孔和放油孔，出厂时减速机内已加好ISO Vg320 润滑油，用户无需再加油,机器连续运转的500小时后, 应该更换润滑油。以后换油周期为6000小时。
- 4.4 型号110-150减速机设有加油孔、放油孔和油标，减速机内已加好ISO VG460矿物润滑油，用户在使用前须拉掉通气器上橡胶环。首次运行400小时后换注新油，以后每隔约4000小时换油一次。
- 4.5 减速机允许最高油温为85℃，超过时应停机检查。
- 4.6 若减速机在使用前已放置时间超过4-6个月，而油封又未浸入润滑油中，推荐更换油封。
- 4.7 若减速机使用环境温度超出或低于表中规定使用环境温度5℃以上，请与我公司人员联系。

油品润滑  
Lubricant

润滑油选用表 Lubrication oil chosen table

|                               |                              |                              |                  |
|-------------------------------|------------------------------|------------------------------|------------------|
| 减速机规格 Reducer size            | 25-90                        | 110-150                      |                  |
| 润滑油类型 Type of lubrication oil | 合成润滑油Complex lubrication oil | 矿物润滑油Mineral lubrication oil |                  |
| 环境温度℃ Ambient temperature     | -25 ~ +50                    | -5 ~ +40                     | -15 ~ +25        |
| ISO VG                        | ISO VG 320                   | ISO VG 460                   | ISO VG 220       |
| AGIP                          | TELIUM VSF320                | BLASIA 460                   | BLASIA 220       |
| SHELL                         | TIVELA OIL Sc320             | OMALA OIL 460                | OMALA OIL 220    |
| ESSO                          | S220                         | SPARTAN EP460                | SPARTAN EP220    |
| MOBIL                         | GLYGOYLE 320                 | MOBIL GEAR 634               | MOBIL GEAR 630   |
| CASTROL                       | ALPHASYN PG320               | ALPHA MAX 460                | ALPHA MAX 220    |
| BP                            | ENERGOL SG-XP320             | ENERGOL GR-XP460             | ENERGOL GR-XP220 |

润滑油注油量( L ) Adding capacity of lubrication oil

| 规格 Type<br>安装型式<br>Installation | 025  | 030  | 040  | 050  | 063 | 075  | 090 | 110 | 130 | 150 |
|---------------------------------|------|------|------|------|-----|------|-----|-----|-----|-----|
| B3                              | 0.02 | 0.04 | 0.08 | 0.15 | 0.3 | 0.55 | 1   | 3   | 4.5 | 7   |
| B6 B7                           |      |      |      |      |     |      |     | 2.5 | 3.5 | 5.4 |
| B8                              |      |      |      |      |     |      |     | 2.2 | 3.3 | 5.1 |
| V5                              |      |      |      |      |     |      |     | 3   | 4.5 | 7   |
| V6                              |      |      |      |      |     |      |     | 2.2 | 3.3 | 5.1 |



故障分析  
Malfunctions Analysis

| 故障情况<br>Fault Description                                             | 故障原因 Reasons                                                                                     | 解决办法 Solutions                                                                                                                             |
|-----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 过热<br>Overheating                                                     | 原动力、减速机、工作机连接不当<br>Improper connection among prime mover, reducer and the operation device       | 调整至适当位置，使三者相联轴线同轴<br>Adjust to proper position                                                                                             |
|                                                                       | 超负荷运转<br>Overloading                                                                             | 适当调整负荷<br>Adjust to proper load                                                                                                            |
|                                                                       | 油封过度磨擦<br>Over Friction of oil seals                                                             | 在油封唇口处滴润滑油<br>Drop lubricant at oil seal                                                                                                   |
|                                                                       | ☆ 润滑油过少或过多<br>☆ Lubricant oil over much or shortage                                              | 按注油方式或调整油量<br>Adjust to proper oil quantity as lubricant capacity table                                                                    |
|                                                                       | ☆ 润滑油杂质多或润滑性差<br>☆ Much impurity in oil or inferior oil                                          | 按润滑油选用表更换合适新油<br>Refill proper oil                                                                                                         |
| 振动<br>Vibration                                                       | 原动力、减速机、工作机固定不良<br>Prime mover, reducer and the operation device mount badly                     | 查出不良固定部件，正确紧固<br>Find out the bad place, tighten it                                                                                        |
|                                                                       | 蜗轮副齿面磨损或损伤<br>Tooth surface of worm gear sets worm-out or damaged                                | 更换蜗轮副(需要时本公司配合)<br>Replace worm gear sets (we will cooperate with you when necessary)                                                      |
|                                                                       | 轴承磨损<br>Bearing worn-out                                                                         | 更换轴承<br>Replace Bearing                                                                                                                    |
|                                                                       | 螺栓松脱<br>Bolt loose                                                                               | 紧固螺栓<br>Tighten Screw                                                                                                                      |
| 杂音<br>Noise                                                           | 原动机与减速机连接不当<br>Improper connection among prime mover, reducer and the operation device           | 原动机重新调整连接<br>Adjust to proper position                                                                                                     |
|                                                                       | 轴承损伤或间隙过大<br>Bearing damaged or too large clearance                                              | 更换轴承<br>Replace Bearing                                                                                                                    |
|                                                                       | 蜗轮副齿合不良<br>Worm gear sets mesh badly                                                             | 修整齿面或更换蜗轮副(请与本公司联系)<br>Mend tooth surface or replace worm gear sets (please contact to us)                                                 |
|                                                                       | ☆ 润滑油不足<br>☆ Lubricant oil shortage                                                              | 按注油方式或补加润滑油<br>Fill in adequate oil as lubricant capacity table                                                                            |
| 漏油<br>Oil leakage                                                     | 油封唇口磨损<br>Oil seal lip worn-out                                                                  | 更换油封<br>Replace oil seal                                                                                                                   |
|                                                                       | 油封档轴颈磨损<br>Shaft of oil seal area worn-out                                                       | 更换输入轴或带轮轴蜗轮<br>Replace input or output shaft with worm gear                                                                                |
|                                                                       | 放油螺塞未旋紧<br>Oil screw plug loose                                                                  | 螺纹处加密封胶，旋紧螺塞<br>Tighten oil screw plug                                                                                                     |
|                                                                       | 油标破损<br>Oil gauge damaged                                                                        | 更换油标<br>Replace oil gauge                                                                                                                  |
| 蜗轮副<br>齿面磨损过快<br>Tooth surface of worm gear sets abrade extra-quickly | 超负荷运转<br>Overload                                                                                | 调整至适当负荷<br>Adjust to proper loading                                                                                                        |
|                                                                       | ☆ 润滑油不符合要求<br>☆ Lubricant oil not according with requirement                                     | 更换合适的润滑油<br>Replace proper lubricant oil                                                                                                   |
|                                                                       | ☆ 润滑油不足<br>☆ Lubricant oil shortage                                                              | 按油标指示点加足润滑油<br>Fill adequate oil as indication                                                                                             |
|                                                                       | 未按规定适时换油，润滑油劣化<br>Not replacing lubricant oil in time according to requirement, oil deteriorates | 按规定要求适时更换润滑油<br>Replacing oil in time according to requirement                                                                             |
|                                                                       | 运转温度过高<br>Overheating while running                                                              | 1. 按“过热”故障处理<br>2. 采取合适措施，降低周边环境温度<br>1. Deal with it as "Overheating"<br>2. Adopting proper measures to make environment temperature fall |

注: 1. ☆ 为换油后出现的故障原因。  
2. 如果发生其他故障无法解决时，请随时与我们联系，以便提供咨询服务。  
Annotate: 1. ☆ Accorded after the lubricant changed.  
2. If other faults not listed above occur, Please contact with us at any moment, Our company will supply thorough consultation and service.

RW系列蜗轮蜗杆减速机





产品型号说明 Description of part number

**RW**   **063** - **F1** - **AS** - **50** - **B3**

1       2       3       4       5       6

|   |             |                                  |                                                                                |                                                                               |                    |                         |
|---|-------------|----------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------|--------------------|-------------------------|
| 1 | NMRW<br>NRW | 2 机座号<br>Bracket model<br>number | 3 F1 F2<br>无标识=不带法兰输出<br>No "F1" or "F2"<br>=without output<br>mounting flange | 4 AS AB VS<br>无标识=不带法兰输出<br>No "AS", "AB"<br>or "VS" =without<br>output shaft | 5 减速比<br>Ratio (i) | 6 安装型式<br>Mounting type |
|---|-------------|----------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------|--------------------|-------------------------|

安装型式 Mounting type

|    |    |    |
|----|----|----|
| B3 | B8 | V5 |
| B6 | B7 | V6 |

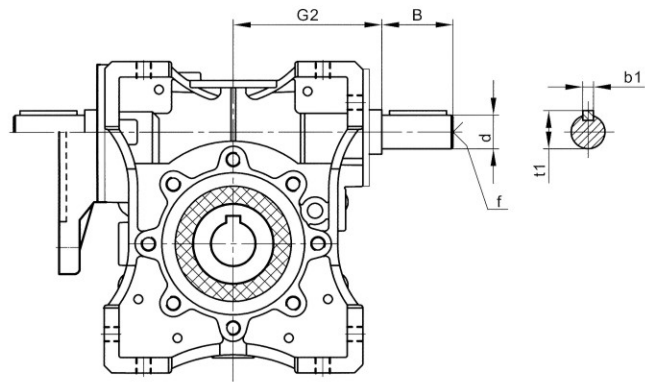
图表 Chart

|         |        |    |
|---------|--------|----|
| NMRW    | NRW    | F1 |
| NMRW-VS | NRW-VS | F2 |
| AS1     | AS2    | AB |



同向输出轴尺寸 Dimensions for double extension worm shaft

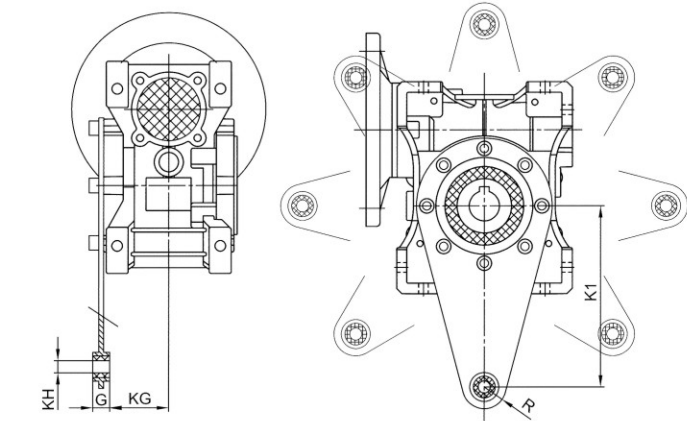
NRW-VS



|     | G2  | d  | B  | f   | b1 | t1   |
|-----|-----|----|----|-----|----|------|
| 030 | 45  | 9  | 20 | -   | 3  | 10.2 |
| 040 | 53  | 11 | 23 | -   | 4  | 12.5 |
| 050 | 64  | 14 | 30 | M6  | 5  | 16   |
| 063 | 75  | 19 | 40 | M6  | 6  | 21.5 |
| 075 | 90  | 24 | 50 | M8  | 8  | 27   |
| 090 | 108 | 24 | 50 | M8  | 8  | 27   |
| 110 | 135 | 28 | 60 | M10 | 8  | 31   |
| 130 | 155 | 30 | 80 | M10 | 8  | 33   |
| 150 | 175 | 35 | 80 | M12 | 10 | 38   |

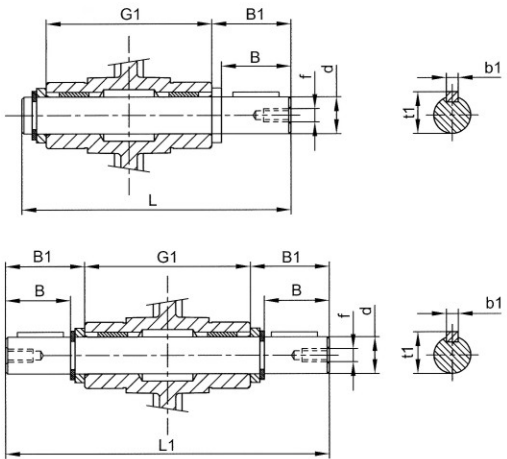
扭力臂尺寸 Sizes of torque arm

NMRW



|     | K1  | G  | KG   | KH | R  |
|-----|-----|----|------|----|----|
| 030 | 85  | 14 | 24   | 8  | 15 |
| 040 | 100 | 14 | 31.5 | 10 | 18 |
| 050 | 100 | 14 | 38.5 | 10 | 18 |
| 063 | 150 | 14 | 49   | 10 | 18 |
| 075 | 200 | 25 | 47.5 | 20 | 30 |
| 090 | 200 | 25 | 57.5 | 20 | 30 |
| 110 | 250 | 30 | 62   | 25 | 35 |
| 130 | 250 | 30 | 69   | 25 | 35 |
| 150 | 250 | 30 | 84   | 25 | 35 |

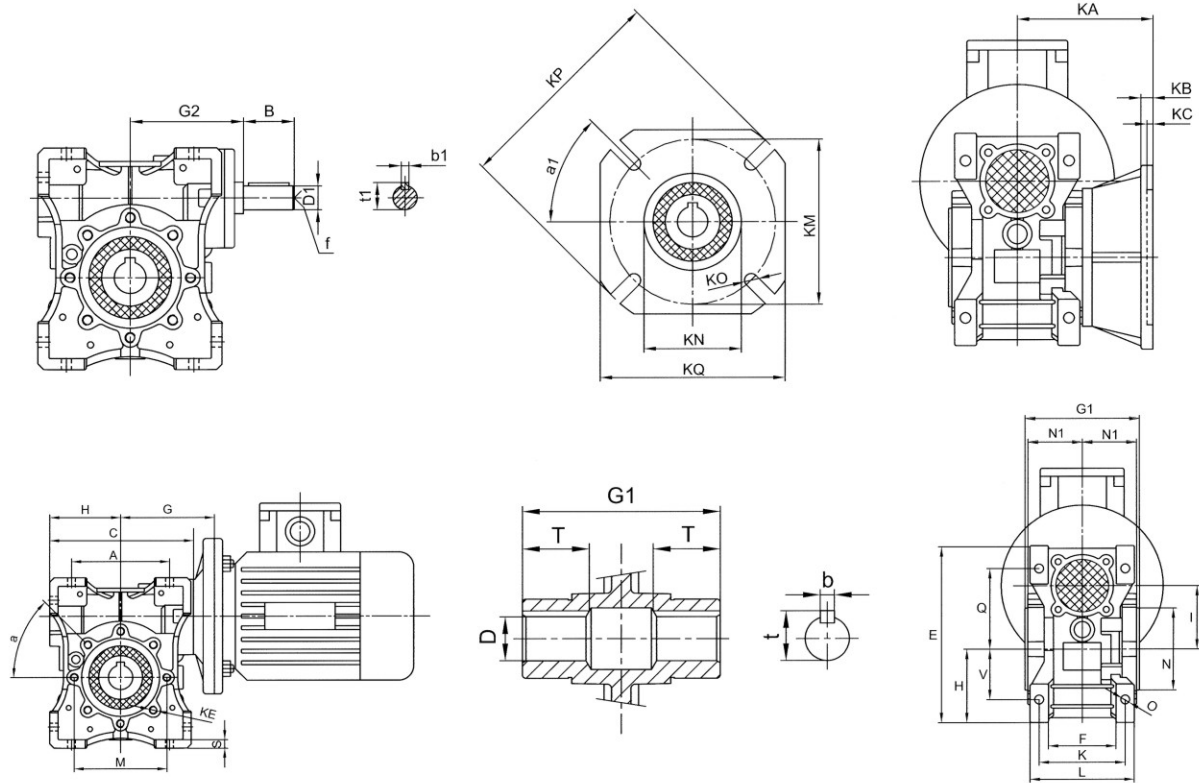
单向/双向输出轴尺寸 Single / double extension output shaft



|     | d    | B  | B1   | G1  | L   | L1  | f   | b1 | t1   |
|-----|------|----|------|-----|-----|-----|-----|----|------|
| 030 | 14h6 | 30 | 32.5 | 63  | 102 | 128 | M6  | 5  | 16   |
| 040 | 18h6 | 40 | 43   | 78  | 128 | 164 | M6  | 6  | 20.5 |
| 050 | 25h6 | 50 | 53.5 | 92  | 153 | 199 | M10 | 8  | 28   |
| 063 | 25h6 | 50 | 53.5 | 112 | 173 | 219 | M10 | 8  | 28   |
| 075 | 28h6 | 60 | 63.5 | 120 | 192 | 247 | M10 | 8  | 31   |
| 090 | 35h6 | 80 | 84.5 | 140 | 234 | 309 | M12 | 10 | 38   |
| 110 | 42h6 | 80 | 84.5 | 155 | 249 | 324 | M16 | 12 | 45   |
| 130 | 45h6 | 80 | 85   | 170 | 265 | 340 | M16 | 14 | 48.5 |
| 150 | 50h6 | 82 | 87   | 200 | 297 | 374 | M16 | 14 | 53.5 |

尺寸图 Reference dimensions

NRW-NMRW 030-150

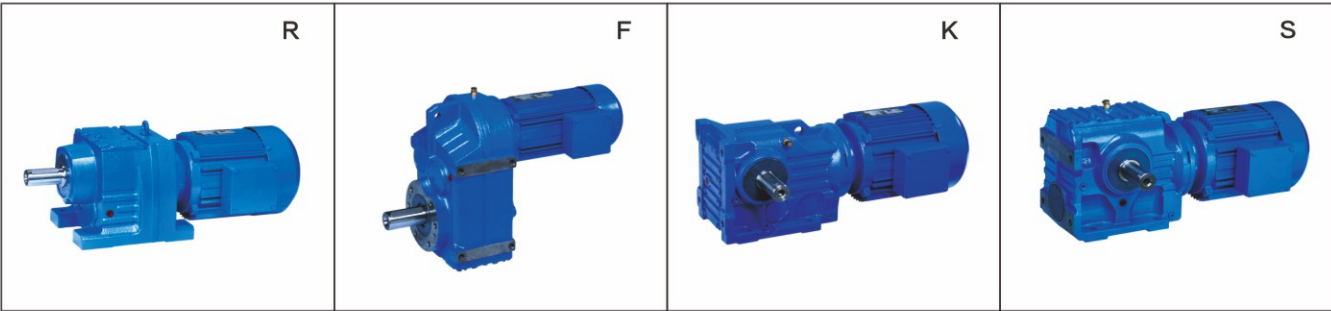




NRW / NMRW尺寸表 Dimensions for NRW / NMRW

|        | 030            | 040           | 050            | 063            | 075            | 090             | 110             | 130             | 150             |
|--------|----------------|---------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|
| A      | 54             | 70            | 80             | 100            | 120            | 140             | 170             | 200             | 240             |
| B      | 20             | 23            | 30             | 40             | 50             | 50              | 60              | 80              | 80              |
| B      | 80             | 100           | 120            | 144            | 172            | 206             | 252.5           | 292.5           | 340             |
| D(H8)  | 14             | 18            | 25             | 25             | 28             | 35              | 42              | 45              | 50              |
| D1(j6) | 9              | 11            | 14             | 19             | 24             | 24              | 28              | 30              | 35              |
| E      | 97             | 121.5         | 144            | 174            | 205            | 238             | 295             | 335             | 400             |
| F      | 32             | 43            | 49             | 67             | 72             | 74              | —               | —               | —               |
| G      | 55             | 70            | 80             | 95             | 112.5          | 129.5           | 160             | 180             | 210             |
| G1     | 63             | 78            | 92             | 112            | 120            | 140             | 155             | 170             | 200             |
| G2     | 51             | 60            | 74             | 90             | 105            | 125             | 142             | 162             | 195             |
| H      | 40             | 50            | 60             | 72             | 86             | 103             | 127.5           | 147.5           | 170             |
| I      | 30             | 40            | 50             | 63             | 75             | 90              | 110             | 130             | 150             |
| L      | 56             | 71            | 85             | 103            | 112            | 130             | 144             | 155             | 185             |
| M      | 65             | 75            | 85             | 95             | 115            | 130             | 165             | 215             | 215             |
| N(h8)  | 55             | 60            | 70             | 80             | 95             | 110             | 130             | 180             | 180             |
| N1     | 29             | 36.5          | 43.5           | 53             | 57             | 67              | 74              | 81              | 96              |
| O      | 6.5            | 6.5           | 8.5            | 8.5            | 11             | 13              | 14              | 16              | 18              |
| Q      | 44             | 55            | 64             | 80             | 93             | 102             | 125             | 140             | 180             |
| S      | 5.5            | 6.5           | 7              | 8              | 10             | 11              | 14              | 15              | 18              |
| T      | 21             | 26            | 30             | 36             | 40             | 45              | 50              | 60              | 72.5            |
| V      | 27             | 35            | 40             | 50             | 60             | 70              | 85              | 100             | 120             |
| K      | 44             | 60            | 70             | 85             | 90             | 100             | 115             | 120             | 145             |
| KE     | M6X11<br>{n=4} | M6X8<br>{n=4} | M6X10<br>{n=4} | M8X14<br>{n=8} | M8X14<br>{n=8} | M10X18<br>{n=8} | M10X18<br>{n=8} | M12X21<br>{n=8} | M12X21<br>{n=8} |
| a      | 0              | 45°           | 45°            | 45°            | 45°            | 45°             | 45°             | 45°             | 45°             |
| KA     | 54.5           | 67            | 90             | 112            | 111            | 111             | 131             | 140             | 155             |
| KB     | 6              | 7             | 9              | 10             | 13             | 13              | 15              | 15              | 15              |
| KC     | 4              | 4             | 5              | 6              | 6              | 6               | 6               | 6               | 6               |
| a1     | 45°            | 45°           | 45°            | 45°            | 45°            | 45°             | 45°             | —               | —               |
| KM     | 68             | 80            | 90             | 150            | 165            | 175             | 230             | 255             | 255             |
| KN(H8) | 50             | 60            | 70             | 115            | 130            | 152             | 170             | 180             | 180             |
| KO     | 6.5(n.4)       | 9(n.4)        | 11(n.4)        | 11(n.4)        | 14(n.4)        | 14(n.4)         | 14(n.8)         | 16(n.8)         | 16(n.8)         |
| KP     | 80             | 110           | 125            | 180            | 200            | 210             | 280             | 320             | 320             |
| KQ     | 70             | 95            | 110            | 142            | 170            | 200             | 260             | 290             | 290             |
| b      | 5              | 6             | 8              | 8              | 8              | 10              | 12              | 14              | 14              |
| b1     | 3              | 4             | 5              | 6              | 8              | 8               | 8               | 8               | 10              |
| f      | —              | —             | M6             | M6             | M8             | M8              | M10             | M10             | M12             |
| t      | 16.3           | 20.8          | 28.3           | 28.3           | 31.3           | 38.3            | 45.3            | 48.8            | 53.5            |
| t1     | 10.2           | 12.5          | 16             | 21.5           | 27             | 27              | 31              | 33              | 38              |

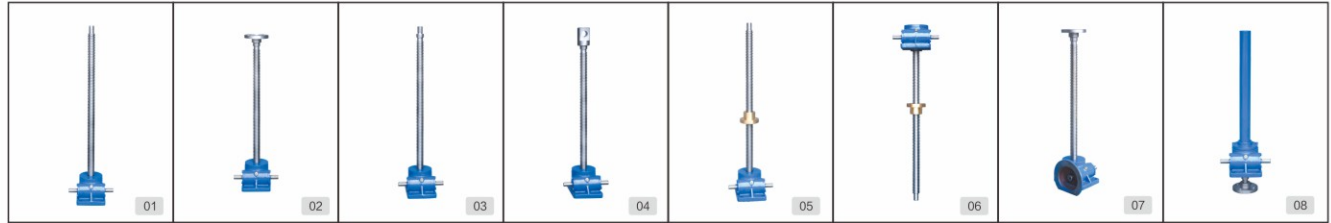
齿轮减速电机 / Gearmotors



WP系列蜗轮蜗杆减速机 / WP Series Worm Gear Speed Reducer



SWL系列蜗轮丝杆升降机 / SWL Series Worm Gear Screw Jack



HK系列蜗轮丝杆升降机 / HK Series Worm Gear Screw Jack

