

MINPEAR®

MINPEAR®

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蜗 轮 减 速 机



东莞市明牌传动设备有限公司
Dongguan Minpear Transmission Equipment Co., LTD.

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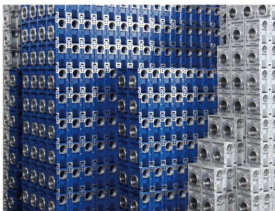
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WORKSHOP 生产车间

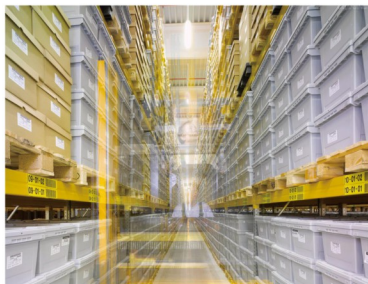
每一道工序，要求精益求精
Perfection in Every Little Step & Process.





WAREHOUSE 产品仓库

井然有序 蓄势待发
We are Always Prepared and
Ready to Produce



产品概述 / PRODUCTS OVERVIEW

产品特点

NMRV系列蜗轮蜗杆减速机具有以下一些主要特点：

1. 优质铝合金铸造，重量轻，不生锈；
2. 输出扭矩大；
3. 传动平稳，噪音小，适合在恶劣环境中长期连续工作；
4. 散热效率高；
5. 美观耐用，体积小；
6. 可适应全方位安装。

主要材料

1. 外壳：铝合金（机座：025 - 090），铸铁（机座：110 - 150）；
2. 蜗杆：20Cr，渗碳淬火，齿面硬度56 - 62HRC，精磨后保持渗碳层厚度0.3 - 0.5mm；
3. 蜗轮：耐磨锡青铜。

表面涂装

- 铝合金外壳：
1. 先抛丸处理，再经特种防腐处理，保持银白金属感，并耐汽油、二甲苯等有机溶剂的腐蚀；
 2. 磷化处理后，再喷RAL5010蓝色或银白色涂料。

铸铁外壳：先涂红色防锈漆，后喷涂RAL5010蓝色涂料。

PRODUCTS CHARACTERISTICS

NMRV series worm gear units is a new-generation of product developed by our company on the basis of perfecting WJ series products with a compromise of advanced technology both at home and abroad. Its main features are as follows:

1. Made of high-quality aluminum alloy, light weight and non-rusting.
2. Large output torque.
3. Smooth in running and low in noise, can work long time in dreadful conditions.
4. High in radiating efficiency.
5. Good-looking in appearance, durable in service life and small in volume.
6. Suitable for omnibearing installation.

MAIN MATERIALS

1. Housing: die-cast aluminum alloy(frame size 025 to 090);cast iron(frame size:110 to 150);
2. Worm: 20Cr, carburize&quencher heat treatment make the hardness of gear's surface up to 56-62HRC,retain carburation layer's thickness between 0.3 and 0.5mm after precise grinding.
3. Worm wheel: wearable stannum bronze alloy.

SURFACE PAINTING

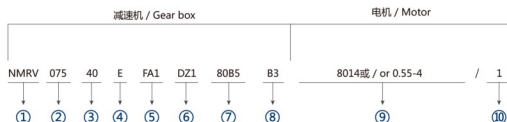
Aluminum alloy housing:

1. Shot blasting and special antiseptic treat-ment on the aluminum alloy surface.
2. After phosphating, paint with RAL5010 blue or silvery white paint.

Cast iron housing: First paint with red antirust paint, then paint white RAL5010 blue or silvery white paint.

型号说明 / MODEL ILLUMINATE

NMRV/NRV 蜗轮蜗杆减速机与减速机
WORM GEARED MOTOS AND WORM GEAR UNITS



NO	说明	Comments
1	型号代码: 1. RV孔输入带输入法兰 2. NRV输入不带输入法兰	Model code 1. RV Hole input with flange 2. NRV Shaft input without flange
2	蜗轮蜗杆减速机中心距 (规格)	Central distance of worm gear units(spec)
3	减速机速比 (i=5,7.5,10,15,20,25,30,40,50,60,80,100)	Speed ratio of reducer (i=5,7.5,10,15,20,25,30,40,50,60,80,100)
4	1. 无代号表示不带蜗杆同向尾出轴 2. E: 带蜗杆同向尾出轴	1. No mark means single extension worm shaft 2. E: Double extension worm shaft
5	1. 无代号表示不带输出法兰 2. FA,FB,FC,FD,FE(1/2)输出法兰号和位置	1. No mark means without output flange 2. FA,FB,FC,FD,FE(1/2)output Flange and position
6	1. 无代号表示孔输出 2. DZ1(1/2): 单轴同轴输出轴和位置 3. SZ: 双轴输出轴	1. No mark means hole output 2. DZ1(1/2):Single output shaft and position 3. SZ:Double output shaft
7	输入法兰规格型式 (不带电机时)	Normalized from of input flange(without motor)
8	安装方位代号	Installation position code
9	1. 无代号表示不带电机 2. 电机型号/功率, 极数	1. No mark means without motor 2. Model motors/poles of power)
10	电机接线盒位置, 默认位置1可以不写	Position diagram for motor terminal box default position 1 not to write out is ok.

选型相关参数 / RELEVANT PARAMETER

功率 P

$$P_1 = P_2 / \eta \text{ (kw)}$$

$$P_{1n} \geq P_1 \cdot f_s \text{ (kw)}$$

P₁: 输入功率
P₂: 输出功率
P_{1n}: 输入电机额定功率

f_s: 使用系数
η: 传动效率

在NMRV蜗轮蜗杆减速机选型表中, 这个功率P_{1n}是指在输入转速为n₁并且对应的使用系数f_s=1时, 减速机的安全输入功率, 单位kw.

传动效率η值是减速机经过足够长时间的磨合后计算得到的。磨合后在运转过程中, 表面温度下降并最终稳定。需要特别强调的样本中给定的额定转矩值M_{2n}应该考虑到传动效率η的关系。

Power P

$$P_1 = P_2 / \eta \text{ (kw)}$$

$$P_{1n} \geq P_1 \cdot f_s \text{ (kw)}$$

P₁: Input power
P₂: Output power
P_{1n}: Rated input motor power

f_s: Service factor
η: Transmission efficiency

The parameter can be found in the NMRV gear-box rating charts and represents the kw that can be safely transmitted to the gearbox, based on input speed n₁ and service factor f_s=1.

Values of η are calculated for gearboxes after a sufficiently in operation reduces and finally stabilizes. It may be worth high lighting that values of rated torque M_{2n} given in the catalogue take the transmission efficiency η into consideration.

转速 n

n₁: 减速机输入转速
n₂: 减速机输出转速

若是减速机外部传动装置驱动, 为了优化工作条件和提高使用寿命, 建议使用1400r/min或更低转速。

ROTATION SPEED N

n₁: Gear units input speed
n₂: Gear units output speed
If driven by the external gearing, 1400r/min or lower rotation speed is suggested so as to optimize the working conditions and prolong the service life.

传动比 i

$$i = n_1 / n_2$$

TRANSMISSION RATIO I

$$i = n_1 / n_2$$

扭矩 M

$$M_2 = 9550 \cdot P_1 \cdot \eta / n_2 \text{ (Nm)}$$

$$M_{2n} \geq M_2 \cdot f_s \text{ (Nm)}$$

M₂: 输出扭矩
M_{2n}: 额定输出扭矩
P₁: 输入功率
η: 传动效率
f_s: 使用系数

TORQUE M

$$M_2 = 9550 \cdot P_1 \cdot \eta / n_2 \text{ (Nm)}$$

$$M_{2n} \geq M_2 \cdot f_s \text{ (Nm)}$$

M₂: Output torque
M_{2n}: Rated output torque
P₁: Input power
η: Transmission efficiency
f_s: Service factor

选型相关参数 / RELEVANT PARAMETER

效率与自锁特性 / EFFICIENCY & IRREVERSIBILITY CHARACTER

效率是减速机一个重要参数。效率 η 的值取决于下列参数 1.蜗轮蜗杆的螺旋角; 2.输入转速; 3.蜗轮蜗杆的磨合时间; 4.油品、油封和轴承的性能。在第21页上的啮合参数列出了动态效率 ($\eta_n=1400$) 及静态效率参数。请注意, 这些参数是指减速机磨合后性能稳定的计算值。另外, 样本中规定的扭矩 M_{in} 也是减速机磨合性能稳定的计算值。上述的实际值可能会有上下偏差。

Efficiency is an important parameter of reducer. Efficiency η depends on the following parameters: 1. helix angle of gearing; 2. driving speed; 3. running-in of gearing; 4. The performance of oil, oil seal and bearing. The mesh data table on page 21 shows dynamic efficiency ($\eta_n=1400$) and static efficiency values. Remember that these values are only achieved after the unit has been run in. Torque values M_{in} indicated in the catalogue are calculated by considering the steady-state performance of the gearboxes. The actual values mentioned above may have deflection.

动态自锁

动态自锁是指当马达输入轴突然停止时, 输出轴能同步停止。此条件要求动态效率 $\eta_d < 0.5$ (参见第21页表格)

DYNAMIC IRREVERSIBILITY

Dynamic irreversibility is achieved when the output shaft stops instantly when drive is no longer transmitted through the worm shaft. This condition requires a dynamic efficiency of $\eta_d < 0.5$ (see table on page 21).

静态自锁

静态自锁是指当减速器处于静止状态时, 输出轴上的负载不能把蜗轮推动。此条件要求静态效率 $\eta_s < 0.5$ (参见第21页表格)

STATIC IRREVERSIBILITY

Static irreversibility is achieved when the gear reducer at a standstill, the application of load to the output shaft can't drive the worm shaft. This condition requires a static efficiency of $\eta_s < 0.5$ (see table on page 21).

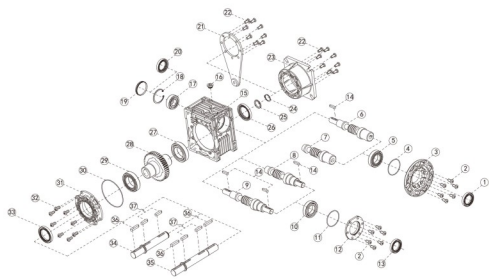
η_d	>0.6	0.5-0.6	0.4-0.5	<0.4
动态自锁效果	动态不自锁	动态自锁很低	动态自锁良好	动态自锁
Dynamic irreversibility	Dynamic reversibility	Low dynamic reversibility	Good dynamic irreversibility	Dynamic irreversibility

η_s	>0.55	0.5-0.55	<0.5
静态自锁效果	静态不自锁	静态自锁很低	静态自锁
Static irreversibility	Static reversibility	Low static reversibility	Static irreversibility

上述表格中所有参数只是供大概参考, 振动和冲击也会影响减速机的自锁功能。事实上要保证完全自锁是不可能的, 我们建议需要时安装外部的安全制动的装置。对于一个组合减速机自锁条件时, 必须考虑单级减速机的自锁功能效率。因为整体自锁功能为: $\eta_{tot} = \eta_1 \times \eta_2$ 。

The table shows approximate irreversibility classes. Vibrations and shocks can affect a gear reducer's irreversibility. As it is virtually impossible to provide and guarantee total non-reversing, we recommend the use of an external brake with sufficient capability to prevent vibrations in duced starting, where these circumstances are required. For the irreversibility conditions of a combined geared unit, one must consider that the efficiency of the group is given by the product of the efficiencies of each single reducer: $\eta_{tot} = \eta_1 \times \eta_2$.

NMRV结构分解图 / NMRV STRUCTURE DIAGRAM



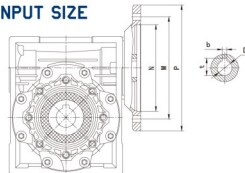
1 油封	11 O型橡胶密封圈	21 扭力臂	31 输出端盖
2 内六角圆柱头螺栓	12 轴承盖	22 内六角圆柱头螺栓	32 内六角圆柱头螺栓
3 电机法兰	13 油封	23 输出法兰	33 油封
4 O型橡胶密封圈	14 罩盖	24 轴用弹性挡圈	34 蜗轮的输出轴
5 轴承	15 蜗轮	25 挡圈	35 双向输出轴
6 孔输入轴输入蜗杆	16 油封	26 油封	36 平键
7 孔输入蜗杆	17 蜗轮	27 蜗轮	37 平键
8 轴输入蜗杆	18 孔用弹性挡圈	28 蜗轮	
9 双输入蜗杆	19 平面油封	29 蜗轮	
10 轴承	20 油封	30 O型橡胶密封圈	
1 Oil seal	11 O-ring	21 Torque arm	31 Bearing support cover
2 Hexagon socket head cap screw	12 Bearing block	22 Hexagon socket head cap screw	32 Hexagon socket head cap screw
3 Flange PAM	13 Oil seal	23 Output flange	33 Oil seal
4 O-ring	14 Parallel key	24 Circlip for shaft	34 Single output shaft
5 Bearing	15 Cabinet	25 Washer	35 Double output shaft
6 Double ext. RV Worm	16 Plug cock	26 Oil seal	36 Parallel key
7 PAM worm	17 Bearing	27 Bearing	37 Parallel key
8 RV worm	18 Circlip for hole	28 Worm wheel	
9 Double ext. RV worm	19 Oil seal	29 Bearing	
10 Bearing	20 Oil seal	30 O-ring	

减速机机台参数 / MESH DATA

NMRV	1	6	7.5	10	15	20	28	30	40	50	60	80	100
025	Z1	6	4	3	2	2	—	1	1	1	1	—	—
	γ	30° 58'	21° 48'	16° 42'	11° 19'	10° 53'	—	5° 43'	5° 29'	4° 34'	3° 23'	—	—
	m	1.25	1.25	1.25	1.25	1	—	1.25	1	1	0.8	0.65	—
	η ₀ (1400)	0.87	0.86	0.83	0.79	0.75	—	0.67	0.62	0.58	0.55	0.51	0.44
η _s	0.72	0.71	0.68	0.61	0.56	—	0.46	0.41	0.36	0.34	—	—	
030	Z1	6	4	3	2	2	1	1	1	1	1	1	—
	γ	29° 03'	20° 19'	15° 31'	10° 29'	5° 42'	6° 10'	5° 17'	2° 52'	3° 26'	2° 52'	1° 55'	—
	m	1.5	1.5	1.5	1.5	1	1.75	1.5	1	0.9	0.75	0.58	—
	η ₀ (1400)	0.87	0.85	0.82	0.77	0.73	0.68	0.65	0.59	0.55	0.51	0.44	—
η _s	0.72	0.67	0.63	0.55	0.5	0.43	0.39	0.35	0.31	0.27	0.23	—	
040	Z1	6	4	3	2	2	2	1	1	1	1	1	—
	γ	30° 58'	21° 48'	16° 42'	11° 19'	11° 19'	8° 08'	5° 43'	4° 05'	2° 52'	2° 52'	1° 29'	—
	m	2	2	2	2	1.6	1.25	2	1.6	1.25	1	0.8	0.65
	η ₀ (1400)	0.89	0.87	0.85	0.82	0.78	0.75	0.7	0.65	0.62	0.58	0.52	0.47
η _s	0.74	0.71	0.67	0.6	0.55	0.51	0.45	0.4	0.36	0.32	0.28	0.24	
050	Z1	4	4	3	2	2	2	1	1	1	1	1	—
	γ	23° 49'	21° 48'	16° 42'	11° 19'	11° 19'	9° 05'	5° 43'	5° 43'	4° 21'	2° 52'	2° 52'	2° 19'
	m	3.4	2.5	2.5	2.5	2	1.6	2.5	2	1.6	1.25	1	0.8
	η ₀ (1400)	0.89	0.88	0.86	0.82	0.79	0.76	0.72	0.67	0.63	0.59	0.53	0.49
η _s	0.74	0.7	0.66	0.59	0.55	0.51	0.44	0.39	0.35	0.32	0.27	0.23	
063	Z1	—	4	3	2	2	2	1	1	1	1	1	—
	γ	—	24° 31'	18° 53'	12° 51'	11° 19'	8° 45'	6° 30'	5° 43'	4° 24'	3° 03'	2° 52'	2° 12'
	m	—	3.25	3.25	3.25	2.5	2	3.25	2.5	2	1.6	1.25	1
	η ₀ (1400)	—	0.88	0.87	0.83	0.81	0.78	0.74	0.7	0.66	0.62	0.57	0.51
η _s	—	0.71	0.67	0.6	0.55	0.51	0.45	0.4	0.36	0.33	0.28	0.24	
075	Z1	—	4	3	2	2	2	1	1	1	1	1	—
	γ	—	28° 4'	21° 48'	14° 56'	11° 19'	7° 36'	5° 43'	5° 43'	3° 49'	4° 21'	2° 52'	2° 52'
	m	—	4	4	3	2.5	4	3	2.5	2	1.6	1.25	1
	η ₀ (1400)	—	0.89	0.88	0.85	0.82	0.80	0.76	0.72	0.69	0.65	0.60	0.55
η _s	—	0.71	0.68	0.61	0.57	0.53	0.46	0.42	0.38	0.35	0.29	0.26	
090	Z1	—	4	3	2	2	2	1	1	1	1	1	—
	γ	—	28° 04'	26° 34'	18° 26'	14° 02'	11° 19'	9° 28'	7° 08'	5° 43'	4° 46'	3° 53'	2° 52'
	m	—	4.8	5	3.75	3	5	3.75	3	2.5	1.9	1.5	1.5
	η ₀ (1400)	—	0.9	0.89	0.86	0.84	0.82	0.78	0.75	0.72	0.69	0.63	0.59
η _s	—	0.73	0.7	0.64	0.6	0.56	0.49	0.45	0.41	0.38	0.32	0.28	
110	Z1	—	4	3	2	2	2	1	1	1	1	1	—
	γ	—	28° 46'	22° 22'	15° 21'	14° 20'	14° 02'	7° 49'	7° 17'	7° 08'	5° 48'	4° 54'	3° 37'
	m	—	5.9	5.9	5.9	4.6	3.75	5.9	4.6	3.75	3.15	2.4	1.9
	η ₀ (1400)	—	0.9	0.89	0.86	0.85	0.84	0.79	0.75	0.72	0.67	0.63	0.63
η _s	—	0.72	0.69	0.63	0.62	0.59	0.48	0.44	0.41	0.36	0.32	0.28	
130	Z1	—	4	3	2	2	2	1	1	1	1	1	—
	γ	—	29° 15'	22° 47'	15° 39'	13° 42'	12° 24'	7° 58'	6° 07'	6° 17'	6° 07'	3° 56'	3° 41'
	m	—	7	7	7	5.4	4.4	7	5.4	4.4	3.75	2.75	2.25
	η ₀ (1400)	—	0.91	0.89	0.87	0.86	0.84	0.78	0.75	0.72	0.68	0.64	0.6
η _s	—	0.72	0.69	0.63	0.61	0.58	0.49	0.46	0.43	0.39	0.34	0.3	
150	Z1	—	6	4	3	2	2	2	1	1	1	1	—
	γ	—	29° 37'	24° 41'	15° 52'	12° 56'	11° 19'	9° 56'	6° 34'	5° 43'	5° 00'	3° 45'	2° 52'
	m	—	5.4	6.16	5.4	6.16	5	4.2	6.16	5	4.2	3.15	2.5
	η ₀ (1400)	—	0.91	0.9	0.88	0.86	0.84	0.83	0.78	0.76	0.73	0.68	0.64
η _s	—	0.73	0.71	0.66	0.6	0.57	0.54	0.45	0.42	0.39	0.33	0.29	

备注: i-速比, Z1-蜗杆头数; γ-导程角, m-模数, η₀动态效率, η_s静态效率。

减速机输入尺寸 / NMRV REDUCER INPUT SIZE

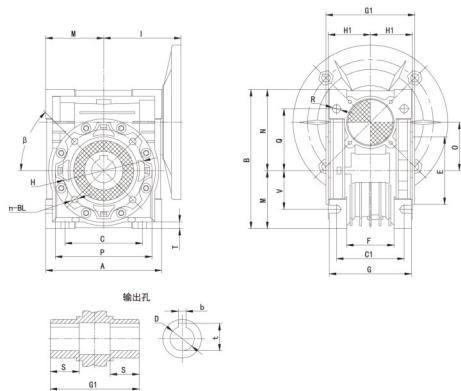


NMRV	PAM-IEC	输入轴直径 (mm)										轴径 (mm)									
		N	M	P	b	i	5	7.5	10	15	20	25	30	40	50	60	80	100			
025	56B14	50	65	80	3	10.4	9	9	9	9	9	9	9	9	9	9	9	9			
	56B14	50	65	80	3	10.4	9	9	9	9	9	9	9	9	9	9	9	9			
030	56B5	60	100	120	3	10.4	9	9	9	9	9	9	9	9	9	9	9	9			
	63B14	60	75	90	4	12.8	11	11	11	11	11	11	11	11	11	11	11	11			
040	56B5	80	100	120	3	10.4	/	/	/	/	/	/	/	/	/	/	/	/			
	63B14	60	75	90	4	12.8	11	11	11	11	11	11	11	11	11	11	11	11			
050	71B14	70	85	105	5	16.3	14	14	14	14	14	14	14	14	14	14	14	14			
	63B5	95	115	140	4	12.8	/	/	/	/	/	/	/	/	/	/	/	/			
063	71B14	70	85	105	5	16.3	14	14	14	14	14	14	14	14	14	14	14	14			
	80B14	80	100	120	6	21.8	19	19	19	19	19	19	19	19	19	19	19	19			
075	80B5	130	165	200	6	27.3	24	24	24	24	24	24	24	24	24	24	24	24			
	90B14	95	115	140	6	21.8	/	/	/	/	/	/	/	/	/	/	/	/			
090	100/112B14	110	130	160	8	31.3	28	28	28	28	28	28	28	28	28	28	28	28			
	100/112B5	180	215	250	6	21.8	/	/	/	/	/	/	/	/	/	/	/	/			
110	80B5	130	165	200	6	27.3	/	/	/	/	/	/	/	/	/	/	/	/			
	90B14	95	115	140	6	21.8	/	/	/	/	/	/	/	/	/	/	/	/			
130	100/112B5	180	215	250	8	31.3	/	/	/	/	/	/	/	/	/	/	/	/			
	132B5	230	265	300	10	41.3	/	/	/	/	/	/	/	/	/	/	/	/			
150	132B5	230	265	300	10	41.3	/	/	/	/	/	/	/	/	/	/	/	/			
	160B5	290	300	350	12	45.3	/	/	/	/	/	/	/	/	/	/	/	/			

RV产品介绍 / RV PRODUCT INTRODUCTION



RV尺寸 / RV SIZE

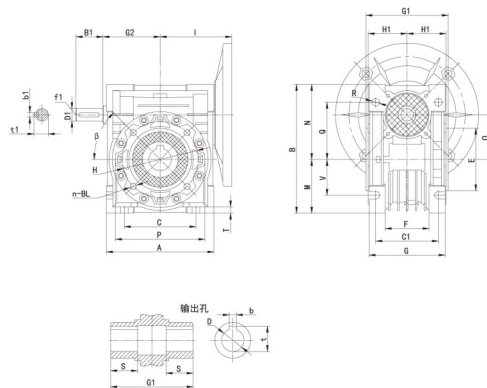


RV	A	B	C	C1	D	D1	E	F	G	G1	H	H1	I	K	R	O	F	S	R	S	T	TL	S	b	L	Y	
030	80	97	54	44	14	35	32	56	43	65	29	55	40	57	30	75	44	6.5	21	5.5	M8x10 (H=0)	0°	5	16.3	27		
040	100	121.5	70	60	18 (19)	40	43	71	78	75	36.5	70	50	71.5	40	87	55	6.5	26	6.5	M8x10 (H=0)	45°	6	20.8	21	35	
050	120	144	80	70	25 (24)	70	49	85	92	85	43.5	80	60	84	50	100	64	8.5	30	7	M8x12 (H=0)	45°	8	28.3	27	30	
063	144	174	100	85	25 (28)	80	67	103	112	95	53	95	72	102	63	110	80	8.5	36	8	M8x12 (H=0)	45°	8	28.3	31	50	
075	172	205	120	90	28 (35)	95	72	112	120	115	57	112.5	86	119	75	140	93	11	40	10	M8x14 (H=0)	45°	8	10	31	3 (38.3)	60
090	206	238	140	100	35 (38)	110	74	130	140	130	67	129.5	103	135	90	160	102	13	45	11	M10x16 (H=0)	45°	10	38.3	31	70	
110	255	295	170	115	42	130	-	144	155	165	74	160	127.5	167.5	110	200	125	14	50	14	M10x18 (H=0)	45°	12	45.3	85		
130	293	335	200	120	45	180	-	155	170	215	81	179	146.5	187.5	130	250	140	15	60	15	M12x20 (H=0)	45°	14	46.8	100		
150	340	400	240	145	50	180	-	185	200	215	95	210	170	230	150	250	180	18	72.5	18	M12x22 (H=0)	45°	14	53.8	120		

RV-E产品介绍 / RV-E PRODUCT INTRODUCTION



RV-E尺寸 / RV-E SIZE

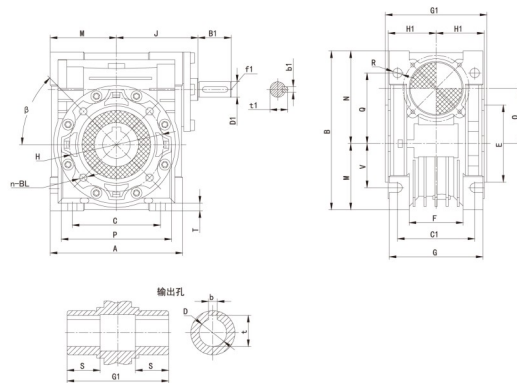


RV-E	A	B	B1	C	C1	D	D1	E	F	F1	G	G1	H	H1	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z			
030	80	97	20	54	44	14	9	55	32	56	63	45	65	29	55	40	57	30	75	44	6.5	21	5.5	M8X10(s=45)	0'	5	3	16.3	10.2	27					
040	100	121.5	23	70	60	18(19)	11	60	43	71	78	53	75	36.5	70	50	71.5	40	87	55	6.5	26	6.5	M8X10(s=45)	45'	6	4	20.8	12.1	31	12	35			
050	120	144	30	80	70	25(24)	14	70	49	85	92	64	85	43.5	80	60	84	50	100	64	8.5	30	7	M8X12(s=45)	45'	8	5	28.3	12.7	31	16	36	40		
060	144	174	40	100	85	35(28)	18	80	67	103	112	75	96	53	90	72	102	63	110	80	10.5	36	8	M8X12(s=45)	45'	8	6	38.3	13.7	31	18	40	50		
070	172	205	50	120	95	28(20)	24	95	72	112	120	90	115	57	112.5	86	119	76	140	93	11	40	10	M8X14(s=45)	45'	8-10	8	31.3	20.5	27	18	45			
090	206	238	50	140	100	35(28)	24	110	74	130	140	108	130	67	129.5	103	135	90	160	102	13	45	11	M10X16(s=45)	45'	10	8	38.3	14.1	31	23	18	70		
110	250	295	60	170	115	42	28	130	-	144	155	135	160	74	160	127.5	147.5	110	200	125	14	50	14	M10X18(s=45)	45'	12	8	45.3	3	18	10	85			
130	293	338	80	200	120	45	35	160	-	195	170	155	215	81	179	146.5	187.5	130	250	140	16	60	15	M12X20(s=45)	45'	14	8	48.8	33	18	110	100			
150	340	400	80	240	145	50	35	180	-	185	200	175	215	96	210	170	230	150	250	160	18	72.5	18	M12X22(s=45)	45'	14	10	53.8	38	18	112	100			

NRV产品介绍 / NRV PRODUCT INTRODUCTION



NRV尺寸 / NRV SIZE

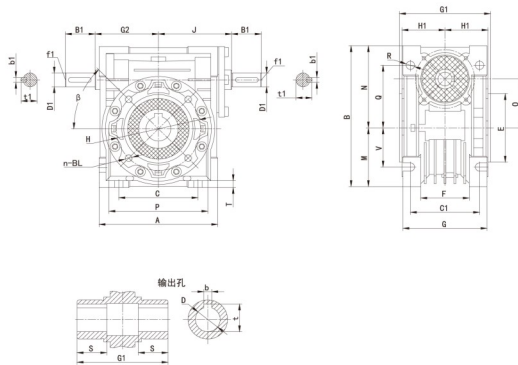


NRV	A	B	B1	C	C1	S140	S1140	S140	F	S	G1	H	H1	J	W	N	D	F	S	S1	S2	TL	β	β1	β2	γ	γ1	γ2	Y
130	80	97	20	54	44	14	9	55	32	56	43	65	39	51	40	57	30	75	44	6.5	21	6.5	M8X10 (H=40)	0°	5	3	16.3	10.2	27
040	100	121.5	23	70	60	18(19)	11	60	43	71	78	75	36.5	60	50	71.5	40	87	55	6.5	26	6.5	M8X10 (H=40)	45°	6	4	20.2(21.8)	12.5	35
050	120	144	30	80	70	25(24)	14	70	49	85	92	85	43.5	74	60	84	50	100	64	8.5	30	7	M8X12 (H=40)	45°	8	5	28.3(27.3)	16	40
060	144	174	40	100	85	29(28)	19	80	67	103	112	95	53	93	72	102	60	110	80	8.5	36	8	M8X12 (H=40)	45°	8	6	28.3(27.3)	21.5	46
075	172	205	50	120	90	28(26)	24	95	72	113	120	115	67	106	86	119	75	140	93	11	40	10	M8X14 (H=40)	45°	10	8	31.3(28.3)	27	60
090	206	238	60	140	100	30(28)	24	110	74	130	140	130	67	135	103	135	90	160	102	13	45	11	M10X16 (H=40)	45°	10	8	38.3(41.3)	27	70
110	250	295	80	170	115	42	28	130	144	165	165	74	142	127.5(167.5)	110	200	123	14	50	14	M10X18 (H=40)	45°	12	8	45.3	31	80	85	
130	293	335	80	200	120	45	30	180	150	170	215	81	162	146.5(187.5)	130	250	140	16	60	15	M12X20 (H=40)	45°	14	8	48.8	33	100	100	
150	340	400	80	240	145	50	35	180	185	200	215	96	195	170	230	150	250	180	18	72	15	M12X22 (H=40)	45°	14	10	53.6	38	112	120

NRV-E产品介绍 / NRV-EPRODUCT INTRODUCTION





NRV-E尺寸 / NRV-E SIZE





NRV-E	A	B	B1	C	C1	D	D1	D2	E	F	G	G1	H	H1	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z		
030	80	97	20	54	44	14	9	55	32	56	63	45	65	29	51	40	57	30	75	44	4.5	21	5.5	M8X10(s=40)	0°	5	3	16.3	10.2	27			
040	100	121.5	23	70	60	18(19)	11	60	43	71	78	53	75	36.5	60	50	71.5	40	87	55	4.5	26	6.5	M8X10(s=40)	45°	6	4	20.8(21.8)	12.5	35			
050	120	146	30	80	70	25(24)	14	70	49	85	92	64	85	43.5	74	60	84	50	100	64	6.5	30	7	M12(s=40)	45°	8	5	28.3(27.5)	16	46	40		
063	144	174	40	100	85	35(36)	19	80	67	100	112	75	95	53	90	72	102	60	110	80	8.5	36	9	M12(s=40)	45°	8	6	28.3(27.5)	16	46	50		
075	172	205	50	120	90	28(30)	24	95	72	112	125	90	115	57	105	86	119	75	145	93	11	40	10	M14(s=40)	45°	8(10)	8	31.3(28.5)	27	46	60		
090	200	238	60	140	100	35(36)	24	110	74	130	140	108	120	67	125	103	135	90	160	102	13	45	11	M16(s=40)	45°	10	8	36.3(41.5)	27	46	70		
110	235	295	80	170	115	42	28	130	—	144	155	135	165	74	142	127	167.5	110	200	125	14	50	14	M18(s=40)	45°	12	8	45.3	31	M10	85		
130	293	335	80	200	120	45	30	180	—	195	170	155	215	81	162	146.5	187.5	130	250	140	16	60	15	M20(s=40)	45°	14	8	48.6	33	M10	100		
150	340	400	80	240	145	50	35	180	—	185	200	175	215	96	195	170	230	150	250	160	18	72.5	18	M22(s=40)	45°	14	10	53.6	38	M12	120		



减速机选型表 / GEAR UNIT SELECTION TABLES

P_o (kw)	n_1 (r/min)	i	M_2 (Nm)	F_o (N)	f_s			
0.09	186.7	7.5	3.9	683	4.7	NMRV030 56B5/B14	5624	
	140	10	5.0	752	3.6			
	93.3	15	7.0	861	2.6			
	70	20	8.8	948	2.0			
	56	25	10	1021	2.1			
	46.7	30	12	1085	1.7			
	35	40	14	1194	1.2	NMRV040 56B5	5624	
	28	50	17	1286	1.0			
	23.3	60	18	1367	0.9			
	28	50	19	2475	2.1			
	23.3	60	21	2630	1.7			
	17.5	80	25	2895	1.3			
0.12	14	100	29	3118	1.0	NMRV025 56B14	5622	
	373.3	7.5	2.7	399	3.0			
	280	10	3.5	439	2.6			
	186.7	15	5.1	503	1.8			
	140	20	6.5	553	1.4			
	93.3	30	9.0	633	1.0			
	70	40	11	697	0.8	NMRV030 63B5/B14	6314	
	186.7	7.5	5.2	683	3.5			
	140	10	6.6	752	2.7			
	93.3	15	9.3	861	1.9			
	70	20	12	948	1.5			
	56	25	14	1021	1.6			
	46.7	30	16	1085	1.3	NMRV040 63B5/B14	6314	
	35	40	19	1194	0.9			
	28	50	22	1286	0.8			
	46.7	30	17	2087	2.7			
	35	40	21	2298	1.9			
	28	50	25	2475	1.6			
	0.18	23.3	60	28	2630	1.3	NMRV050 63B5	6314
		17.5	80	35	2895	1.0		
		14	100	38	3118	0.8		
		23.3	60	29	3610	2.3		
		17.5	80	35	3973	1.9		
		14	100	39	4280	1.4		
373.3		7.5	4.0	542	3.2	NMRV030 63B5/B14	6312	
280		10	5.2	597	2.5			
186.7		15	7.4	683	1.8			
140		20	9.5	752	1.3			
112		25	11	810	1.4			
93.3		30	13	861	1.2			
70		40	16	948	0.9	NMRV030 63B5/B14	6324	
186.7		7.5	7.7	683	2.3			
140		10	10	752	1.8			
93.3		15	14	861	1.3			
70		20	18	948	1.0			
56		25	20	1021	1.0			
46.7		30	24	1085	0.8			



减速机选型表 / GEAR UNIT SELECTION TABLES

P_o (kw)	n_1 (r/min)	i	M_2 (Nm)	F_o (N)	f_s		
0.18	93.3	30	14	1657	2.5	NMRV040 63B5/B14	6312
	70	40	17	1824	1.8		
	56	50	21	1964	1.4		
	70	20	19	1824	2.1		
	56	25	23	1964	1.7		
	46.7	30	25	2087	1.8		
	35	40	32	2298	1.3	NMRV040 63B5/B14	6324
	28	50	37	2475	1.0		
	23.3	60	42	2630	0.9		
	45	20	28	2113	1.6		
	36	25	34	2276	1.3		
	30	30	38	2419	1.3		
	22.5	40	47	2662	1.0	NMRV040 71B5/B14	7116
	46.7	60	24	2865	2.1		
	35	80	30	3153	1.5		
	28	100	34	3397	1.2		
	35	40	33	3153	2.3		
	28	50	39	3397	1.9		
	23.3	60	43	3610	1.6	NMRV050 63B5	6324
	17.5	80	52	3973	1.2		
	14	100	59	4280	0.9		
	18	50	56	3936	1.4		
	15	60	63	4183	1.1		
	11.3	80	75	4604	0.9		
15	60	66	5467	2.1	NMRV050 71B5/B14	7116	
11.3	80	79	6016	1.6			
9	100	96	6270	1.4			
373.3	7.5	5.6	542	2.3			
280	10	7.2	597	1.8			
186.7	15	10	683	1.3			
140	20	13	752	0.9	NMRV030 63B5/B14	6322	
112	25	15	810	1.0			
93.3	30	18	861	0.8			
186.7	7.5	11	1315	3.6			
140	10	14	1447	2.8			
93.3	15	20	1657	2.0			
70	20	26	1824	1.5	NMRV040 71B5/B14	7114	
56	25	32	1964	1.2			
46.7	30	35	2087	1.3			
35	40	44	2298	0.9			
120	7.5	17	1524	2.6			
90	10	22	1677	2.0			
60	15	31	1920	1.4	NMRV040 71B5/B14	7126	
45	20	39	2113	1.1			
36	25	48	2276	0.9			
30	30	53	2419	0.9			

减速机选型表 / GEAR UNIT SELECTION TABLES

P_n (kw)	r_0 (r/min)	i	M_2 (Nm)	F_r (N)	f_s					
0.25	35	80	42	3153	1.1	NMRV050	63B5/B14	6322		
	28	100	48	3397	0.8					
	70	20	27	2503	2.7					
	56	25	32	2696	2.2					
	46.7	30	36	2865	2.3					
	35	40	46	3153	1.7					
	28	50	54	3397	1.4	NMRV050	71B5/B14	7114		
	23.3	60	60	3610	1.1					
	17.5	80	72	3973	0.9					
	45	20	40	2900	1.9					
	36	25	48	3124	1.5					
	30	30	54	3320	1.7					
	22.5	40	67	3654	1.2	NMRV050	71B5/B14	7126		
	18	50	78	3936	1.0					
	15	60	88	4183	0.8					
	28	50	55	4440	2.4					
	23.3	60	63	4719	2.0					
	17.5	80	76	5193	1.6					
	14	100	87	5595	1.4	NMRV063	71B5/B14	7114		
	18	50	81	5145	1.8					
	15	60	92	5467	1.5					
	11.3	80	110	6018	1.2					
	9	100	125	6270	1.0					
	17.5	80	80	6130	2.4					
14	100	94	6603	1.9	NMRV075	71B5	7114			
11.3	80	117	7103	1.7						
9	100	133	7380	1.4						
373.3	7.5	8.3	1044	3.4				NMRV040	71B5/B14	7112
280	10	11	1149	2.6						
186.7	15	16	1315	1.9						
140	20	20	1447	1.4						
112	25	25	1559	1.1						
186.7	7.5	16	1315	2.5						
140	10	21	1447	1.9	NMRV040	71B5/B14	7124			
93.3	15	30	1657	1.3						
70	20	39	1824	1.0						
56	25	47	1964	0.8						
46.7	30	52	2087	0.9						
112	25	25	2140	2.0						
93.3	30	29	2274	2.2	NMRV050	71B5/B14	7112			
70	40	37	2503	1.6						
56	50	44	2696	1.2						
46.7	60	50	2865	1.0						
35	80	62	3153	0.7						
140	10	21	1987	3.4						
93.3	15	31	2274	2.4	NMRV050	71B5/B14	7124			
70	20	39	2503	1.9						

减速机选型表 / GEAR UNIT SELECTION TABLES

P_n (kw)	r_0 (r/min)	i	M_2 (Nm)	F_r (N)	f_s			
0.37	56	25	47	2696	1.5	NMRV050	71B5/B14	7124
	46.7	30	54	2865	1.6			
	35	40	68	3153	1.1			
	28	50	80	3397	0.9			
	23.3	60	89	3610	0.8			
	120	7.5	25	2091	3.4			
	90	10	33	2302	2.6	NMRV050	80B5/B14	8016
	60	15	47	2635	1.8			
	45	20	59	2900	1.3			
	36	25	72	3124	1.0			
	30	30	80	3320	1.1			
	35	40	70	4122	2.1			
	28	50	82	4440	1.6	NMRV063	71B5/B14	7124
	23.3	60	84	4719	1.4			
	17.5	80	113	5193	1.1			
	14	100	129	5595	0.9			
	45	20	60	3791	2.4			
	36	25	73	4084	1.9			
	30	30	82	4339	2.1	NMRV063	80B5/B14	8016
	22.5	40	102	4776	1.6			
	18	50	120	5145	1.2			
	15	60	137	5467	1.0			
	23.3	60	97	5569	2.1			
	17.5	80	119	6130	1.6			
14	100	139	6603	1.3	NMRV075	71B5	7124	
18	50	124	6073	1.8				
15	60	141	6453	1.5				
11.3	80	173	7103	1.2				
9	100	196	7380	1.0				
11.3	80	185	7859	1.7				
9	100	212	8180	1.3	NMRV090	80B5/B14	8016	
373.3	7.5	12	1044	2.3				
280	10	16	1149	1.8				
186.7	15	24	1315	1.3				
140	20	30	1447	1.0				
112	25	37	1559	0.8				
140	20	31	1987	1.7	NMRV050	71B5/B14	7122	
112	25	38	2140	1.4				
93.3	30	43	2274	1.5				
70	40	55	2503	1.1				
56	50	65	2696	0.8				
46.7	60	74	2865	0.7				
186.7	7.5	24	1805	2.9	NMRV050	80B5/B14	8014	
140	10	32	1987	2.3				
93.3	15	46	2274	1.6				
70	20	59	2503	1.2				
56	25	70	2696	1.0				
46.7	30	80	2865	1.1				

减速机选型表 / GEAR UNIT SELECTION TABLES

P_n (kw)	n_1 (r/min)	i	M_n (Nm)	F_n (N)	t_s			
0.55	120	7.5	37	2091	2.3	NMRV050	80B5/B14	8026
	90	10	48	2302	1.7			
	80	15	69	2635	1.2			
	45	20	88	2900	0.9			
	70	40	56	3272	1.9			
	56	50	68	3524	1.5			
	46.7	60	78	3745	1.2	NMRV063	71B5/B14	7122
	35	80	96	4122	0.9			
	28	100	111	4440	0.7			
	70	20	60	3272	2.2			
	56	25	72	3524	1.8			
	46.7	30	82	3745	1.9			
	35	40	104	4122	1.4	NMRV063	80B5/B14	8014
	28	50	122	4440	1.1			
	23.3	60	140	4719	0.9			
	60	15	70	3444	2.2			
	45	20	90	3791	1.6			
	36	25	108	4084	1.3			
	30	30	123	4339	1.4	NMRV063	80B5/B14	8026
	22.5	40	152	4776	1.1			
	35	80	99	4865	1.3			
	28	100	116	5241	1.0			
	35	40	108	4865	2.0			
	28	50	128	5241	1.6			
	23.3	60	144	5589	1.4	NMRV075	71B5	7122
	17.5	80	177	6130	1.1			
	14	100	206	6603	0.9			
	30	30	124	5122	2.1			
	22.5	40	156	5637	1.5			
	18	50	184	6073	1.2			
15	60	210	6453	1.0	NMRV075	80B5/B14	8026	
17.5	80	189	6783	1.5				
14	100	221	7306	1.2				
18	50	196	6719	2.0				
15	60	224	7140	1.6				
11.3	80	275	7859	1.1				
9	100	315	8180	0.9	NMRV090	80B5/B14	8026	
17.5	80	201	8571	2.6				
14	100	236	9232	2.0				
11.3	80	294	9931	1.9				
9	100	344	10320	1.5				
						NMRV110	80B5	8014
						NMRV110	80B5	8026

减速机选型表 / GEAR UNIT SELECTION TABLES

P_n (kw)	n_1 (r/min)	i	M_n (Nm)	F_n (N)	t_s			
0.75	373.3	7.5	17	1433	3.0	NMRV050	80B5/B14	8012
	280	10	22	1577	2.4			
	186.7	15	31	1805	1.7			
	140	20	41	1987	1.3			
	112	25	49	2140	1.0			
	93.3	30	56	2274	1.1			
	280	5	23	1577	2.7	NMRV050	80B5/B14	8024
	186.7	7.5	33	1805	2.1			
	140	10	43	1987	1.7			
	93.3	15	62	2274	1.2			
	70	20	80	2503	0.9			
	140	20	43	2597	2.3			
	112	25	52	2797	1.8	NMRV063	80B5/B14	8012
	93.3	30	60	2973	2.0			
	70	40	77	3272	1.4			
	56	50	92	3524	1.1			
	46.7	60	106	3745	0.9			
	93.3	15	63	2973	2.2			
	70	20	82	3272	1.6	NMRV063	80B5/B14	8024
	56	25	98	3524	1.3			
	46.7	30	112	3745	1.4			
	35	40	141	4122	1.0			
	120	7.5	51	2734	2.9			
	90	10	67	3009	2.3			
	60	15	96	3444	1.6	NMRV063	90B5/B14	9056
	45	20	123	3791	1.2			
	36	25	147	4084	0.9			
	30	30	167	4339	1.0			
	46.7	60	107	4421	1.3			
	35	80	135	4865	1.0			
28	100	159	5241	0.8	NMRV075	80B5/B14	8024	
56	25	101	4160	2.0				
46.7	30	117	4421	2.0				
35	40	147	4865	1.5				
28	50	174	5241	1.2				
23.3	60	196	5569	1.0				
60	15	97	4065	2.4	NMRV075	90B5/B14	9056	
45	20	124	4474	1.9				
36	25	149	4820	1.4				
30	30	170	5122	1.5				
22.5	40	213	5637	1.1				
35	80	143	5383	1.6				
28	100	169	5799	1.2	NMRV090	80B5/B14	8012	
28	50	182	5799	1.9				
23.3	60	209	6163	1.5				
17.5	80	258	6783	1.1				
14	100	302	7306	0.9				

减速机型选型表 / GEAR UNIT SELECTION TABLES

P_n (kw)	n_1 (r/min)	i	M_n (Nm)	F_{t2} (N)	f_s				
0.75	30	30	179	5667	2.6	NMRV090	90BS/B14	90S6	
	22.5	40	226	6238	1.8				
	18	50	267	6719	1.5				
	15	60	306	7140	1.1				
	17.5	80	274	8571	1.9	NMRV110	80B5	80Z4	
	14	100	322	9232	1.5				
	15	60	325	9023	2.1	NMRV110	90B5	90S6	
	11.3	80	401	9931	1.4				
	9	100	470	10320	1.1				
	11.3	80	401	12989	2.1		NMRV130	90B5	90S6
	9	100	470	13500	1.7				
	1.1	373.3	7.5	25	1433	2.1	NMRV050	80B5/B14	80Z2
280		10	33	1577	1.7				
186.7		15	48	1805	1.2				
140		20	62	1987	0.9				
166.7		15	46	2359	2.1	NMRV063	80B5/B14	80Z2	
140		20	60	2597	1.6				
112		25	72	2797	1.2				
93.3		30	82	2973	1.4				
70		40	104	3272	1.0	NMRV063	90B5/B14	90L6	
120		7.5	75	2734	2.0				
90		10	98	3009	1.6				
60		15	140	3444	1.1				
45		20	180	3791	0.8	NMRV063	90B5/B14	90L4	
186.7		7.5	50	2359	2.6				
140		10	65	2597	2.0				
93.3		15	92	2973	1.5				
70		20	120	3272	1.1	NMRV075	80B5/B14	80Z2	
56		25	144	3524	0.9				
46.7		30	164	3745	1.0				
112		25	77	3302	2.0				
93.3		30	89	3509	1.9	NMRV075	90B5/B14	90L6	
70		40	114	3862	1.4				
56		50	137	4160	1.1				
46.7		60	158	4421	0.9				
90	10	98	3551	2.3	NMRV075	90B5/B14	90L4		
60	15	142	4065	1.7					
45	20	182	4474	1.3					
36	25	219	4820	1.0					
30	30	249	5122	1.0					

减速机型选型表 / GEAR UNIT SELECTION TABLES

P_n (kw)	n_1 (r/min)	i	M_n (Nm)	F_{t2} (N)	f_s				
1.1	93.3	15	95	3509	2.1	NMRV075	90B5/B14	90S4	
	70	20	122	3862	1.7				
	56	25	148	4160	1.3				
	46.7	30	171	4421	1.3				
	35	40	216	4865	1.0	NMRV090	80B5/B14	80Z2	
	35	80	210	5383	1.1				
	28	100	248	5799	0.8				
	36	25	228	5333	1.6				
	30	30	263	5667	1.8	NMRV090	90B5/B14	90L6	
	22.5	40	331	6238	1.2				
	18	50	391	6719	1.0				
	15	60	448	7140	0.8				
	35	40	222	5383	1.6	NMRV090	90B5/B14	90S4	
	28	50	266	5799	1.3				
	23.3	60	306	6163	1.0				
	22.5	40	345	7882	2.3				
	18	50	414	8491	1.8	NMRV110	90B5	90L6	
	15	60	476	9023	1.4				
	11.3	80	588	9931	1.0				
	28	50	278	7328	2.4				
	23.3	60	324	7787	1.9	NMRV110	90B5	90S4	
	17.5	80	402	8571	1.3				
	14	100	473	9232	1.0				
	11.3	80	588	12989	1.5		NMRV130	90B5	90L6
9	100	689	13500	1.1					
17.5	80	408	11210	2.1					
14	100	480	12076	1.5					
373.3	7.5	34	1433	1.5	NMRV050	80B5/B14	80Z2		
280	10	45	1577	1.2					
186.7	15	65	1805	0.9					
140	20	88	2597	1.5		NMRV063	90B5/B14	90L4	
93.3	15	126	2973	1.1					
70	20	164	3272	0.8					
373.3	7.5	35	1873	2.7	NMRV063		90B5/B14	90S2	
280	10	45	2061	2.2					
186.7	15	66	2359	1.6					
140	20	86	2597	1.2		NMRV063	90B5/B14	90S2	
115	25	105	2797	0.9					
93.3	30	120	2973	1.0					
120	7.5	103	3227	2.1	NMRV075		100B5/B14	100L6	
90	10	134	3551	1.7					
60	15	193	4065	1.2					
56	50	187	4160	1.3		NMRV075	90B5/B14	90S2	
46.7	60	215	4421	1.1					
140	10	89	3065	2.2					
93.3	15	129	3509	1.6	NMRV075		90B5/B14	90L4	
70	20	166	3862	1.3					
56	25	202	4160	1.0					

减速机选型表 / GEAR UNIT SELECTION TABLES

P_n (kw)	n_1 (r/min)	i	M_2 (Nm)	F_2 (N)	f_s			
1.5	46.7	30	233	4421	1.0	NMRV075 90B5/B14	90L4	
	280	10	45	2433	3.2		NMRV075 90B5/B14	90S2
	186.7	15	66	2785	2.3			
	140	20	86	3065	1.9			
	112	25	105	3302	1.4			
	93.3	30	121	3509	1.4			
	70	40	156	3862	1.1	NMRV090 100B5/B14		100L6
	90	10	137	3929	2.7			
	60	15	198	4498	2.1			
	45	20	258	4951	1.5			
	36	25	310	5333	1.2			
	30	30	358	5667	1.3		NMRV090 90B5/B14	90L4
	70	20	170	4273	2.1			
	56	25	207	4603	1.6			
	46.7	30	239	4891	1.7			
	35	40	303	5383	1.2			
	28	50	383	5799	0.9	NMRV090 90B5/B14		90L4
	23.3	60	417	6163	0.8			
	56	50	197	4603	1.3		NMRV090 90B5/B14	90S2
	46.7	60	227	4891	1.1			
	45	20	264	6256	2.7			NMRV110 100B5
	36	25	322	6739	2.4			
	30	30	363	7161	2.3			
	22.5	40	471	7682	1.7			
	18	50	565	8491	1.3			
	15	60	649	9023	1.1	NMRV110 90B5	90L4	
	35	40	315	6803	2.2			
	28	50	379	7328	1.7			
	23.3	60	442	7787	1.4			
	17.5	80	548	8571	0.9			
	46.7	60	236	6181	2.0		NMRV110 90B5	90S2
	35	80	299	6803	1.3			
	28	100	358	7328	1.0	NMRV130 100B5		100L6
	22.5	40	471	10309	2.3			
	18	50	565	11105	1.9			
	15	60	659	11801	1.4			
	11.3	80	802	12989	1.1			
	17.5	80	557	11210	1.5		NMRV130 90B5	90L4
	14	100	655	12076	1.1			
	373.3	7.5	51	1873	1.8	NMRV063 90B5/B14		90L2
	280	10	66	2061	1.5			
	186.7	15	97	2359	1.1		NMRV075 100B5/B14	100L1-4
	186.7	7.5	99	2785	1.9			
	140	10	131	3085	1.5			
	93.3	15	189	3509	1.1			
	373.3	7.5	50	2210	2.6	NMRV075 90B5/B14		90L2
	280	10	66	2433	2.2			
	186.7	15	97	2785	1.5			
140	20	126	3085	1.3				

减速机选型表 / GEAR UNIT SELECTION TABLES

P_n (kw)	n_1 (r/min)	i	M_2 (Nm)	F_2 (N)	f_s			
2.2	112	25	154	3302	1.0	NMRV075 100B5/B14	90L2	
	93.3	30	178	3509	1.0		NMRV090 100B5/B14	100L1-4
	186.7	7.5	100	3081	2.9			
	140	10	132	3391	2.3			
	93.3	15	191	3882	1.9			
	70	20	249	4273	1.4			
	56	25	304	4603	1.1	NMRV090 112B5/B14		112M6
	46.7	30	351	4891	1.2			
	120	7.5	154	3570	2.2			
	90	10	201	3929	1.8			
	60	15	291	4498	1.4			
	45	20	378	4951	1.0		NMRV090 90B5/B14	90L2
	140	20	129	3391	2.0			
	112	25	159	3653	1.6			
	93.3	30	185	3882	1.7			
	70	40	237	4273	1.2			
	56	50	289	4603	0.9	NMRV110 100B5		100L1-4
	70	20	255	5399	2.5			
	56	25	311	5816	2.2			
	46.7	30	356	6181	2.0			
	35	40	462	6803	1.5			
	28	50	555	7328	1.2		NMRV110 112B5	112M6
	23.3	60	648	7787	1.0			
	90	10	203	4965	3.5			
	60	15	294	5684	2.6			
	45	20	388	6256	1.9			
	36	25	473	6739	1.6	NMRV110 90B5		90L2
	30	30	532	7161	1.6			
	112	25	161	4616	3.1			
	93.3	30	187	4905	3.0			
	70	40	243	5399	2.2			
	56	50	296	5816	1.7		NMRV130 100B5	100L1-4
	46.7	60	347	6181	1.4			
	35	40	468	8897	2.2			
	28	50	563	9584	1.7			
	23.3	60	657	10185	1.4			
	17.5	80	816	11210	1.0	NMRV130 112B5		112M6
	36	25	473	8814	2.2			
	30	30	539	9366	2.2			
	22.5	40	691	10309	1.6			
	18	50	829	11105	1.3			
	15	60	966	11801	1.0		NMRV130 90B5	90L2
	35	80	444	8897	1.3			
	28	100	525	9684	1.0			
	28	50	570	13103	2.5	NMRV150 100B5		100L1-4
	23.3	60	657	13924	1.9			
	17.5	80	816	15325	1.4			
	14	100	960	16508	1.0			

减速机选型表 / GEAR UNIT SELECTION TABLES

P ₂ (kw)	n ₂ (r/min)	i	M ₂ (Nm)	F _r (Nm)	f _s		
3.0	373.3	7.5	68	2210	1.9	NMRV075 100B5/B14	100L2
	280	10	90	2433	1.6		
	186.7	7.5	135	2785	1.4		
	140	10	178	3065	1.1	NMRV075 100B5/B14	100L2-4
	93.3	15	258	3509	0.8		
	373.3	7.5	70	2446	3.0		
	280	10	92	2692	2.6	NMRV090 100B5/B14	100L2
	186.7	7.5	137	3081	2.1		
	140	10	180	3391	1.7		
	93.3	15	261	3882	1.4	NMRV090 100B5/B14	100L2-4
	70	20	340	4273	1.0		
	56	25	414	4603	0.8		
	46.7	30	479	4891	0.9	NMRV110 100B5	100L2-4
	93.3	15	264	4905	2.5		
	70	20	348	5399	1.9		
	56	25	425	5816	1.6	NMRV110 100B5	100L2-4
	46.7	30	485	6181	1.5		
	35	40	630	6803	1.1		
	28	50	757	7328	0.9	NMRV110 132B5	132S6
	120	7.5	210	4511	3.1		
	90	10	277	4965	2.6		
	60	15	401	5684	1.9	NMRV110 132B5	132S6
	45	20	528	6256	1.4		
	56	25	430	7607	2.2		
46.7	30	491	8084	2.1	NMRV130 100B5	100L2-4	
35	40	638	8897	1.6			
28	50	767	9584	1.3			
23.3	60	896	10185	1.0	NMRV130 132B5	132S6	
17.5	80	1113	11210	0.8			
90	10	277	6494	3.5			
60	15	406	7434	2.6	NMRV130 132B5	132S6	
45	20	528	8182	2.0			
36	25	645	8814	1.6			
30	30	735	9366	1.6	NMRV150 100B5	100L2-4	
22.5	40	942	10309	1.2			
28	50	778	15125	1.8			
23.3	60	896	13924	1.4	NMRV150 100B5	100L2-4	
17.5	80	1113	15325	1.0			
14.0	100	1310	16508	0.8			
4.0	373.3	7.5	91	2210	1.4	NMRV075 112B5/B14	112M2
	280	10	120	2433	1.2		
	186.7	7.5	180	2785	1.0	NMRV075 112B5/B14	112M4
	140	10	237	3065	0.8		
	373.3	7.5	93	2446	2.3	NMRV090 112B5/B14	112M2
	280	10	123	2692	1.9		
	186.7	7.5	182	3081	1.6	NMRV090 112B5	112M4
	140	10	240	3391	1.3		
	93.3	15	348	3882	1.0	NMRV090 112B5	112M4
	70	20	453	4273	0.8		

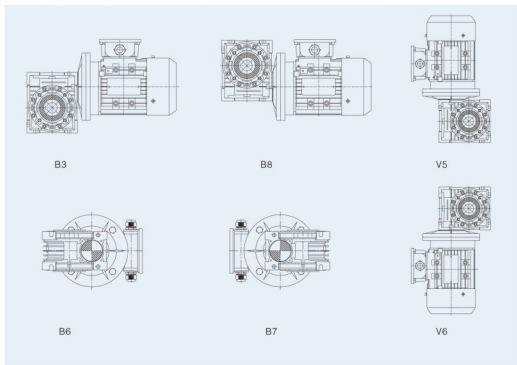
减速机选型表 / GEAR UNIT SELECTION TABLES

P ₂ (kw)	n ₂ (r/min)	i	M ₂ (Nm)	F _r (N)	f _s		
4.0	140	10	240	4285	2.5	NMRV110 112B5	112M4
	93.3	15	352	4905	1.9		
	70	20	464	5399	1.4		
	56	25	566	5816	1.2	NMRV110 132B5	132M1-6
	46.7	30	647	6181	1.1		
	120	7.5	280	4511	2.3		
	90	10	369	4965	1.9	NMRV110 132B5	132M1-6
	60	15	535	5684	1.4		
	56	25	573	7607	1.6		
	46.7	30	655	8084	1.6	NMRV130 112B5	112M4
	35	40	851	8897	1.2		
	28	50	1023	9584	1.0		
	23.3	60	1195	10185	0.8	NMRV130 132B5	132M1-6
	120	7.5	283	5901	3.1		
	90	10	369	6494	2.6		
	60	15	541	7434	2.0	NMRV130 132B5	132M1-6
	45	20	705	8182	1.5		
	36	25	860	8814	1.2		
	28	50	1037	13103	1.4	NMRV150 112B5	112M4
	23.3	60	1195	13924	1.1		
	17.5	80	1484	15325	0.8		
	186.7	7.5	250	3893	2.2	NMRV110 132B5	132S4
	140	10	330	4285	1.8		
	93.3	15	484	4905	1.4		
70	20	638	5399	1.0	NMRV130 132B5	132S4	
140	10	334	5605	2.5			
93.3	15	490	6416	1.9			
70	20	638	7062	1.4	NMRV130 132B5	132S4	
56	25	788	7607	1.2			
46.7	30	900	8084	1.2			
35	40	1171	8897	0.9	NMRV150 132B5	132S4	
70	20	645	9654	2.0			
56	25	788	10400	1.5			
46.7	30	934	11051	1.3	NMRV150 132B5	132S4	
35	40	1171	12163	1.3			
28	50	1426	13103	1.0			
23.3	60	1643	13924	0.8	NMRV110 132B5	132M4	
186.7	7.5	341	3893	1.6			
140	10	450	4285	1.3			
93.3	15	660	4905	1.0	NMRV130 132B5	132M4	
186.7	7.5	345	5092	2.2			
140	10	455	5605	1.8			
93.3	15	668	6416	1.4	NMRV130 132B5	132M4	
70	20	870	7062	1.0			
56	25	1074	7607	0.9			
46.7	30	1228	8084	0.8	NMRV150 132B5	132M4	
35	40	1596	8897	0.7			
70	20	880	9654	1.5			
56	25	1074	10400	1.1			

P_{out} (kw)	D_2 (mm)	i	M_2 (Nm)	F_{T1} (N)	f_s		
7.5	46.7	30	1274	11051	0.9	NMRV150 132B5	132M4
	35	40	1596	12163	1.0		
	186.7	7.5	512	6962	2.3		
11	140	10	675	7683	1.8	NMRV150 160B5	160M4
	93.3	15	990	8771	1.3		
	70.0	20	1291	9654	1.0		
	56.0	25	1576	10400	0.8		
	186.7	7.5	698	8962	1.7		
15	140	10	921	7683	1.3	NMRV150 160B5	160L4
	93.3	15	1351	8771	0.9		
	70.0	20	1760	9654	0.7		

减速机安装方位 / GEAR BOX INSTALLATION POSITION

NMRV与电机安装方位 / NMRV AND MOTOR MOUNTING POSITION



注: 如在订货时无特别说明, 将按B3安装方式供货。
Note: if there is no special instructions to B3 standards for installation.

NMRV配件系列 / NMRV ACCESSORIES SERIES

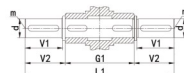
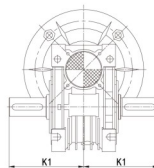
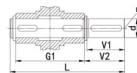
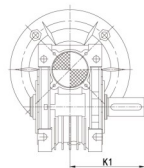
输出轴尺寸 / OUTPUT SHAFT SIZE



单向输出轴 (DZ)



双向输出轴 (D2)

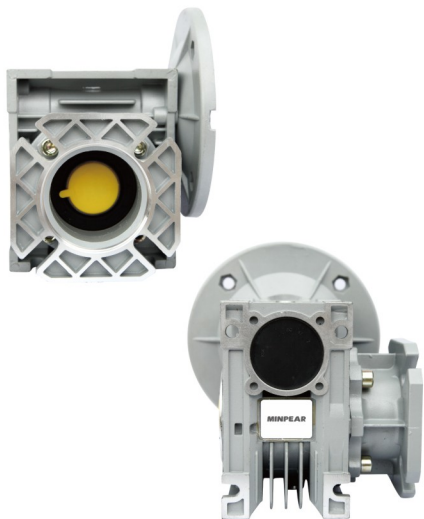


d
 b_2
 $1/2$

NMRV	G1	K1	L	L1	b2	G2	(G06)	m	V1	V2
030	63	64	102	128	5	16	14	M6	30	32.5
040	78	82	128	164	6	20.5	18	M6	40	43
050	92	99.5	153	199	8	28	25	M10	50	53.5
063	112	109.5	173	219	8	28	25	M10	50	53.5
075	120	123.5	192	247	8	31	28	M10	60	63.5
090	140	154.5	234	309	10	38	35	M12	80	84.5
110	155	162	249	324	12	45	42	M16	80	84.5
130	170	170	265	340	14	48.5	45	M16	80	85
150	200	187	297	374	14	53.5	50	M16	82	87

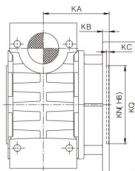
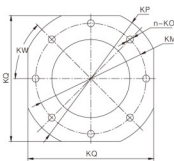
NMRV配件系列 / NMRV ACCESSORIES SERIES

输出法兰 (F) 尺寸 / OUTPUT FLANGE DIMENSIONS (F)



NMRV配件系列 / NMRV ACCESSORIES SERIES

输出法兰 (F) 尺寸 / OUTPUT FLANGE DIMENSIONS (F)



NMRV	030	040	050	063	075	090	110	130	150		
FA	KA	54.5	67	90	82	111	111	139	152	155	
	KB	6	7	9	10	13	13	15	15	15	
	KC	4	4	5	6	6	6	6	6	6	
	KN	50	60	70	115	130	152	170	180	180	
	KM	68	75	85	150	165	175	230	255	255	
	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	260	320	320	
	KQ	70	95	110	142	170	200	260	290	290	
	KW	45°	45°	45°	45°	45°	45°	45°	45°	22.5°	
	FB	KA	-	97	120	112	-	122	-	-	-
KB		-	7	9	10	-	16	-	-	-	
KC		-	4	5	6	-	6	-	-	-	
KN		-	60	70	115	-	180	-	-	-	
KM		-	75	85	150	-	215	-	-	-	
KO		-	9(n=4)	11(n=4)	11(n=4)	-	14(n=4)	-	-	-	
KP		-	110	125	180	-	240	-	-	-	
KQ		-	95	110	142	-	-	-	-	-	
KW		-	45°	45°	45°	-	45°	-	-	-	
FC		KA	-	80	89	98	-	110	-	-	-
	KB	-	9	10	10	-	17	-	-	-	
	KC	-	5	5	5	-	6	-	-	-	
	KN	-	95	110	130	-	130	-	-	-	
	KM	-	115	130	165	-	185	-	-	-	
	KO	-	9.5(n=4)	9.5(n=4)	11(n=4)	-	11(n=4)	-	-	-	
	KP	-	140	160	200	-	200	-	-	-	
	KW	-	45°	45°	45°	-	45°	-	-	-	
	FD	KA	-	58	72	107	-	151	-	-	-
		KB	-	12	14.5	10	-	13	-	-	-
KC		-	5	5	5	-	6	-	-	-	
KN		-	80	95	130	-	152	-	-	-	
KM		-	100	115	165	-	175	-	-	-	
KO		-	9(n=4)	11(n=4)	11(n=4)	-	14(n=4)	-	-	-	
KP		-	120	140	200	-	210	-	-	-	
KW		-	45°	45°	45°	-	45°	-	-	-	
FE		KA	-	-	-	80.5	-	-	-	-	-
		KB	-	-	-	5	-	-	-	-	-
	KC	-	-	-	5	-	-	-	-	-	
	KN	-	-	-	110	-	-	-	-	-	
	KM	-	-	-	130	-	-	-	-	-	
	KO	-	-	-	11(n=4)	-	-	-	-	-	

产品概述 / PRODUCTS OVERVIEW

UDL系列无级变速器的设计，融合了国内外的先进技术，产品具有以下特点：

1. 调整精度高：达0.5-1转。
2. 变速范围大，输出速比可在1:1.4至1:7之间任意变化。
3. 强度高，寿命长。
4. 调速方便。
5. 可连续工作运转，且可正反方向运转，运转平稳，性能稳定，噪音低。
6. 全密封，对环境要求低。
7. 机构紧凑，体积小。
8. 采取优质铝合金压铸成型，外形美观，重量轻，永不生锈。
9. 适应性好。UDL系列无级变速器可与各种减速机组合，实现低速无级变速。

UDL系列无级变速器可广泛应用于食品、包装、化工、制药、塑料、造纸、机床、交通以及各种需调速的自动生产线、输送线、装配流水线，是您机器上理想的伙伴。

The design of UDL series stepless speed variator comprises the advanced technology both at home and abroad. The products include the following main characteristics:

1. High speed precision: 0.5-1 shaft
2. High speed-changing range: The speed ratio ranges from 1:1.4 to 1:7 freely.
3. High in strength and long in service life.
4. Convenient to regulate the speed.
5. Continuous in running, front-to-back in running direction, smooth in driving, stable in performance and low in noise.
6. Full in sealing and suitable for any environment.
7. Compact in structure and small in volume.
8. Made of high-quality aluminium alloy diecast into forming, good-looking in appearance, light in weight and it never gets rusty.
9. Good in adaptation: UDL series stepless speed variators can be combined with all kinds of speed reducers, as to achieve low stepless speed-changing.

UDL series stepless speed variators are widely used for foodstuffs, packing, chemicals, pharmacy, plastics, paper-making, machine-tools, communications, and all kinds of automatic lines, pipelines and assembly lines which need speed regulation. It is a good companion for production.

型号说明 / MODEL ILLUMINATE

无级变速器 STEPLESS SPEED VARIATOR

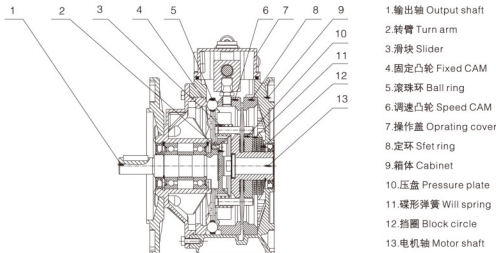


NO	说明	Comments
1	无级变速器代号	Code of stepless speed variator
2	L: 铝合金机壳 不标注时为铸铁机壳	L: Aluminium alloy casing No mark means cast iron casing
3	无级变速器机座号	Seat NO. of stepless speed variator
4	B3: 底脚安装机型 B5: 法兰安装机型	B3: Foot-mounted model B5: Flange-mounted position
5	电机功率	Motor power
6	电机接线位置, 默认位置1可以不写	Position diagram for motor terminal box default position 1 not to write out to code

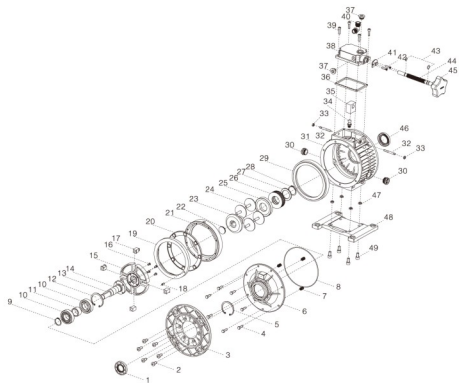
订单时请说明是否带电机，一般按不带电机供应。

When ordering, you should show whether the reducers are equipped with motors, otherwise reducers aren't supplied with motors.

结构 STRUCTURE



UDL结构分解图 / UDL STRUCTURE DIAGRAM

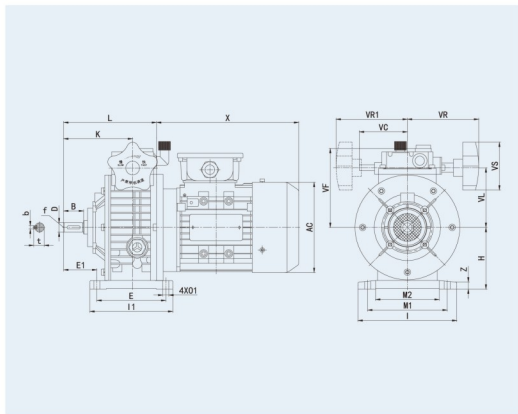


1	油封 (Oil seal)	11	轴承套圈 (Bearing every set of)	21	调速凸轮 (Speed CAM)	31	箱体 (Cabinet)	41	轴套 (Baffle)
2	六角圆柱头螺栓 (Hexagonal bolt)	12	孔用挡圈 (Hole block circle in)	22	平面油封 (Plane oil seal)	32	螺栓 (Bolt)	42	螺钉 (Screws)
3	输出法兰 (Output flanges)	13	衬套 (Parallel key)	23	主动轮 (Active wheel)	33	螺母 (Nut)	43	O型橡胶密封圈 (O-ring)
4	外六角圆柱头螺栓 (Hexagonal bolt)	14	输出轴 (Output shaft)	24	行星锥盘 (Planet cone-disk)	34	球头调速柄 (Ball head speed handle)	44	轴杆 (Screw)
5	孔用挡圈 (Hole block circle in)	15	转臂 (Turn arm)	25	压盘 (Pressure plate)	35	调速螺母 (Speed nuts)	45	调速柄 (Speed control handle)
6	输出端盖 (Output cover)	16	螺钉 (Screws)	26	锥形弹簧 (Wedge spring)	36	橡胶垫片 (Rubber gaskets)	46	油封 (Oil seal)
7	弹簧 (Spring)	17	滑块 (Slider)	27	挡圈 (Block circle)	37	油塞 (Oil plug)	47	螺母 (Nut)
8	O型橡胶密封圈 (O-ring)	18	弹性圆柱销 (Elastic cylindrical pin)	28	轴用挡圈 (Shaft block)	38	操作盖 (Operating cover)	48	底座 (Foot bottom)
9	轴用挡圈 (Shaft block)	19	固定凸轮 (Fixed CAM)	29	齿环 (Set ring)	39	内六角圆柱头螺栓 (Inch hexagonal bolt)	49	内六角圆柱头螺栓 (Inch hexagonal bolt)
10	轴承 (bearing)	20	滚珠环 (Ball ring)	30	润滑油 (Lubricating oil)	40	弯管 (Bent pipe)		

UDL-B3产品介绍 / UDL-B3 PRODUCT INTRODUCTION



UDL-B3尺寸 / UDL - B3 SIZE



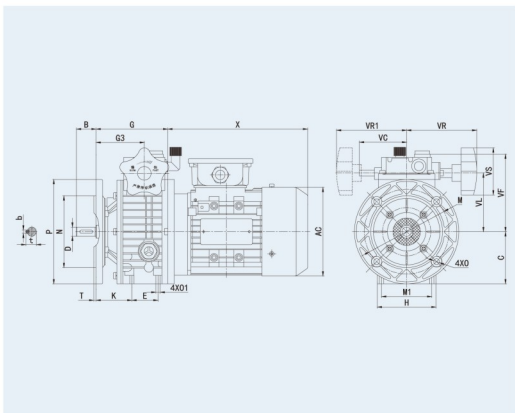
UDL-B3型机座安装形式 / UDL - B3 type frame installation form

TYPE	B	D	E	E1	X	I1	X	L	M1	M2	D1	VC	VF	VL	VS	VR	VS	VS	X	AC	Z		
UDL00283-0-18	23	11	100	80	80	140	120	87.5	135.5	110	71	111	78	110	110		4	12.5	194	120	10		
UDL00583-0-25	30	14	104	93	93	149	125	104	140	120	96	9	71	123	90	110	110	85	5	16	215	136	
UDL01083-0-37	40	19	125	113	113	190		125.5	179	160	135	11	79	140	107	120	120		6	21.5	247	155	15
UDL01583-0-55	50	24	140	123	123	241	150	165	238	180	143	12		144	122	150			27	260	260	175	18
UDL01883-0-75	60	28	230	150	150	300	270	191	268	245	190	14		188	150	160		110	8	31	323	195	25
UDL02083-1-1																							
UDL02083-1-5																							
UDL03083-2-2																							
UDL03083-2-0																							
UDL03083-4-0																							
UDL0583-5-5	70	38	250	200	200	360	290	201	319	315	245	18		192	194				10	41	395	256	30
UDL0683-7-5																							

UDL-B5产品介绍 / UDL - B5 PRODUCT INTRODUCTION



UDL-B5尺寸 / UDL - B5 SIZE



UDL-B5型机座安装形式 / UDL - B5 type frame installation form

TYPE	A	C	E(40)	E	G	G2	K	N	N1	O	P	T	X	VC	VL	VR	VR1	V	C	H	AC	
UDL00285-0.18	23	70	11	50	112.5	64.5	72	115	66	9	165	140	46	71	111	78	110	110	4	12.5	194	120
UDL00285-0.25	30	80	14	40	110	74	90	130	77	9	160	160	53	71	123	90	110	110	5	16	215	136
UDL00285-0.37	40	100	19	58	139	85.5	98	165	84	11	160	200	60	79	140	107	120	120	6	21.5	247	155
UDL01085-0.55	50	109	24	-	188	115	241	165	-	11	-	200	-	-	144	122	150	-	8	27	260	175
UDL00285-1.1	50	109	24	-	188	115	241	165	-	11	-	200	-	-	144	122	150	-	8	31	285	175
UDL00285-1.5	50	109	24	-	188	115	241	165	-	11	-	200	-	-	144	122	150	-	8	31	323	195
UDL00285-2.2	50	109	24	-	188	115	241	165	-	11	-	200	-	-	144	122	150	-	8	31	341	219
UDL00285-3.0	60	130	28	-	208	131	270	215	-	15	-	250	4	-	188	150	160	-	10	41	295	258
UDL00285-4.0	60	130	28	-	208	131	270	215	-	15	-	250	4	-	188	150	160	-	10	41	341	219
UDL00285-5.5	70	200	38	-	244	131	-	265	-	19	-	300	5	-	-	192	194	-	10	41	395	258
UDL00285-7.5	70	200	38	-	244	131	-	265	-	19	-	300	5	-	-	192	194	-	10	41	433	258

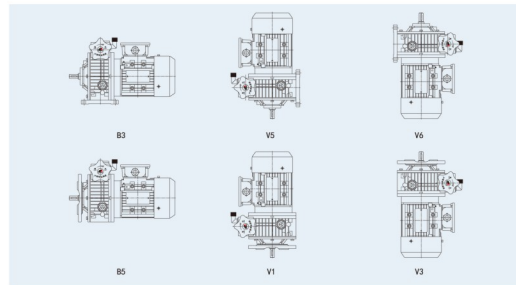
性能参数 / PERFORMANCE PARAMETER

UDL系列无级变速器性能参数

Performance table for udl series speed variator ($n_1=1400r/min$)

电机功率 Motor power	型号 Model	I	n_2 (r/min)	M_2 (Nm)
0.18KW	UDL002	1.6-8.2	880-170	1.5-3
0.25KW	UDL005	1.4-7	1000-200	2.2-6
0.37KW	UDL006	1.4-7	1000-200	3-6
0.55KW	UDL010	1.4-7	1000-200	4-8
0.75KW	UDL010	1.4-7	1000-200	5-12
1.1KW	UD020	1.4-7	1000-200	9-18
1.5KW	UD020	1.4-7	1000-200	12-24
2.2KW	UD030S	1.4-7	1000-200	18-36
3.0KW	UD030L	1.4-7	1000-200	24-48
4.0KW	UD030L	1.4-7	1000-200	32-64
5.5KW	UD050S	1.4-7	1000-200	45-90
7.5KW	UD050L	1.4-7	1000-200	59-118

UDL与NMRV安装方位 / UDL AND NMRV INSTALLATION POSITION



附件位置 / THE ATTACHMENT POSITION

手轮位置 THE POSITION OF THE HAND WHEEL

电机接线盒位置 MOTOR TERMINAL BOX POSITION

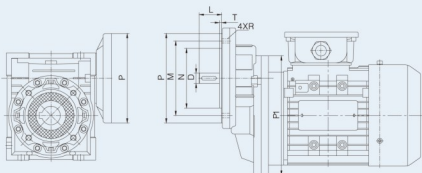


注:如没有特别说明,手轮按图位置1和电机接线盒方位的組合方式提供。
Note: if no special note, the hand/wheel will be in accordance with the figure 1 and B3 installation azimuth combination is provided.

产品介绍 / PRODUCT INTRODUCTION



PC接口尺寸 / PC CONNECTION SIZE



TYPE	D ₁ (H)	H ₁ (H)	M	L	P	P1	R	T	L
PC063	11(14)	70	85	2.93	105	140(6385)	M6	3	23
PC071	14(19)	80	100	2.94	120	160(7185)	M6		30
PC080	19(24/28)	110	130	3	160	200(8085)	M8		40
PC090	24(19/28)	110	130	2.45	160	200(8085)	M8		50

型号说明 / MODEL ILLUMINATE

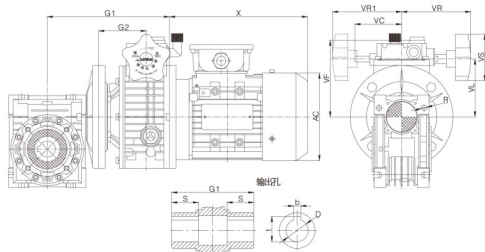
UDL-NMRV无极变速器与蜗轮蜗杆减速机组合 / COMBINATION OF STEPLESS SPEED VARIATOR AND WORM GEAR UNITS

UD	L	010	-	NMRV	063	--	40	E	FA1	DZ1	B3
①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫
NO	说明										Comments
1	无级变速器代号										Code of stepless speed variator
2	铝合金机壳, 不标记为铸钢机壳										Aluminum alloy housing, and no mark means cast iron casing
3	无级变速器机型号										Continuously variable transmission model
4	蜗轮蜗杆减速机代号										Code of worm gear units
5	蜗轮蜗杆减速机中心距 (规格)										Central distance of worm gear units(spec)
6	蜗轮蜗杆减速机速比										Speed ratio of worm gear units
7	1.无代号表示不带输出法兰 2.E: 带输出法兰										1.No mark means single extension worm shaft 2.E: Double extension worm shaft
8	1.无代号表示不带输出法兰 2.FA, FB, FC, FD, FE (1/2) : 输出法兰代号和位置										1.No mark means without output flange 2.FA, FB, FC, FD, FE (1/2) : Output flange and position
9	1.无代号表示孔输出 2.DZ1(1/2): 单侧输出轴和位置 3.DZ: 双侧输出轴										1.No mark means hole output 2.DZ1(1/2): Single output shaft and position 3.DZ: Double output shaft
10	安装方位代号										Installation position code

UDL+NMRV产品介绍 / UDL+NMRV DURING INTRODUCTION



UDL+NMRV尺寸 / UDL+NMRV SIZE



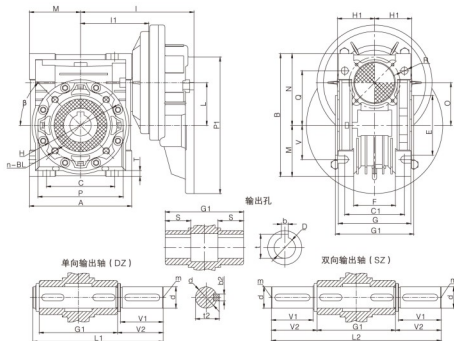
型号 (model)	D(H)	b	t	G1	G2	S	VF	VL	VR	VR1
UDL005-NMRV030	14	5	16.3	167.5	119.5	21	111	78	110	110
UDL005-NMRV040	16(19)	6	20.8(21.8)	182.5	134.5	26	111	78	110	110
UDL005-NMRV040				180	144		123	90	110	110
UDL002-NMRV050	25(24)	8	28.3(27.3)	192.5	144.5	30	111	78	110	110
UDL005-NMRV050				190	154		123	90	110	110
UDL005-NMRV063	25(26)	8	28.3(31.3)	205	169	36	123	90	110	110
UDL010-NMRV063				234	180.5		140	107	120	120
UDL005-NMRV075	28(35)	8(10)	31.3(38.3)	222.5	186.5	40	123	90	110	110
UDL010-NMRV075				251.5	198		140	107	120	120
UDQ05-NMRV075	35(38)	10	38.3(41.3)	300.5	227.5	45	144	122	150	-
UDL010-NMRV090				268.5	215		140	107	120	120
UDQ20-NMRV090	42	12	45.3	317.5	244.5	50	144	122	150	-
UDL010-NMRV110				299	245.5		140	107	120	120
UDQ20-NMRV110	45	14	48.8	348	275	60	144	122	150	-
UDQ30-NMRV110				368	291		188	150	160	-
UDQ20-NMRV130	45	14	48.8	368	295	60	144	122	150	-
UDQ30-NMRV130				388	311		188	150	160	-

注：1. NMRV的其它尺寸请参考24页
2. UDL的其它尺寸请参考57、59页
3. X、AC尺寸请参考94页

PC+NMRV产品介绍 / DURING INTRODUCTION PC+NMRV



PC+NMRV尺寸 / SIZE OF PC+NMRV



PC+NMRV	A	B	C	CI	CI1	CI2	CI3	F	G	G1	H	H1	T	M	L	U1	U2	M	N	O	P	PI	Q	R
063-040	100	121.5	70	60	18(19)	60	43	71	78	75	26.5	115	70	40	129	164	50	71.5	40	87	140	55	6.5	
063-050	120	144	80	70	25(24)	70	49	85	92	85	43.5	125	80	40	153	199	60	84.0	50	100	140	64	8.5	
063-063	144	174	100	85	25(28)	80	67	103	112	95	53.0	140	95	40	173	219	72	102	63	110	140	80	8.5	
071-050	120	144	80	70	25(24)	70	49	85	92	85	43.5	125	80	48	153	199	60	84.0	50	100	160	64	8.5	
071-063	144	174	100	85	25(28)	80	67	103	112	95	53.0	148	95	48	173	219	72	102	63	110	160	80	8.5	
071-075	172	205	120	90	28(35)	95	72	112	120	115	57.0	165.5	112.5	48	192	247	86	119	75	140	160	93	11	
071-090	206	238	140	100	35(38)	110	74	130	140	130	67.0	182.5	129.5	48	234	309	103	135	90	160	160	102	13	
080-075	172	205	120	90	28(35)	95	72	112	120	115	57.0	162	112.5	62	180	247	86	119	75	140	200	93	11	
080-090	206	238	140	100	35(38)	110	74	130	140	130	67.0	199	129.5	62	234	309	103	135	90	160	200	102	13	
080(090)-110	255	295	170	115	42	130	1	144	155	165	74.0	229.5	160	62	249	324	127.5	167.5	110	200	200	125	14	
080(090)-130	293	335	200	120	45	180	1	155	170	215	81.0	248.5	179	62	265	340	148.5	187.5	130	250	200	140	16	

PC-NMRV	S	T	BL	β	β	β2	t	t2	φ(t)	m	V	V1	V2
063-040	26	6.5	M8XR(=4)	45°	6(6)	6	20.8(21.8)	20.5	18	M6	35	40	43.0
063-050	30	7	M8XR(=4)	45°	8(8)	8	28.3(27.3)	28.0	25	M10	40	50	53.5
063-063	36	8	M8X14(=8)	45°	8(8)	8	28.3(31.3)	28.0	25	M10	50	50	53.5
071-050	30	7	M8X10(=4)	45°	8(8)	8	28.3(27.3)	28.0	25	M10	40	50	53.5
071-063	36	8	M8X14(=8)	45°	8(8)	8	28.3(31.3)	28.0	25	M10	50	50	53.5
071-075	40	10	M8X14(=8)	45°	8(10)	8	31.3(38.3)	31.0	28	M10	60	60	63.5
071-090	45	11	M10X18(=8)	45°	10(10)	10	38.3(41.3)	38.0	35	M12	70	80	84.5
080-075	40	10	M8X14(=8)	45°	8(10)	8	31.3(38.3)	31.0	28	M10	60	60	63.5
080-090	45	11	M10X18(=8)	45°	10(10)	10	38.3(41.3)	38.0	35	M12	70	80	84.5
080(090)-110	50	14	M10X18(=8)	45°	12	12	45.3	48.5	42	M16	85	80	84.5
080(090)-130	60	15	M12X21(=8)	45°	14	14	48.8	53.5	45	M16	100	80	84.0

