



## Contact

YIDING GEAR SPEED REDUCER

蜗轮蜗杆系列工厂 / Worm Gear Reducer Series Factory

### 杭州一鼎传动机械有限公司

Hangzhou Yiding Transmission Machinery Co.,Ltd.

地址: 浙江省杭州市萧山区靖江街道协议村

Add: Xieyi Village, Jingjiang Town, Xiaoshan, Hangzhou, Zhejiang

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网址/Http://www.yd-reducer.com 邮箱/E-mail: sales@yd-reducer.com

四大系列工厂 / Gear Reducer Series Factory

### 杭州一鼎华微传动设备有限公司

Hangzhou Yiding Huawei Transmission Equipment Co., Ltd.

地址: 浙江省杭州市钱塘区河庄街道建设村工业区

Add: Jianshe Village, Hezhuang Town, Qiantang, Hangzhou, Zhejiang

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精密行星系列工厂 / Precision Planetary Reducer Series Factory

### 杭州贝塔传动科技有限公司

Hangzhou Betar Transmission Technology Co., Ltd.

地址: 浙江省杭州市萧山区靖江街道协议村

Add: Xieyi Village, Jingjiang Town, Xiaoshan, Hangzhou, Zhejiang

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余新设计 杭州无广告



杭州一鼎传动机械有限公司

YNMRV / WP系列蜗轮蜗杆减速机

SWL / HK系列蜗轮丝杆升降机

# GEARBOX



**YNMRV / WP系列蜗轮蜗杆减速机**  
YNMRV / WP SERIES WORM GEARBOX

**SWL / HK系列蜗轮丝杆升降机**  
SWL / HK SERIES WORM GEAR SCREW JACK



MOVING THE WORLD FORWARD

推动世界前进



YDFORCE



# COMPANY PROFILE

## 公司简介



**2010** 年公司成立  
The company was established in 2010

**YDFORCE**  
MOVING THE WORLD FORWARD



**35000** 平方米占地面积  
35,000 square meters of floor space



产品远销 **40** 多个国家  
Products are sold in more than 40 countries

杭州一鼎传动机械有限公司致力于数字化赋能的工业减速机领域。以杭州为基地，公司现拥有两大现代化数字智能工厂，年产减速机达百万台。产品广泛用于新能源，机器人，自动化，仓储，物流，医疗，化工等多领域。公司主要生产WP系列蜗轮蜗杆减速机，YNMRV精密蜗轮蜗杆减速机，四大系列齿轮减速机YR系列、YF系列、YS系列、YK系列，高精度行星减速机，以及为客户提供定制化解决方案。推动大数据分析科学与生产规划，确保产品性能和生产效率。我们的研发实力和创新能力获得了众多国内外认证与专利的认定。

一鼎传动不断追求技术创新与精益求精，致力于为合作伙伴提供更为创新和精密的动力输送解决方案。我们一直奔着“中国制造”走向“中国智造”的愿景迈进，立志成为减速机行业的领跑者，携手全球客户共创美好未来。

Hangzhou Yiding Transmission Machinery Co., Ltd. is dedicated to the digitally empowered industrial gearbox field. Based in Hangzhou, the Company has two modern digital intelligent plants with an annual output of millions of gearboxes. The products are widely used in new energy, robots, automation, warehousing, logistics, medical treatment, chemical and other fields. The Company mainly produces WP series worm gearboxes, YNMRV precision worm gearboxes, and four series of gearbox motors (YR series, YF series, YS series, YK series), and high-precision planetary gearboxes, and provides customized solutions for customers. The Company promotes big data analysis and scientific production planning to ensure product performance and efficiency. Our R&D strength and innovation capacity have been recognized by domestic and foreign certifications and patents.

In constant pursuit of technical innovation and excellence, the Company is committed to providing more innovative and precision solutions for power transmission for our partners. We are moving toward our vision of developing from "Made in China" to "Intelligent Manufacturing in China", striving to become the leader of the gearbox industry and create a better future with global customers.





# CORPORATE HISTORY

发展历程

# QUALITY ASSURANCE

品质保证

我们秉承持续创新、追求卓越的精神，坚持以科技引领企业发展，全员永葆创精雕细琢的激情与活力，注重团队的学习提升，努力创造卓越绩效，不断促进企业的跨越式发展。

我们弘扬和谐共进、致力共赢的精神，重视以安全和谐为根本，注重内部沟通协作与外部的广泛合作，实现企业发展的成果共享，共同创造企业可持续的发展环境。



## 2010年

一鼎——WP系列蜗轮蜗杆减速机，研发投产

In 2010, Yiding-WP series worm gear speed reducer, R&D and production



## 2013年

一鼎——YNMRV系列蜗轮蜗杆减速机，研发投产

In 2013, Yiding-YNMRV series worm gear speed reducer, R&D and production



## 2018年

一鼎华微——R/F/K/S系列齿轮减速机，研发投产

In 2018, Yiding Huawei--R/F/K/S series gear motor, R&D and production



## 2019年

一鼎贝塔——精密行星齿轮箱，研发投产

In 2019, Yiding Betar - Precision planetary gearbox, R&D and production



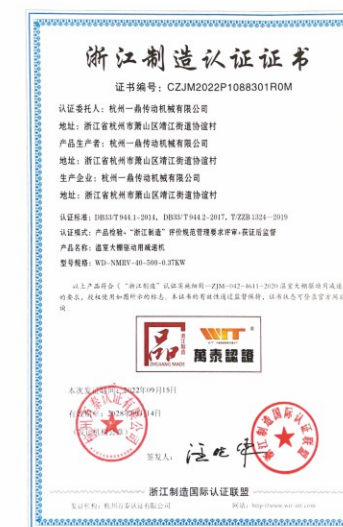
国家高新技术企业  
National high-tech enterprise



杭州市高新技术企业  
Hangzhou high-tech enterprise



杭州市企业高新技术研究开发中心  
Hangzhou Enterprise High-tech Research and Development Center



浙江制造认证企业  
Made in Zhejiang certified enterprise



ISO14001环境管理体系认证  
ISO14001 environmental management system certification



ISO19001质量管理体系认证  
ISO19001 quality management system certification



## YD FORCE Concept 一鼎核心价值观

改变 · 创新 · 责任 · 共赢  
Change, Innovation, Responsibility, Win-win.

## YD FORCE Mission 一鼎使命

让中国制造成为中国智造  
From "made in china" to "created in china"

## YD FORCE Vision 一鼎愿景

成为中国机械行业领跑者  
To be the leader of machinery industry in China







# PRODUCTION & TESTING EQUIPMENT

## 生产及检测设备

我们拥有行业领先的自动化制造设备，为零部件精度的不断提升给予持续的支持。

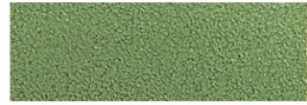
We have advanced automatic producing equipments which gives the continuous support to improving the precision of spare parts.

我们拥有先进而完善的检验设备，为零件及整机作精密的检测。

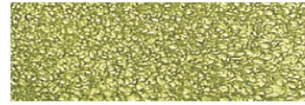
We have advanced and perfect inspecting equipment to inspect the spare parts and whole machine precisely.



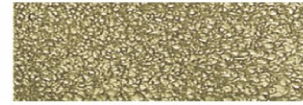
## WP系列蜗轮蜗杆减速机



基本色



辅助色1



辅助色2

产品标准颜色（由于印刷原因，颜色与实物可能有差异）



























### 单级减速机 / SINGLE SPEED REDUCER

速比1/10-1/60

### 万能型减速机 / UNIVERSAL SPEED REDUCER

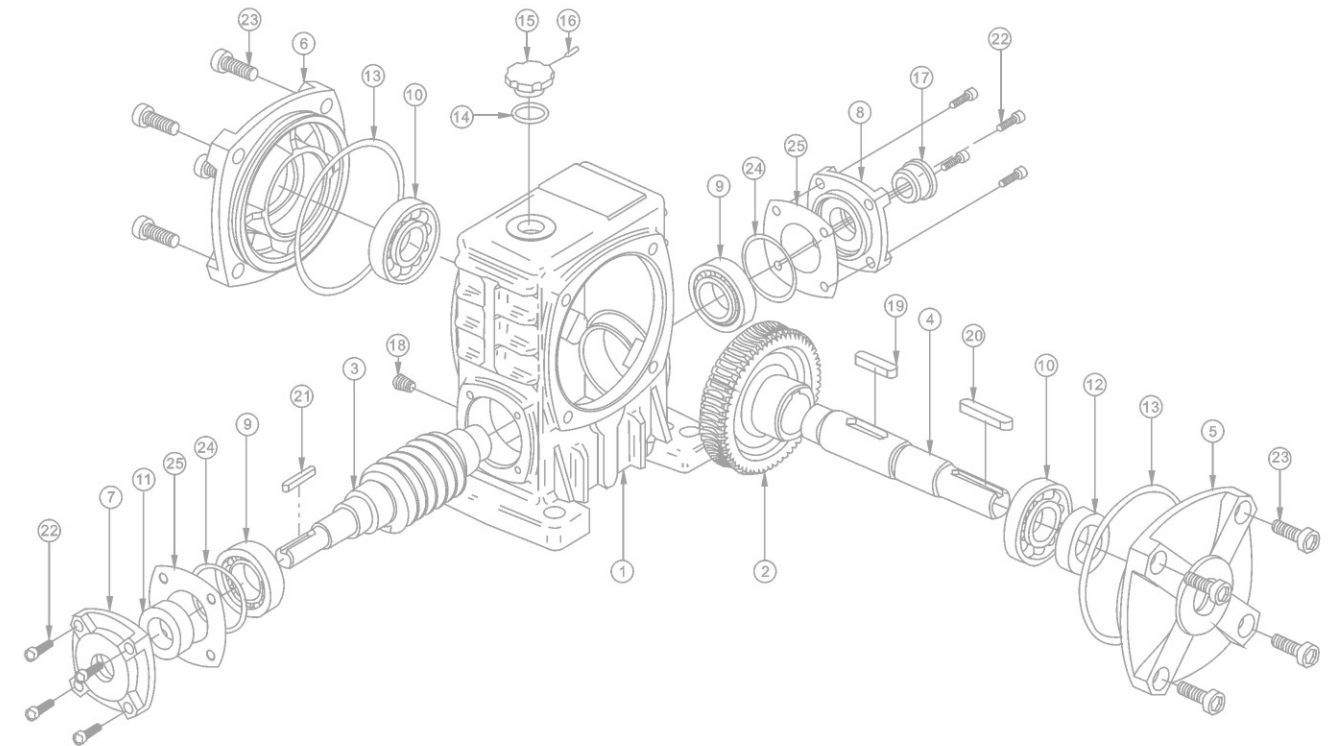
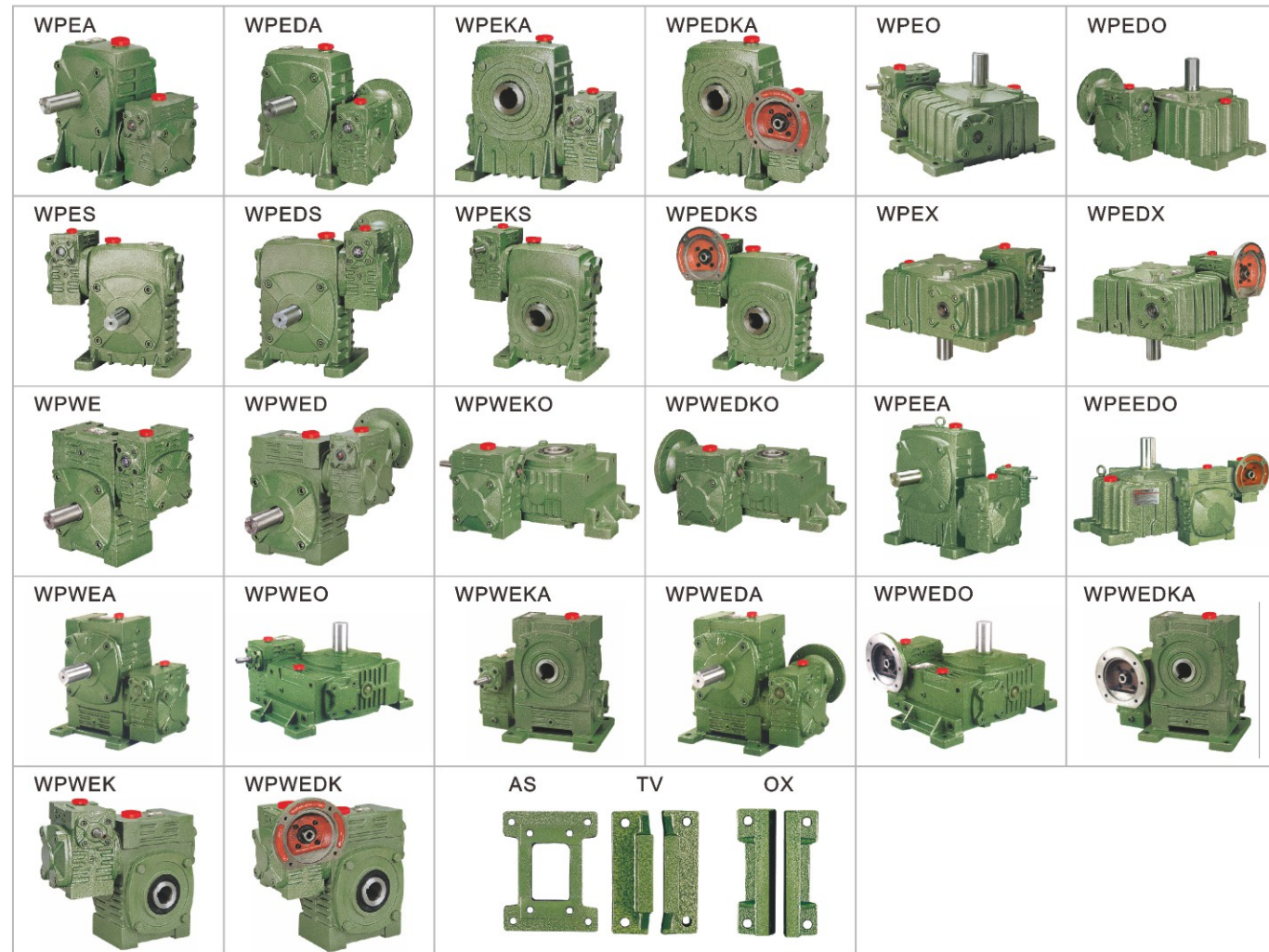
速比1/10-1/60



双级减速机 / DOUBLE SPEED REDUCER

速比1/100-1/3600



**WP单级蜗轮减速机分解图**

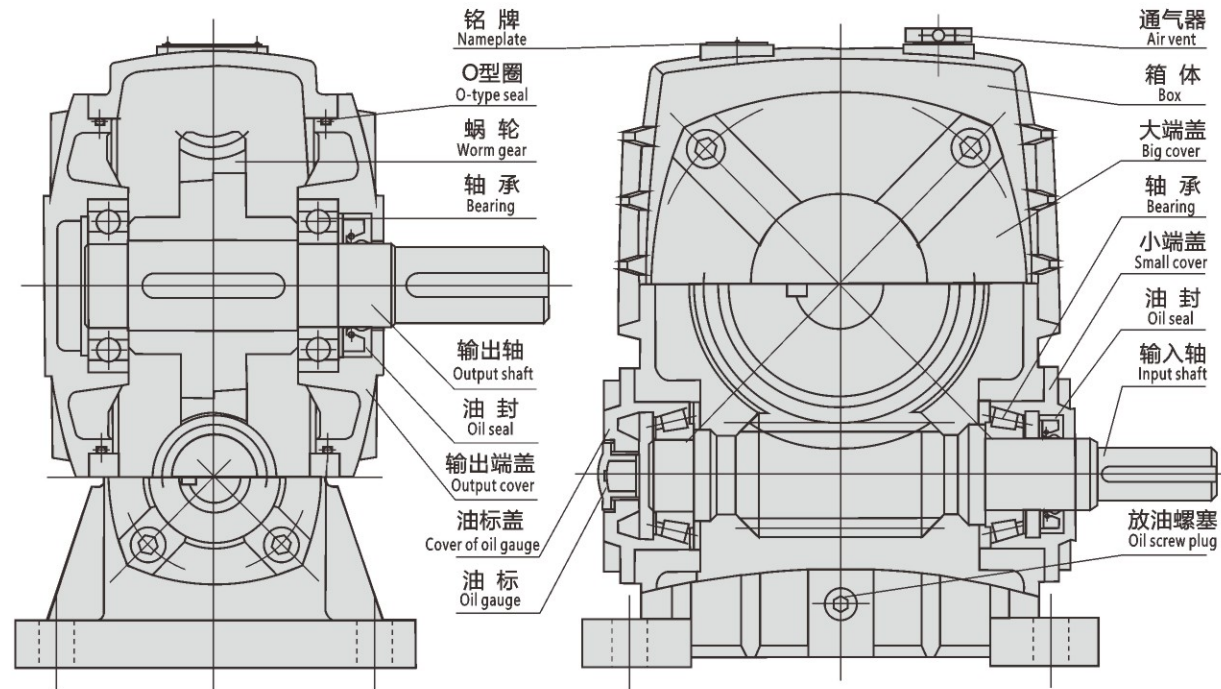
**Worm Gear Speed Reducer Display Drawings**

单级WP系列 Single WP series

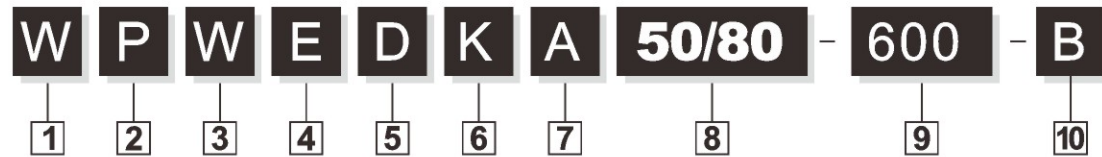
- |                          |                         |                       |                         |
|--------------------------|-------------------------|-----------------------|-------------------------|
| 1 机座 Frame               | 7 入力盖 Input shaft cover | 13 O型圈 O ring         | 19 平键 Key               |
| 2 蜗轮 Worm wheel          | 8 入力盖 Input shaft cover | 14 O型圈 O ring         | 20 平键 Key               |
| 3 蜗杆轴 Worm shaft         | 9 轴承 Bearing            | 15 加油盖 Oil hole cover | 21 平键 Key               |
| 4 出力轴 Output shaft       | 10 轴承 Bearing           | 16 塞子 Pin             | 22 内六角螺钉 Intl.hex screw |
| 5 出力盖 Output shaft cover | 11 油封 Oil seal          | 17 油标 Oil gauge       | 23 内六角螺钉 Intl.hex screw |
| 6 出力盖 Output shaft cover | 12 油封 Oil seal          | 18 油塞 Oil plug        | 24 调整圈 Shim             |
|                          |                         |                       | 25 密封垫 Gasket           |



1. 产品结构图 Product structural view



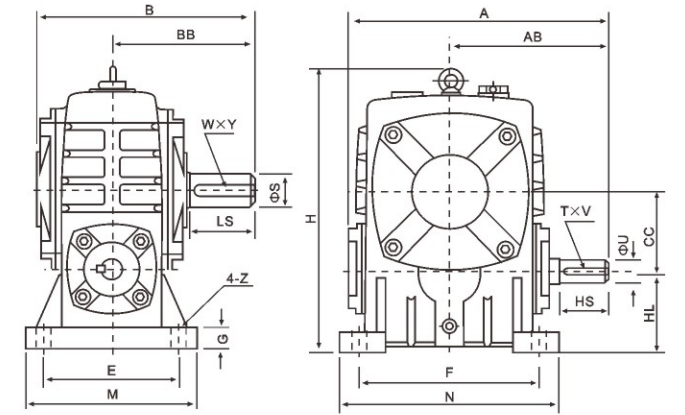
2. 型号结构表 Model and structure table



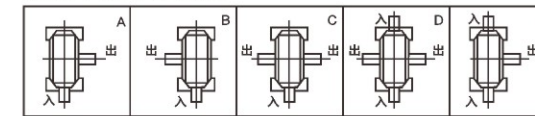
<p><b>1</b> 产品代码 <b>W</b> - 蜗轮减速机 Product Code <b>W</b>-worm gear reducer</p>	<p><b>2</b> 箱体结构 <b>P</b> - 整体 Box structure <b>P</b>-whole</p>	<p><b>3</b> 箱体型式 <b>W</b> - 万能型 无代码 - 基本型 Box model <b>W</b>-universal Non-code-basic</p>	<p><b>4</b> 整机结构 <b>E</b> - 双级 <b>EE</b> - 多级 无代码 - 基本型 Unit structure <b>E</b>-double <b>EE</b>-multistage Non-code-basic</p>	<p><b>5</b> 输入轴联接方式 <b>D</b> - 带电机法兰 无代码 - 基本型 Connector of input shaft <b>D</b>-with motor flange Non-code-basic</p>
<p><b>6</b> 输出轴结构 <b>K</b> - 中空输出轴 无代码 - 基本型 Structure of output shaft <b>K</b>-hollow Non-code-basic</p>	<p><b>7</b> 输出、输入轴置式 <b>A</b>-入轴在下 <b>S</b>-入轴在上 <b>O</b>-出轴向上 <b>X</b>-出轴向下 <b>T</b>-入轴向上 <b>V</b>-入轴向下 无代码 - 万能型 Arrangement of input or output shaft A-input shaft is below S-input shaft is above O-output shaft is upward X-output shaft is downward T-input shaft is upward V-input shaft is downward Non-code-universal</p>	<p><b>8</b> 规格 以中心距表示 50/80 Size signed by center distance 50/80</p>	<p><b>9</b> 传动比 <b>600</b> Ratio <b>600</b></p>	<p><b>10</b> 轴指向 按产品样本轴指向图 选定 <b>B</b> Selecting it according to shaft direction figure in this manual <b>B</b></p>

3. 安装尺寸 Dimensions of outline installation

WPA 型[MODEL]

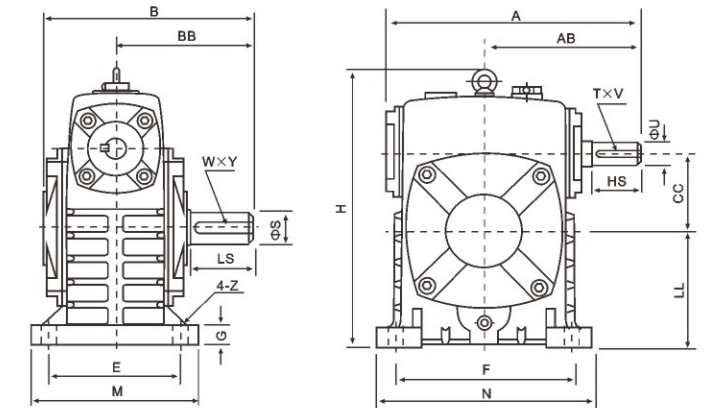


轴指向表示  
SHAFT DIRECTION

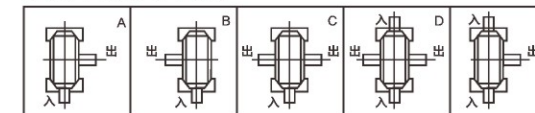


型号 size	传动比 ratio	A	AB	B	BB	CC	H	HL	M	N	E	F	G	Z	输入轴input shaft			输出轴output shaft			重量 (kg)	油量 (L)
															HS	U	T×V	LS	S	W×Y		
40	1/10	143	87	114	74	40	138	40	90	100	70	80	13	10	25	12	4×2.5	28	14	5×3	4	0.13
50		175	107	150	97	50	173	50	120	140	95	110	15	12	30	12	4×2.5	40	17	5×3	7	0.17
60	1/15	198	122	168	112	60	204	60	130	150	105	120	20	12	40	15	5×3	50	22	6×3.5	10	0.22
70		231	140	194	131	70	236	70	150	190	115	150	20	15	40	18	6×3.5	60	28	8×4	15	0.60
80	1/20	261	160	214	142	80	268	80	170	220	135	180	20	15	50	22	6×3.5	65	32	10×5	20	0.85
100		322	190	254	169	100	329	100	190	270	155	220	25	15	50	25	8×4	75	38	10×5	35	1.50
120	1/25	381	229	282	190	120	430	120	230	320	180	260	30	18	65	30	8×4	85	45	14×5.5	60	3.20
135		433	260	317	210	135	480	135	250	350	200	290	30	18	75	35	10×5	95	55	16×6	80	3.60
147	1/40	439	264	324	212	147	501	123	250	350	200	280	32	18	80	35	10×5	95	55	16×6	90	3.70
155		504	302	382	252	155	531	135	275	390	220	320	35	21	85	40	12×5	110	60	18×7	110	3.80
175	1/60	545	325	402	262	175	600	160	310	430	250	350	40	21	85	45	14×5.5	110	65	18×7	150	4.60
200		587	350	467	305	200	667	175	360	480	290	390	40	24	95	50	14×5.5	125	70	20×7.5	215	6.50
250		705	420	552	360	250	800	200	460	560	380	480	45	28	110	60	18×7	155	90	25×9	360	9.00

WPS 型[MODEL]



轴指向表示  
SHAFT DIRECTION



型号 size	传动比 ratio	A	AB	B	BB	CC	H	LL	M	N	E	F	G	Z	输入轴input shaft			输出轴output shaft			重量 (kg)	油量 (L)
															HS	U	T×V	LS	S	W×Y		
40	1/10	143	87	114	74	40	141	60	90	100	70	80	13	10	25	12	4×2.5	28	14	5×3	4	0.30
50		175	107	150	97	50	180	80	120	140	95	110	15	12	30	12	4×2.5	40	17	5×3	7	0.45
60	1/15	198	122	168	112	60	207	90	130	150	105	120	20	12	40	15	5×3	50	22	6×3.5	10	0.55
70		231	140	194	131	70	238	105	150	190	115	150	20	15	40	18	6×3.5	60	28	8×4	15	0.80
80	1/20	261	160	214	142	80	270	120	170	220	135	180	20	15	50	22	6×3.5	65	32	10×5	20	1.10
100		322	190	254	169	100	331	150	190	270	155	220	25	15	50	25	8×4	75	38	10×5	35	2.90
120	1/25	381	229	282	190	120	423	180	230	320	180	260	30	18	65	30	8×4	85	45	14×5.5	60	4.40
135		433	260	317	210	135	482	215	250	350	200	290	30	18	75	35	10×5	95	55	16×6	80	6.20
147	1/40	439	264	324	212	147	495	203	250	350	200	280	32	18	80	35	10×5	95	55	16×6	90	6.35
155		504	302	382	252	155	541	235	275	390	220	320	35	21	85	40	12×5	110	60	18×7	110	6.50
175	1/60	545	325	402	262	175	594	260	310	430	250	350	40	21	85	45	14×5.5	110	65	18×7	150	8.00
200		587	350	467	305	200	677	290	360	480	290	390	40	24	95	50	14×5.5	125	70	20×7.5	215	9.30
250		705	420	552	360	250	824	350	460	560	380	480	45	28	110	60	18×7	155	90	25×9	360	18.0

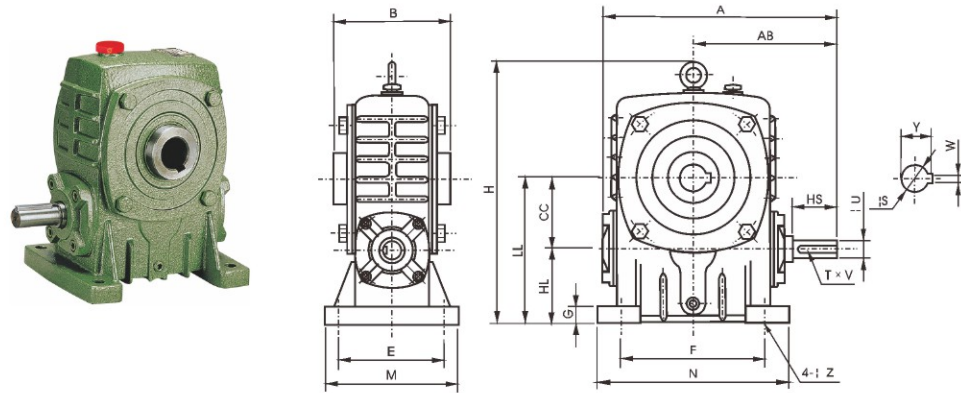
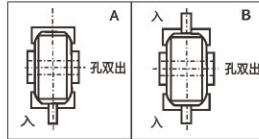






**WPKA 型[MODEL]**

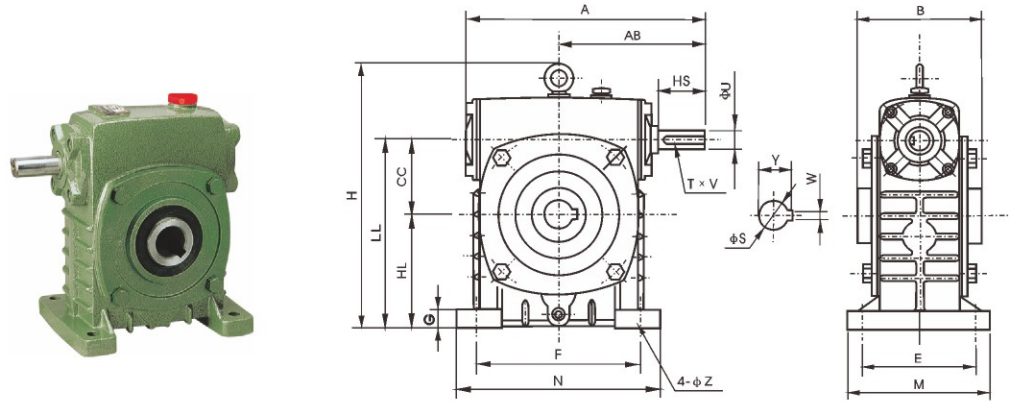
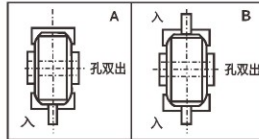
轴指向表示  
SHAFT DIRECTION



型号 size	传动比 ratio	A	AB	B	CC	HL	LL	H	M	N	E	F	G	Z	输入轴 input shaft			输出轴 output shaft		重量 (kg)
															HS	U	T×V	S	W×Y	
40	1/10	143	87	90	40	40	80	138	90	100	70	80	13	10	25	12	4×2.5	16	5×18.3	4.5
50		175	107	110	50	50	100	173	120	140	95	110	15	12	30	12	4×2.5	20	6×22.8	7.5
60	1/15	198	122	120	60	60	120	204	130	150	105	120	20	12	40	15	5×3	25	8×28.3	11.5
70		231	140	132	70	70	140	236	150	190	115	150	20	15	40	18	6×3.5	30	8×33.3	15.5
80	1/20	261	160	150	80	80	160	268	170	220	135	180	20	15	50	22	6×3.5	35	10×38.3	24
100		322	190	174	100	100	200	329	190	270	155	220	25	15	50	25	8×4	40	12×43.3	39
120	1/30	381	229	180	120	120	240	430	230	320	180	260	30	18	65	30	8×4	45	14×48.8	57
135		433	260	214	135	135	270	480	250	350	200	290	30	18	75	35	10×5	60	18×64.4	85
155	1/50	504	302	256	155	155	290	531	275	390	220	320	35	21	85	40	12×5	70	20×74.9	110
175		545	325	282	175	160	335	600	310	430	250	350	40	21	85	45	14×5.5	80	22×85.4	152
200	1/60	587	350	324	200	175	375	667	360	480	290	390	40	24	95	60	14×5.5	85	22×90.4	216

**WPKS 型[MODEL]**

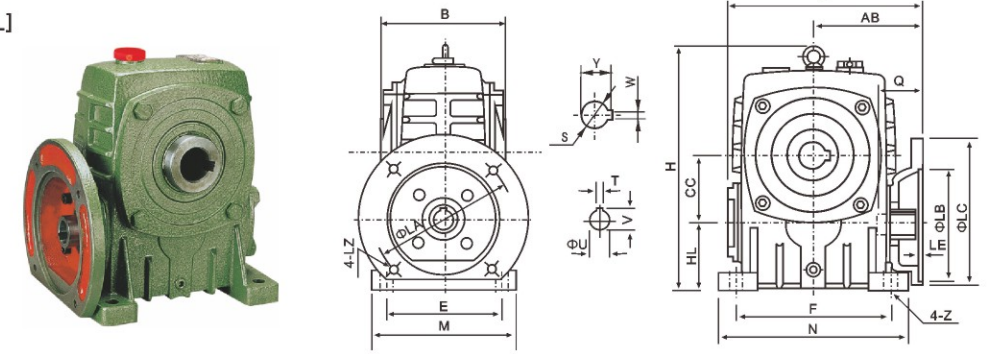
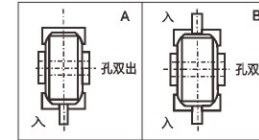
轴指向表示  
SHAFT DIRECTION



型号 size	传动比 ratio	A	AB	B	CC	HL	LL	H	M	N	E	F	G	Z	输入轴 input shaft			输出轴 output shaft		重量 (kg)
															HS	U	T×V	S	W×Y	
40	1/10	143	87	90	40	60	100	141	90	100	70	80	13	10	25	12	4×2.5	16	5×18.3	4.5
50		175	107	110	50	80	130	180	120	140	95	110	15	12	30	12	4×2.5	20	6×22.8	7.5
60	1/15	198	122	120	60	90	150	207	130	150	105	120	20	12	40	15	5×3	25	8×28.3	11.5
70		231	140	132	70	105	175	238	150	190	115	150	20	15	40	18	6×3.5	30	8×33.3	15.5
80	1/20	261	160	150	80	120	200	270	170	220	135	180	20	15	50	22	6×3.5	35	10×38.3	24
100		322	190	174	100	150	250	331	190	270	155	220	25	15	50	25	8×4	40	12×43.3	39
120	1/30	381	229	180	120	180	300	423	230	320	180	260	30	18	65	30	8×4	45	14×48.8	57
135		433	260	214	135	215	350	482	250	350	200	290	30	18	75	35	10×5	60	18×64.4	85
155	1/50	504	302	256	155	235	390	541	275	390	220	320	35	21	85	40	12×5	70	20×74.9	110
175		545	325	282	175	260	435	594	310	430	250	350	40	21	85	45	14×5.5	80	22×85.4	152
200	1/60	587	350	324	200	290	490	677	360	480	290	390	40	24	95	60	14×5.5	85	22×90.4	216

**WPDKA 型[MODEL]**

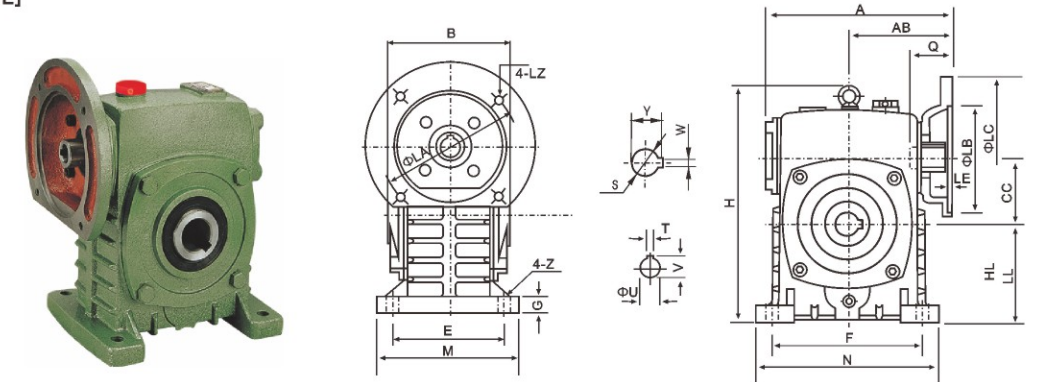
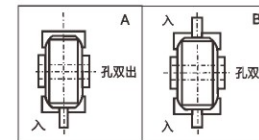
轴指向表示  
SHAFT DIRECTION



型号 size	入功率 (kw)	传动比 ratio	A	AB	B	CC	H	HL	M	N	E	F	G	Z	电机法兰 flange				输入孔 input hole			输出轴 output shaft		重量 (kg)	
															LA	LB	LC	LE	LZ	Q	U	T×V	S		W×Y
50	0.18	1/10	151	83	97	50	176	50	120	140	95	110	15	12	115	95	140	4	M8	31	11	4×12.8	20	6×22.8	8
60	0.37		167	91	112	60	204	60	130	150	105	120	20	12	130	110	160	4	M8	33	14	5×16.3	25	8×28.3	10.5
70	0.37	1/15	200	109	131	70	236	70	150	190	115	150	20	15	130	110	160	4	M8	40	14	5×16.3	30	8×33.3	17
80	0.75		202	111																					
100	1.5	1/20	225	125	142	80	268	80	170	220	135	180	20	15	165	130	200	4.5	M10	48	19	6×21.8	35	10×38.3	26
120	1.5		280	148	169	100	336	100	190	270	155	220	25	15	165	130	200	4.5	M10	52	24	8×27.3	40	12×43.3	38
135	2.2	1/25	333	181	190	120	430	120	230	320	180	260	30	18	215	180	250	5	M12	63	28	8×31.3	45	14×48.8	60
155	3.0		375	202	210	135	480	135	250	350	200	290	30	18	215	180	250	5	M12	63	28	8×31.3	60	18×64.4	85
175	4.0	1/40	425	224	252	155	531	135	275	390	220	320	35	21	215	180	250	5	M12	63	28	8×31.3	70	20×74.9	120
200	11.0		448	247																					
250	15.0	1/50	481	262	280	175	600	160	310	430	250	350	40	21	265	230	300	5	M12	83	38	10×41.3	80	22×85.4	150
175	7.5		543	275	324	200	666	175	360	480	290	390	40	24	300	250	350	6	M16	114	42	12×45.3	85	22×90.4	236
200	11.0	1/60	636	316	400	250	800	200	460	560	380	480	45	28	300	250	350	6	M16	114	42	12×45.3	110	28×116.4	396
250	15.0		636	316	400	250	800	200	460	560	380	480	45	28	300	250	350	6	M16	114	42	12×45.3	110	28×116.4	396

**WPDKS 型[MODEL]**

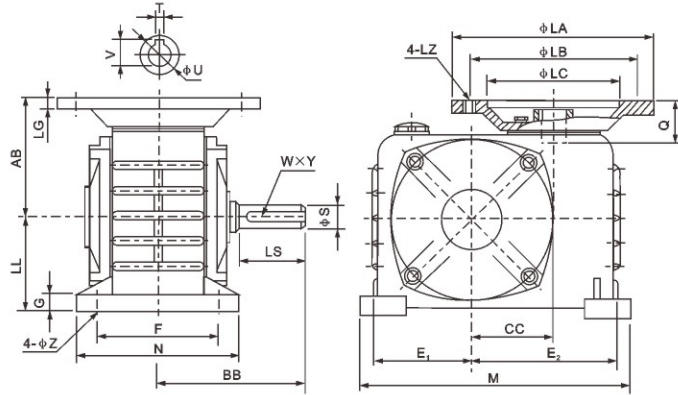
轴指向表示  
SHAFT DIRECTION



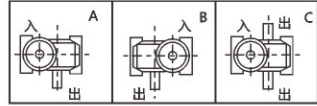
型号 size	入功率 (kw)	传动比 ratio	A	AB	B	CC	H	LL	M	N	E	F	G	Z	电机法兰 flange				输入孔 input hole			输出轴 output shaft		重量 (kg)	
															LA	LB	LC	LE	LZ	Q	U	T×V	S		W×Y
50	0.18	1/10	151	83	97	50	176	80	120	140	95	110	15	12	115	95	140	4	M8	31	11	4×12.8	20	6×22.8	8
60	0.37		167	91	112	60	204	90	130	150	105	120	20	12	130	110	160	4	M8	33	14	5×16.3	25	8×28.3	10.5
70	0.37	1/15	200	109	131	70	236	105	150	190	115	150	20	15	130	110	160	4	M8	40	14	5×16.3	30	8×33.3	17
80	0.75		202	111																					
100	1.5	1/20	225	125	142	80	268	120	170	220	135	180	20	15	165	130	200	4.5	M10	48	19	6×21.8	35	10×38.3	26
120	1.5		280	148	169	100	336	150	190	270	155	220	25	15	165	130	200	4.5	M10	52	24	8×27.3	40	12×43.3	38
135	2.2	1/25	333	181	190	120	430	180	230	320	180	260	30	18	215	180	250	5	M12	63	28	8×31.3	45	14×48.8	60
155	3.0		375	202	210	135	480	215	250	350	200	290	30	18	215	180	250	5	M12	63	28	8×31.3	60	18×64.4	85
175	4.0	1/40	425	224	252	155	531	235	275	390	220	320	35	21	215	180	250	5	M12	63	28	8×31.3	70	20×74.9	120
200	11.0		448	247																					
250	15.0	1/50	481	262	280	175	600	260	310	430	250	350	4												



WPDZ 型[MODEL]

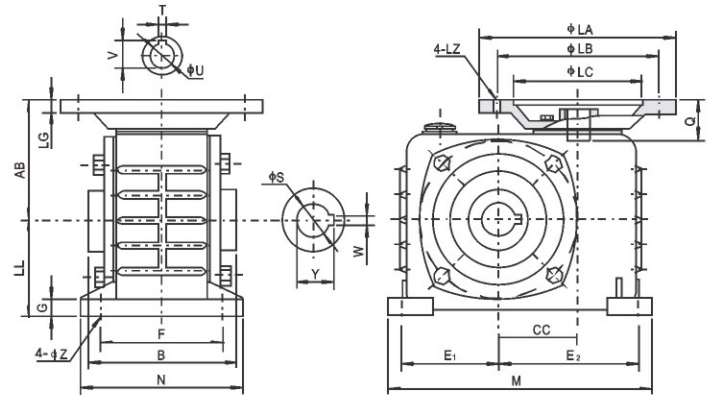


轴指向表示  
SHAFT DIRECTION



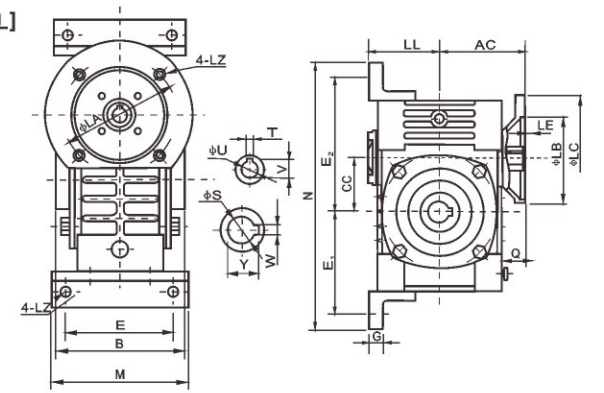
型号 size	入功率 (kw)	传动比 ratio	AB	LL	BB	CC	E <sub>1</sub>	E <sub>2</sub>	F	M	N	G	Z	电机法兰 flange				入力孔 input hole			输出轴 output shaft		重量 (kg)		
														LB	LC	LA	LG	LZ	Q	U	T×V	S		W×Y	
50	0.18	1/10	87	76	95	50	53	77	100	160	125	15	11	115	95	140	10	M8	26	11	4×12.8	17	5×3	7.5	
60	0.37		92	82	110	60	68	92	100	190	130	15	11	115	95	140	10	M8	27	11	4×12.8	22	6×4	12	
70	0.37	1/15	101	95	130	70	75	115	120	230	155	20	15	130	110	160	10	M8	32	14	5×16.3	50	22	6×4	12
	130													110	160	10	M8	32	14	5×16.3	60	28	8×4	15	
80	0.75	1/20	101	95	130	70	75	115	120	230	155	20	15	165	130	200	10	M10	42	19	6×21.8	60	28	8×4	15
	165													130	200	10	M10	42	19	6×21.8	65	32	10×4.5	22	
100	1.5	1/30	118	100	140	80	96	144	125	265	160	20	15	165	130	200	12	M10	45	19	6×21.8	65	32	10×4.5	22
	165													130	200	12	M10	45	19	6×21.8	75	38	10×4.5	38	
120	2.2	1/50	145	135	163	100	100	150	155	310	195	22	15	165	130	200	15	M10	60	24	8×27.3	75	38	10×4.5	38
	215													180	250	15	M12	70	28	8×31.3	85	45	12×4.5	60	
135	3.0	1/60	160	160	185	120	120	180	180	360	230	28	18	215	180	250	18	M12	70	28	8×31.3	85	45	12×4.5	60
	215													180	250	18	M12	70	28	8×31.3	95	55	16×6	80	

WPDKZ 型[MODEL]

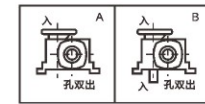


型号 size	入功率 (kw)	传动比 ratio	AB	LL	B	CC	E <sub>1</sub>	E <sub>2</sub>	F	M	N	G	Z	电机法兰 flange				入力孔 input hole			输出轴 output shaft		重量 (kg)		
														LB	LC	LA	LG	LZ	Q	U	T×V	S		W×Y	
50	0.18	1/10	87	76	107	50	53	77	100	160	125	15	11	115	95	140	10	M8	26	11	4×12.8	17	6×22.8	7.5	
60	0.37		92	82	117	60	68	92	100	190	130	15	11	115	95	140	10	M8	27	11	4×12.8	22	8×28.3	12	
70	0.37	1/15	101	95	131	70	75	115	120	230	155	20	15	130	110	160	10	M8	32	14	5×16.3	50	22	6×4	12
	130													110	160	10	M8	32	14	5×16.3	60	28	8×33.3	15	
80	0.75	1/25	118	100	144	80	96	144	125	265	160	20	15	165	130	200	12	M10	45	19	6×21.8	65	32	10×38.3	22
	165													130	200	12	M10	45	19	6×21.8	75	38	12×43.3	38	
100	1.5	1/40	145	135	175	100	100	150	155	310	195	22	15	165	130	200	15	M10	60	24	8×27.3	75	38	12×43.3	38
	215													180	250	15	M12	70	28	8×31.3	85	45	14×48.8	60	
120	2.2	1/50	160	160	180	120	120	180	180	360	230	28	18	215	180	250	18	M12	70	28	8×31.3	85	45	14×48.8	60
	215													180	250	18	M12	70	28	8×31.3	95	55	18×64.4	80	
135	3.0	1/60	183	170	212	135	130	200	200	390	250	30	18	215	180	250	20	M12	68	28	8×31.3	95	55	16×6	80
	215													180	250	20	M12	68	28	8×31.3	95	55	16×6	80	

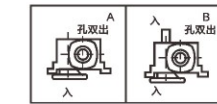
WPWDKT 型[MODEL] WPWDKV 型[MODEL]



轴指向表示  
SHAFT DIRECTION



轴指向表示  
SHAFT DIRECTION

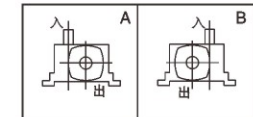


型号 size	入功率 (kw)	传动比 ratio	AC	B	CC	LL	M	N	E	E <sub>1</sub>	E <sub>2</sub>	G	Z	电机法兰 flange				入力孔 input hole			输出轴 output shaft		重量 (kg)		
														LA	LB	LC	LE	LZ	Q	U	T×V	S		W×Y	
40	0.12	1/10	75	90	40	63	90	187	70	72	97	12	10	115	95	140	4	M8	31	11	4×12.8	16	5×18.3	5.4	
50	0.18		83	110	50	70	120	226	95	90	110	14	12	115	95	140	4	M8	31	11	4×12.8	20	6×22.8	8.5	
60	0.37	1/15	91	120	60	80	130	257	105	102	129	15	12	130	110	160	4	M8	33	14	5×16.3	25	8×28.3	12	
	109													132	70	95	150	305	115	120	155	20	15	130	110
70	0.37	1/20	101	95	130	70	75	115	120	230	155	20	15	165	130	200	4	M10	42	19	6×21.8	60	28	8×4	15
	165													130	200	4	M10	42	19	6×21.8	65	32	10×4.5	22	
80	0.75	1/30	125	150	80	105	170	350	135	140	180	20	15	165	130	200	4.5	M10	48	19	6×21.8	35	10×38.3	26	
	165													130	200	4.5	M10	48	19	6×21.8	40	12×43.3	40.5		
100	1.5	1/50	148	174	100	135	190	410	155	165	215	22	15	165	130	200	4.5	M10	52	24	8×27.3	40	12×43.3	40.5	
	165													130	200	4.5	M10	52	24	8×27.3	45	14×48.8	59		
120	2.2	1/25	181	180	120	160	230	494	180	195	255	25	18	215	180	250	5	M12	63	28	8×31.3	45	14×48.8	59	
	215													180	250	5	M12	63	28	8×31.3	60	18×64.4	89		
135	3.0	1/40	202	214	135	185	250	559	200	230	285	30	18	215	180	250	5	M12	63	28	8×31.3	60	18×64.4	89	
	215													180	250	5	M12	63	28	8×31.3	70	20×74.9	138		
155	4.0	1/60	224	256	155	220	275	605	220	250	305	35	21	265	230	300	5	M12	83	38	10×41.3	85	22×90.4	246	
	265													230	300	5	M12	83	38	10×41.3	85	22×90.4	246		
175	5.5	1/60	262	282	175	240	310	675	250	273	348	40	21	265	230	300	5	M12	83	38	10×41.3	85	22×90.4	246	
	265													230	300	5	M12	83	38	10×41.3	85	22×90.4	246		
200	7.5	1/60	258	324	200	280	360	749	290	305	390	40	24	265	230	300	5	M12	83	38	10×41.3	85	22×90.4	246	
	265													230	300	5	M12	83	38	10×41.3	85	22×90.4	246		
250	11.0	1/60	330	400	250	315	460	920	380	375	475	45	28	300	250	350	6	M16	114	42	12×45.3	110	28×116.4	400	
	300													250	350	6	M16	114	42	12×45.3	110	28×116.4	400		

WPWT 型[MODEL]



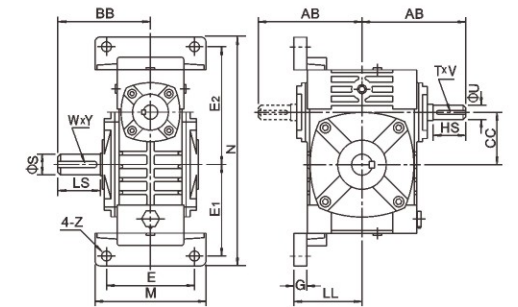
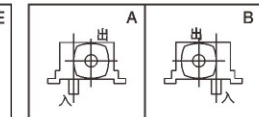
WPWT 轴指向表示  
SHAFT DIRECTION



WPWV 型[MODEL]



WPWV 轴指向表示  
SHAFT DIRECTION

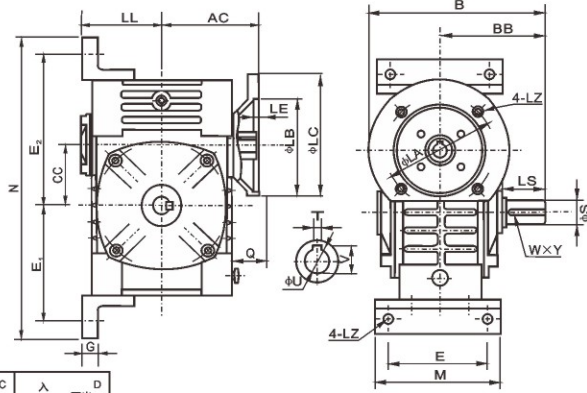


型号 size	传动比 ratio	AB	BB	CC	LL	M	N	E	E <sub>1</sub>	E <sub>2</sub>	G	Z	输入轴 input shaft			输出轴 output shaft			重量 weight(kg)
													HS	U	T×V	LS	S	W×Y	
40	10	87	79	40	63	90	187	70	72	97	12	10	25	12	4×2.5	28	14	5×3	5
50		107	97	50	70	120	226	95	90	110	14	12	30	12	4×2.5	40	17	5×3	8
60	15	122	112	60	80	130	257	105	102										

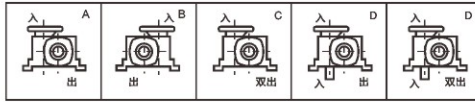


WPWDT 型[MODEL]

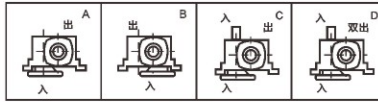
WPWDV 型[MODEL]



轴指向表示  
SHAFT DIRECTION



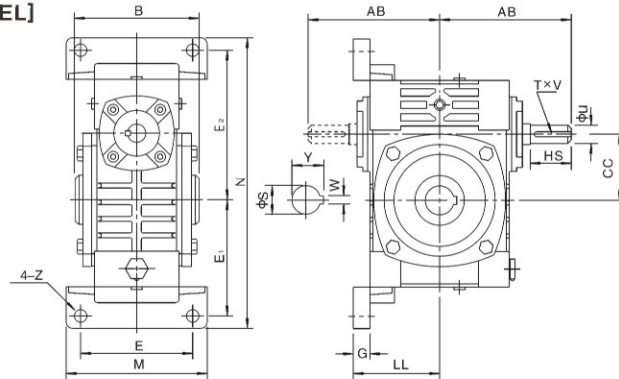
轴指向表示  
SHAFT DIRECTION



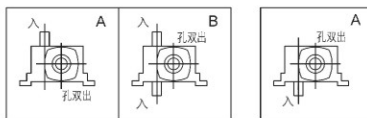
型号 size	入功率 (kw)	传动比 ratio	AC	BB	CC	LL	M	N	E	E <sub>1</sub>	E <sub>2</sub>	G	Z	电机法兰flange				输入孔Input hole			输出轴output shaft			重量 (kg)	
														LA	LB	LC	LE	LZ	Q	U	T×V	LS	S		W×Y
40	0.12	1/10	75	79	40	63	90	187	70	72	97	12	10	115	95	140	4	M8	31	11	4×12.8	28	14	5×3	5.4
50	0.18		83	97	50	70	120	226	95	90	110	14	12	115	95	140	4	M8	31	11	4×12.8	40	17	5×3	8.5
60	0.37	1/15	91	112	60	80	130	257	105	102	129	15	12	130	110	160	4	M8	33	14	5×16.3	50	22	6×3.5	12
70	0.75		109	131	70	95	150	305	115	120	155	20	15	130	110	160	4	M8	40	14	5×16.3	60	28	8×4	17
80	1.5	1/20	125	142	80	105	170	350	135	140	180	20	15	165	130	200	4.5	M10	42	19	6×21.8	65	32	10×5	26
100	3.0		148	169	100	135	190	410	155	165	215	22	15	165	130	200	4.5	M10	52	24	8×27.3	75	38	10×5	40.5
120	4.0	1/25	181	190	120	160	230	494	180	195	255	25	18	215	180	250	5	M12	63	28	8×31.3	85	45	14×5.5	59
135	7.5		202	210	135	185	250	559	200	230	285	30	18	215	180	250	5	M12	63	28	8×31.3	95	55	16×6	89
155	15.0	1/50	224	252	155	220	275	605	220	250	305	35	21	215	180	250	5	M12	63	28	8×31.3	110	60	18×7	138
175	30.0		247	262	175	240	310	675	250	273	348	40	21	265	230	300	5	M12	83	38	10×41.3	110	65	18×7	172
200	45.0	1/60	258	305	200	280	360	749	290	305	390	40	24	265	230	300	5	M12	83	38	10×41.3	125	70	20×7.5	246
250	90.0		285	330	250	315	460	920	380	375	475	45	28	300	250	350	6	M16	114	42	12×45.3	155	90	25×9	410

WPWKT 型[MODEL]

WPWKV 型[MODEL]

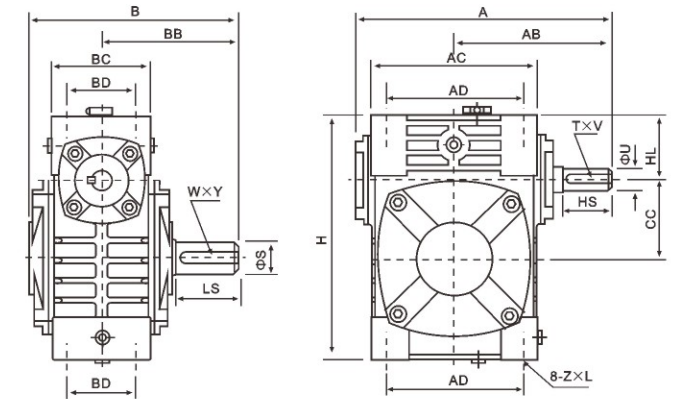


轴指向表示  
SHAFT DIRECTION

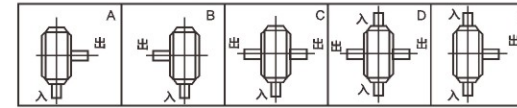


型号 size	传动比 ratio	AB	B	CC	LL	M	N	E	E <sub>1</sub>	E <sub>2</sub>	G	Z	输入轴 input shaft			输出轴 output shaft		重量 (kg)
													HS	U	T×V	S	W×Y	
40	10	87	90	40	63	90	187	70	72	97	12	10	25	12	4×2.5	16	5×18.3	5
50		107	110	50	70	120	226	95	90	110	14	12	30	12	4×2.5	20	6×22.8	8
60	15	122	120	60	80	130	257	105	102	129	15	12	40	15	5×3	25	8×28.3	11
70		140	132	70	95	150	305	115	120	155	20	15	40	18	6×3.5	30	8×33.3	15.5
80	20	160	150	80	105	170	350	135	140	180	20	15	50	22	6×3.5	35	10×38.3	24
100		190	174	100	135	190	410	155	165	215	22	15	50	25	8×4	40	12×43.3	38
120	30	229	180	120	160	230	494	180	195	255	25	18	65	30	8×4	45	14×48.8	56
135		260	214	135	185	250	559	200	230	285	30	18	75	35	10×5	60	18×64.4	84
155	50	302	256	155	220	275	605	220	250	305	35	21	85	40	12×5	70	20×74.9	129
175		325	282	175	240	310	675	250	273	348	40	21	85	45	14×5.5	80	22×85.4	157
200	60	350	324	200	280	360	749	290	305	390	40	24	95	50	14×5.5	85	22×90.4	224
250		420	400	250	315	460	920	380	375	475	45	28	110	60	18×7	110	28×116.4	374

WPW 型[MODEL]



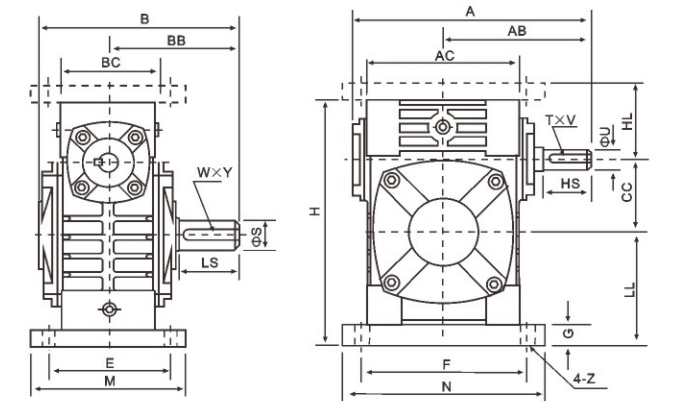
轴指向表示  
SHAFT DIRECTION



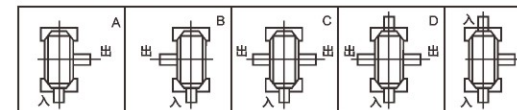
型号 size	传动比 ratio	A	AB	B	BB	AC	BC	AD	BD	CC	HL	H	Z×L	输入轴input shaft			输出轴output shaft			重量 (kg)
														HS	U	T×V	LS	S	W×Y	
40	1/10	149	89	124	79	95	61	78	42	40	35	125	M6×12	25	12	4×2.5	28	14	5×3	4
50		175	107	150	97	111	68	85	50	35	35	150	M6×18	30	12	4×2.5	40	17	5×3	6.5
60	1/15	198	122	168	112	127	76	105	55	60	42	177	M8×20	40	15	5×3	50	22	6×3.5	9
70		231	140	194	131	152	86	125	65	70	55	215	M10×25	40	18	6×3.5	60	28	8×4	13
80	1/20	261	160	214	142	169	102	140	70	80	65	250	M12×28	50	22	6×3.5	65	32	10×5	21
100		322	190	254	169	216	117	180	90	100	80	310	M12×30	50	25	8×4	75	38	10×5	34
120	1/30	381	229	282	190	256	124	220	100	120	95	370	M14×32	65	30	8×4	85	45	14×5.5	51
135		433	260	317	210	296	147	260	110	135	105	425	M16×35	75	35	10×5	95	55	16×6	78
155	1/50	504	302	382	252	345	185	280	120	155	103	461	M16×35	85	40	12×5	110	60	18×7	102
175		545	325	402	262	374	192	320	140	175	123	521	M16×35	85	45	14×5.5	110	65	18×7	142
200	1/60	587	350	467	305	412	230	360	150	200	130	575	M20×36	95	50	14×5.5	125	70	20×7.5	202
250		705	420	552	360	500	285	420	190	250	150	700	M24×42	110	60	18×7	155	90	25×9	340

WPWA 型[MODEL]

WPWS 型[MODEL]



轴指向表示  
SHAFT DIRECTION

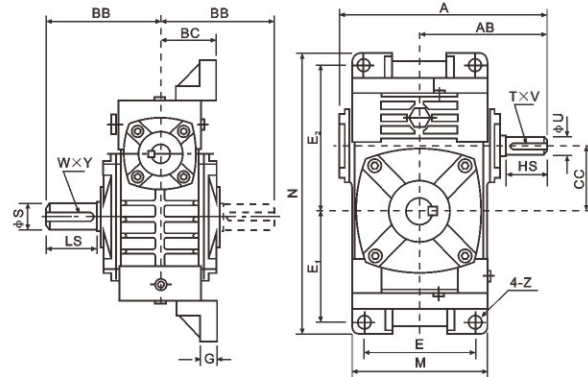


型号 size	传动比 ratio	A	AB	B	BB	AC	BC	CC	HL	LL	H	M	N	E	F	G	Z	输入轴input shaft			输出轴output shaft			重量 (kg)
																		HS	U	T×V	LS	S	W×Y	
40	1/10	149	89	124	79	95	61	40	45	60	135	100	130	80	110	10	10	25	12	4×2.5	28	14	5×3	4.5
50		175	107	150	97	111	68	50	50	80	165	120	140	95	110	15	12	30	12	4×2.5	40	17	5×3	7.5
60	1/15	198	122	168	112	127	76	60	60	93	195	130	150	105	120	18	12	40	15	5×3	50	22	6×3.5	11.5
70		231	140	194	131	152	86	70	73	108	233	150	190	115	150	18	15	40	18	6×3.5	60	28	8×4	15.5
80	1/20	261	160	214	142	169	102	80	83	123	268	170	220	135	180	18	15	50	22	6×3.5	65	32	10×5	24
100		322	190	254	169	216	117	100	100	150	330	190	270	155	220	20	15	50	25	8×4	75	38	10×5	39
120	1/30	381	229	282	190	256	124	120	120	180	395	230	320	180	260	25	18	65	30	8×4	85	45	14×5.5	57
135		433	260	317	210	296	147	135	135	215	455	250	350	200	290	30	18	75	35	10×5	95	55	16×6	85
155	1/50	504	302	382	252	345	185	155	135	235	493	280	380	220	320	32	21	85	40	12×5	110	60	18×7	110
175		545	325	402	262	374	192	175	160	260	558	310	410	250	350	37	21	85						



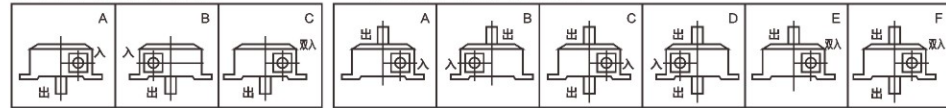
**WPWX 型[MODEL]**

**WPWO 型[MODEL]**



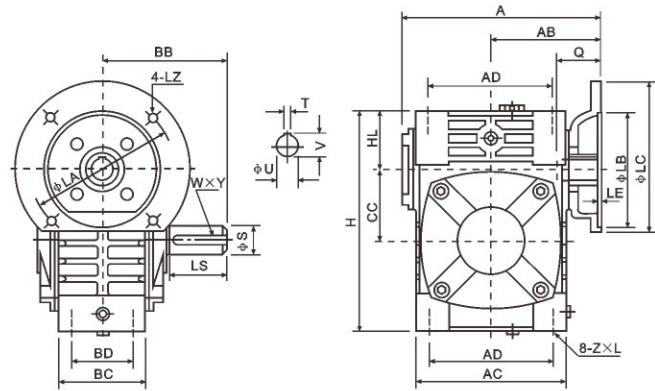
WPWX轴指向表示  
SHAFT DIRECTION

WPWO轴指向表示  
SHAFT DIRECTION

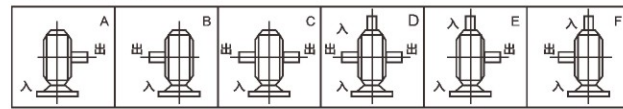


型号 size	传动比 ratio	A	AB	BB	BC	CC	M	N	E	E <sub>1</sub>	E <sub>2</sub>	G	Z	输入轴input shaft			输出轴output shaft			重量 (kg)	
														HS	U	T×V	LS	S	W×Y		
40	0.12	135	75	79	95	61	40	95	187	70	72	97	12	10	25	12	4×2.5	28	14	5×3	5
50	0.18	175	107	97	50	50	111	226	90	90	110	14	12	30	12	4×2.5	40	17	5×3	8	
60	0.37	167	91	112	127	76	60	60	93	195	130	150	105	120	18	12	5×3	50	22	6×3.5	12.5
70	0.37	200	109	131	152	86	70	73	108	233	150	190	115	150	18	15	5×3	60	28	8×4	17
80	0.75	225	125	142	169	102	80	83	123	268	170	220	135	180	18	15	6×3.5	60	28	8×4	17
80	1.5	225	125	142	169	102	80	83	123	268	170	220	135	180	18	15	6×3.5	60	28	8×4	17
100	1.5	280	148	169	216	117	100	100	150	330	190	270	155	220	20	15	6×3.5	75	38	10×5	41.5
120	2.2	333	181	190	256	124	120	120	180	395	230	320	180	260	25	18	6×3.5	85	45	14×5.5	60
120	3.0	333	181	190	256	124	120	120	180	395	230	320	180	260	25	18	6×3.5	85	45	14×5.5	60
135	3.0	375	202	210	296	147	135	135	215	455	250	350	200	290	30	18	8×4	95	55	16×6	90
135	4.0	375	202	210	296	147	135	135	215	455	250	350	200	290	30	18	8×4	95	55	16×6	90
155	4.0	425	224	252	345	185	155	135	235	493	280	380	220	320	32	21	8×4	110	60	18×7	118
155	5.5	425	224	252	345	185	155	135	235	493	280	380	220	320	32	21	8×4	110	60	18×7	118
175	5.5	481	262	262	374	192	175	160	260	558	310	410	250	350	37	21	10×5	110	65	18×7	167
175	7.5	481	262	262	374	192	175	160	260	558	310	410	250	350	37	21	10×5	110	65	18×7	167
200	7.5	516	258	305	412	230	200	175	290	620	355	445	290	390	45	24	10×5	125	70	20×7.5	237
200	11.0	543	285	305	412	230	200	175	290	620	355	445	290	390	45	24	10×5	125	70	20×7.5	237
250	11.0	615	330	360	500	285	250	200	350	750	460	560	380	480	50	28	12×5	155	90	25×9	374
250	15.0	615	330	360	500	285	250	200	350	750	460	560	380	480	50	28	12×5	155	90	25×9	374

**WPWD 型[MODEL]**



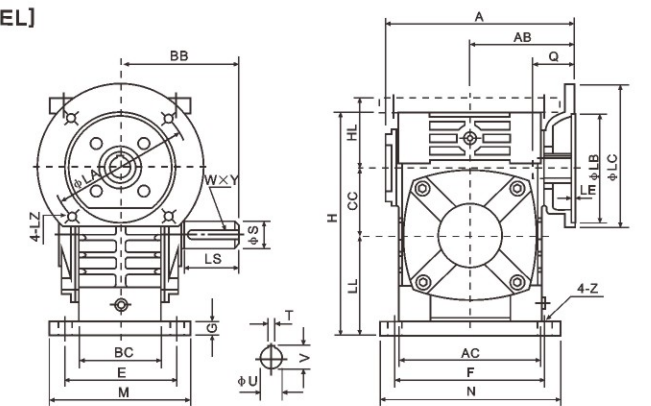
轴指向表示  
SHAFT DIRECTION



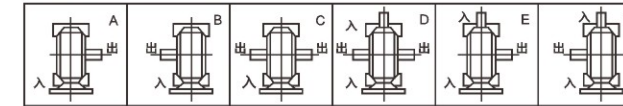
型号 size	入功率 (kw)	传动比 ratio	A	AB	BB	AC	BC	AD	BD	CC	HL	H	Z×L	电机法兰flange			入力孔input hole			输出轴output shaft			重量 (kg)	
														LA	LB	LC	LE	LZ	Q	U	T×V	LS		S
40	0.12	135	75	79	95	61	78	42	40	35	125	M6×12	115	95	140	4	M8	31	11	4×12.8	28	14	5×3	4
50	0.18	151	83	97	111	68	85	50	50	35	150	M6×18	115	95	140	4	M8	31	11	4×12.8	40	17	5×3	7
60	0.37	167	91	112	127	76	105	55	60	42	177	M8×20	130	110	160	4	M8	33	14	5×16.3	50	22	6×3.5	10
70	0.37	200	109	131	152	86	125	65	70	55	215	M10×25	130	110	160	4	M8	40	14	5×16.3	60	28	8×4	14.5
70	0.75	202	111	131	152	86	125	65	70	55	215	M10×25	165	130	200	4	M10	42	19	6×21.8	60	28	8×4	14.5
80	0.75	225	125	142	169	102	140	70	80	65	250	M12×28	165	130	200	4.5	M10	48	19	6×21.8	65	32	10×5	23
80	1.5	225	125	142	169	102	140	70	80	65	250	M12×28	165	130	200	4.5	M10	48	19	6×21.8	65	32	10×5	23
100	1.5	280	148	169	216	117	180	90	100	80	310	M12×30	165	130	200	4.5	M10	52	24	8×27.3	75	38	10×5	36.5
120	2.2	333	181	190	256	124	220	100	120	95	370	M14×32	215	180	250	5	M12	63	28	8×31.3	85	45	14×5.5	54
120	3.0	333	181	190	256	124	220	100	120	95	370	M14×32	215	180	250	5	M12	63	28	8×31.3	85	45	14×5.5	54
135	3.0	375	202	210	296	147	260	110	135	105	425	M16×35	215	180	250	5	M12	63	28	8×31.3	95	55	16×6	83
135	4.0	375	202	210	296	147	260	110	135	105	425	M16×35	215	180	250	5	M12	63	28	8×31.3	95	55	16×6	83
155	4.0	425	224	252	345	185	280	120	155	103	461	M16×35	215	180	250	5	M12	63	28	8×31.3	110	60	18×7	110
155	5.5	448	247	252	345	185	280	120	155	103	461	M16×35	265	230	300	5	M12	83	38	10×41.3	110	60	18×7	110
175	5.5	481	262	262	374	192	320	140	175	123	521	M16×35	265	230	300	5	M12	83	38	10×41.3	110	65	18×7	156
175	7.5	481	262	262	374	192	320	140	175	123	521	M16×35	265	230	300	5	M12	83	38	10×41.3	110	65	18×7	156
200	7.5	516	258	305	412	230	360	150	200	130	575	M20×36	265	230	300	6	M12	83	38	10×41.3	125	70	20×7.5	222
200	11.0	543	285	305	412	230	360	150	200	130	575	M20×36	300	250	350	6	M16	114	42	12×45.3	125	70	20×7.5	222
250	11.0	615	330	360	500	285	420	190	250	150	700	M24×42	300	250	350	6	M16	114	42	12×45.3	155	90	25×9	376
250	15.0	615	330	360	500	285	420	190	250	150	700	M24×42	300	250	350	6	M16	114	42	12×45.3	155	90	25×9	376

**WPWDA 型[MODEL]**

**WPWDS 型[MODEL]**



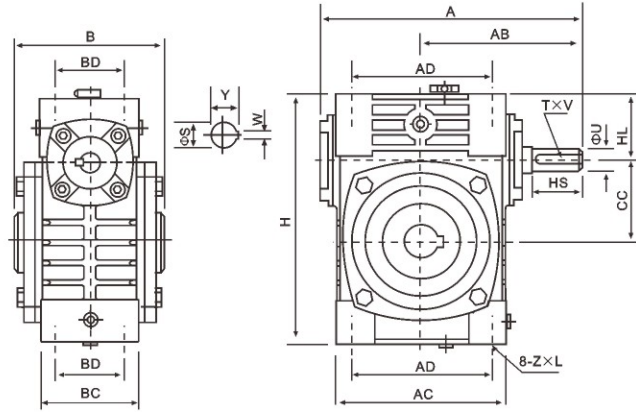
轴指向表示  
SHAFT DIRECTION



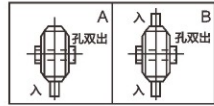
型号 size	入功率 (kw)	传动比 ratio	A	AB	BB	AC	BC	CC	HL	LL	H	M	N	E	F	G	Z	电机法兰flange			入力孔input hole			输出轴output shaft			重量 (kg)	
																		LA	LB	LC	LE	LZ	Q	U	T×V	LS		S
40	0.12	135	75	79	95	61	40	45	60	135	100	130	80	110	10	10	115	95	140	4	M8	31	11	4×12.8	28	14	5×3	5
50	0.18	151	83	97	111	68	50	50	80	165	120	140	95	110	15	12	115	95	140	4	M8	31	11	4×12.8	40	17	5×3	8
60	0.37	167	91	112	127	76	60	60	93	195	130	150	105	120	18	12	130	110	160	4	M8	33	14	5×16.3	50	22	6×3.5	12.5
70	0.37	200	109	131	152	86	70	73	108	233	150	190	115	150	18	15	130	110	160	4	M8	40	14	5×16.3	60	28	8×4	17
70	0.75	202	111	131	152	86	70	73	108	233	150	190	115	150	18	15	165	130	200	4	M10	42	19	6×21.8	60	28	8×4	17
80	0.75	225	125	142	169	102	80	83	123	268	170	220	135	180	18	15	165	130	200	4.5	M10	48	19	6×21.8	65	32	10×5	26
80	1.5	225	125	142	169	102	80	83	123	268	170	220	135	180	18	15	165	130	200	4.5	M10	48	19	6×21.8	65	32	10×5	26
100	1.5	280	148	169	216	117	100	100	150	330	190	270	155	220	20	15	165	130	200	4.5	M10	52	24	8×27.3	75	38	10×5	41.5
120	2.2	333	181	190	256	124	120	120	180	395	230	320	180	260	25	18	215	180	250	5	M12	63	28	8×31.3	85	45	14×5.5	60
120	3.0	333	181	190	256	124	120	120	180	395	230	320	180	260	25	18	215	180	250	5	M12	63	28	8×31.3	85	45	14×5.5	60
135	3.0	375	202	210	296	147	135	135	215	455	250	350	200	290	30													



**WPWK 型[MODEL]**

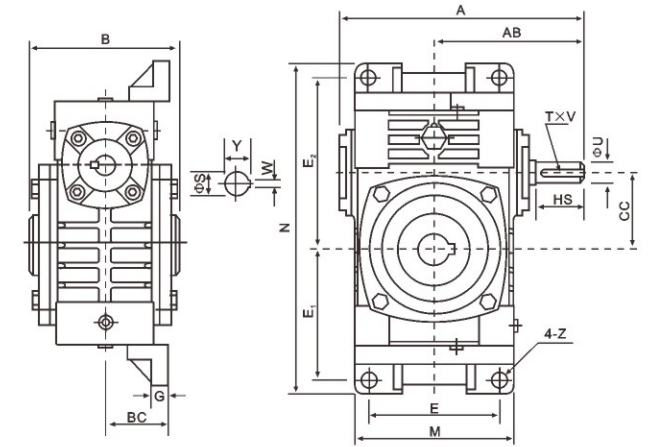


轴指向表示  
SHAFT DIRECTION

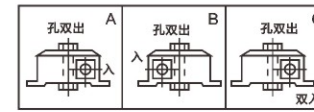


型号 size	传动比 ratio	A	AB	B	AC	BC	AD	BD	CC	HL	H	Z×L	输入轴input shaft			输出轴output shaft		重量 (kg)
													HS	U	T×V	S	W×Y	
40	1/10	149	89	90	95	61	78	42	40	35	125	M6×12	25	12	4×2.5	16	5×18.3	4
50		175	107	110	111	68	85	50	50	35	150	M6×18	30	12	4×2.5	20	6×22.8	6.5
60		198	122	120	127	76	105	55	60	42	177	M8×20	40	15	5×3	25	8×28.3	9
70		231	140	132	152	86	125	65	70	55	215	M10×25	40	18	6×3.5	30	8×33.3	13
80		261	160	150	169	102	140	70	80	65	250	M12×28	50	22	6×3.5	35	10×38.3	21
100		322	190	174	216	117	180	90	100	80	310	M12×30	50	25	8×4	40	12×43.3	34
120		381	229	180	256	124	220	100	120	95	370	M14×32	65	30	8×4	45	14×48.8	51
135		433	260	214	296	147	260	110	135	105	425	M16×35	75	35	10×5	60	18×64.4	78
155		504	302	256	345	185	280	120	155	103	461	M16×35	85	40	12×5	70	20×74.9	102
175		545	325	282	374	192	320	140	175	123	521	M16×35	85	45	14×5.5	80	22×85.4	142
200	1/60	587	350	324	412	230	360	150	200	130	575	M20×36	95	50	14×5.5	85	22×90.4	202
250		705	420	400	500	285	420	190	250	150	700	M24×42	110	60	18×7	110	28×116.4	340

**WPWKO 型[MODEL]**

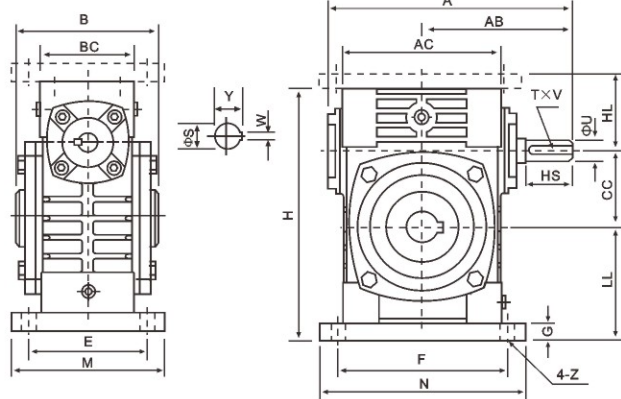
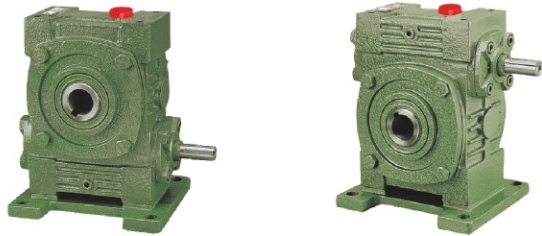


轴指向表示  
SHAFT DIRECTION

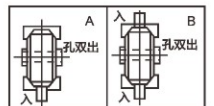


型号 size	传动比 ratio	A	AB	B	BC	CC	M	N	E	E <sub>1</sub>	E <sub>2</sub>	G	Z	输入轴input shaft			输出轴output shaft		重量 (kg)
														HS	U	T×V	S	W×Y	
40	1/10	149	89	90	45	40	95	187	70	72	97	12	10	25	12	4×2.5	16	5×18.3	5
50		175	107	110	50	50	111	226	90	90	110	14	12	30	12	4×2.5	20	6×22.8	8
60		198	122	120	55	60	127	257	100	102	129	15	12	40	15	5×3	25	8×28.3	11
70		231	140	132	65	70	152	305	120	120	155	20	15	40	18	6×3.5	30	8×33.3	15.5
80		261	160	150	70	80	174	350	140	140	180	20	15	50	22	6×3.5	35	10×38.3	24
100		322	190	174	90	100	224	410	190	165	215	22	15	50	25	8×4	40	12×43.3	38
120		381	229	180	100	120	264	494	220	195	255	25	18	65	30	8×4	45	14×48.8	56
135		433	260	214	110	135	304	559	260	230	285	30	18	75	35	10×5	60	18×64.4	84
155		504	302	256	140	155	345	605	290	250	305	35	21	85	40	12×5	70	20×74.9	129
175		545	325	282	150	175	374	675	320	273	348	40	21	85	45	14×5.5	80	22×85.4	157
200	1/60	587	350	324	175	200	424	749	370	305	390	40	24	95	50	14×5.5	85	22×90.4	224
250		705	420	400	200	250	510	920	440	375	475	45	28	110	60	18×7	110	28×116.4	374

**WPWKA 型[MODEL] WPWKS 型[MODEL]**

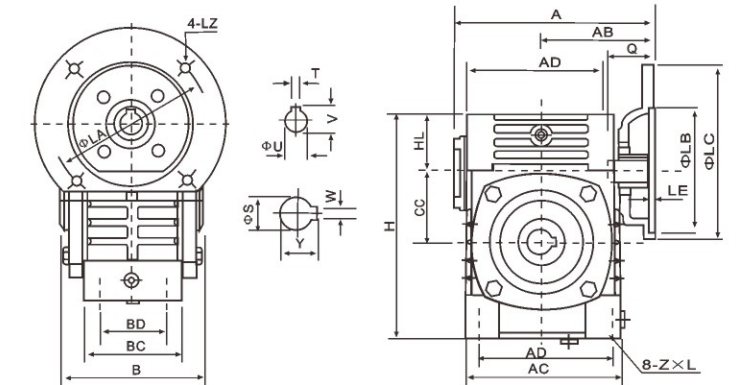


轴指向表示  
SHAFT DIRECTION

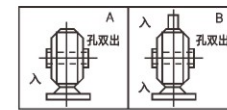


型号 size	传动比 ratio	A	AB	B	AC	BC	CC	HL	LL	H	M	N	E	F	G	Z	输入轴input shaft			输出轴output shaft		重量 (kg)
																	HS	U	T×V	S	W×Y	
40	1/10	149	89	90	95	61	40	45	60	135	100	130	80	110	10	10	25	12	4×2.5	16	5×18.3	4.5
50		175	107	110	111	68	50	50	80	165	120	140	95	110	15	12	30	12	4×2.5	20	6×22.8	7.5
60		198	122	120	127	76	60	60	93	195	130	150	105	120	18	12	40	15	5×3	25	8×28.3	11.5
70		231	140	132	152	86	70	73	108	233	150	190	115	150	18	15	40	18	6×3.5	30	8×33.3	15.5
80		261	160	150	169	102	80	83	123	268	170	220	135	180	18	15	50	22	6×3.5	35	10×38.3	24
100		322	190	174	216	117	100	100	150	330	190	270	155	220	20	15	50	25	8×4	40	12×43.3	39
120		381	229	180	256	124	120	120	180	395	230	320	180	260	25	18	65	30	8×4	45	14×48.8	57
135		433	260	214	296	147	135	135	215	455	250	350	200	290	30	18	75	35	10×5	60	18×64.4	85
155		504	302	256	345	185	155	135	235	493	280	380	220	320	32	21	85	40	12×5	70	20×74.9	110
175		545	325	282	374	192	175	160	260	558	310	410	250	350	37	21	85	45	14×5.5	80	22×85.4	152
200	1/60	587	350	324	412	230	200	175	290	620	355	445	290	390	45	24	95	50	14×5.5	85	22×90.4	216
250		705	420	400	500	285	250	200	350	750	460	560	380	480	50	28	110	60	18×7	110	28×116.4	350

**WPWDK 型[MODEL]**



轴指向表示  
SHAFT DIRECTION



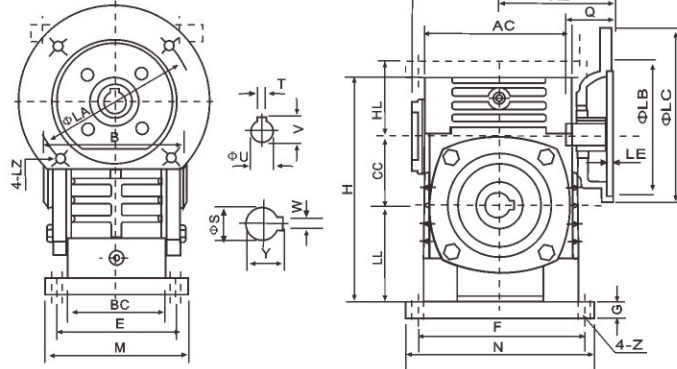
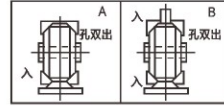
型号 size	入功率 (kw)	传动比 ratio	A	AB	B	AC	BC	AD	BD	CC	HL	H	Z×L	电机法兰flange				输入孔input hole			输出轴output shaft		重量 (kg)			
														LA	LB	LC	LE	LZ	Q	U	T×V	S		W×Y		
40	0.12	1/10	135	75	90	95	61	78	42	40	35	125	M6×12	115	95	140	4	M8	31	11	4×12.8	16	5×18.3	4		
50	0.18		151	83	110	111	68	85	50	50	35	150	M6×18	115	95	140	4	M8	31	11	4×12.8	20	6×22.8	7		
60	0.37		167	91	120	127	76	105	55	60	42	177	M8×20	130	110	160	4	M8	33	14	5×16.3	25	8×28.3	10		
70	0.37		200	109	132	152	86	125	65	70	55	215	M10×25	130	110	160	4	M8	40	14	5×16.3	30	8×33.3	14.5		
	0.75		202	111										M10	42	19									6×21.8	
80	0.75		1/15	225	125	150	169	102	140	70	80	65	250	M12×28	165	130	200	4.5	M10	48	19	6×21.8	35	10×38.3	23	
	1.5			48	19										6×21.8											
100	1.5			1/20	280	148	174	216	117	180	90	100	80	310	M12×30	165	130	200	4.5	M10	52	24	8×27.3	40	12×43.3	36.5
	2.2				52	24										8×27.3										
120	3.0			1/25	333	181	180	256	124	220	100	120	95	370	M14×32	215	180	250	5	M12	63	28	8×31.3	45	14×48.8	54
	4.0	63			28	8×31.3																				
135	4.0	1/30		375	202	214	296	147	260	110	135	105	425	M16×35	215	180	250	5	M12	63	28	8×31.3	60	18×64.4	83	
	5.5			63	28										8×31.3											
155	5.5	1/50		425	224	256	345	185	280	120	155	103	461	M16×35	215	180	250	5	M12	63	28	8×31.3	70	20×74.9	110	
	7.5			63	28										8×31.3											
175	7.5	1/60	481	262	282	374	192	320	140	175	123	521	M16×35	265	230	300	5	M12	83	38	10×41.3	80	22×85.4	156		
	11.0		83	38										10×41.3												
200	11.0	1/60	516	258	324	412	230	360	150	200	130	575	M20×36	265	230	300	5	M12	83	38	10×41.3	85	22×90.4	222		
	15.0		83	38										10×41.3												
250	15.0	1/60	615	330	400	500	285	420	190	250	150	700	M24×42	300	250	350	6	M16	114	42	12×45.3	110	28×116.4	376		
	15.0		114	42										12×45.3												



WPWDKA 型[MODEL] WPWDKS 型[MODEL]



轴指向表示  
SHAFT DIRECTION

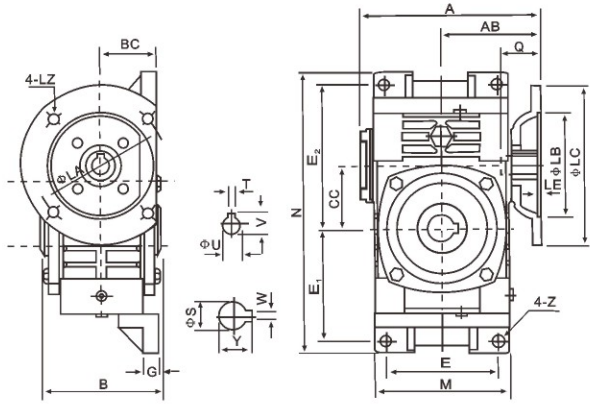
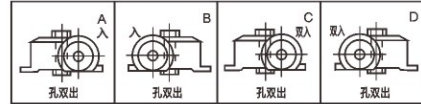


型号 size	入功率 (kw)	传动比 ratio	电机法兰flange																输入孔input hole				输出轴output shaft			重量 (kg)		
			A	AB	B	AC	BC	CC	HL	LL	H	M	N	E	F	G	Z	LA	LB	LC	LE	LZ	Q	U	T×V		S	W×Y
40	0.12		135	75	90	95	61	40	45	60	135	100	130	80	110	10	10	115	95	140	4	M8	31	11	4×12.8	16	5×18.3	5
50	0.18		151	83	110	111	68	50	50	80	165	120	140	95	110	15	12	115	95	140	4	M8	31	11	4×12.8	20	6×22.8	8
60	0.37		167	91	120	127	76	60	60	93	195	130	150	105	120	18	12	130	110	160	4	M8	33	14	5×16.3	25	8×28.3	12.5
70	0.37		200	109	132	152	86	70	73	108	233	150	190	115	150	18	15	130	110	160	4	M8	40	14	5×16.3	30	8×33.3	17
80	0.75	1/10	225	125	150	169	102	80	83	123	268	170	220	135	180	18	15	165	130	200	4.5	M10	48	19	6×21.8	35	10×38.3	26
100	1.5	1/15	280	148	174	216	117	100	100	150	330	190	270	155	220	20	15	165	130	200	4.5	M10	52	24	8×27.3	40	12×43.3	41.5
120	2.2	1/20	333	181	180	256	124	120	120	180	395	230	320	180	260	25	18	215	180	250	5	M12	63	28	8×31.3	45	14×48.8	60
135	3.0	1/25	375	202	214	296	147	135	135	215	455	250	350	200	290	30	18	215	180	250	5	M12	63	28	8×31.3	60	18×64.4	90
155	4.0	1/30	425	224	256	345	185	155	135	235	493	280	380	220	320	32	21	215	180	250	5	M12	63	28	8×31.3	70	20×74.9	118
175	5.5	1/40	448	247	256	345	185	155	135	235	493	280	380	220	320	32	21	265	230	300	5	M12	83	38	10×41.3	80	22×85.4	167
200	7.5	1/50	481	262	282	374	192	175	160	260	558	310	410	250	350	37	21	265	230	300	5	M12	83	38	10×41.3	85	22×90.4	237
250	15.0	1/60	516	258	324	412	230	200	175	290	620	355	445	290	390	45	24	300	250	350	6	M16	114	42	12×45.3	110	28×116.4	395

WPWDKO 型[MODEL]



轴指向表示  
SHAFT DIRECTION

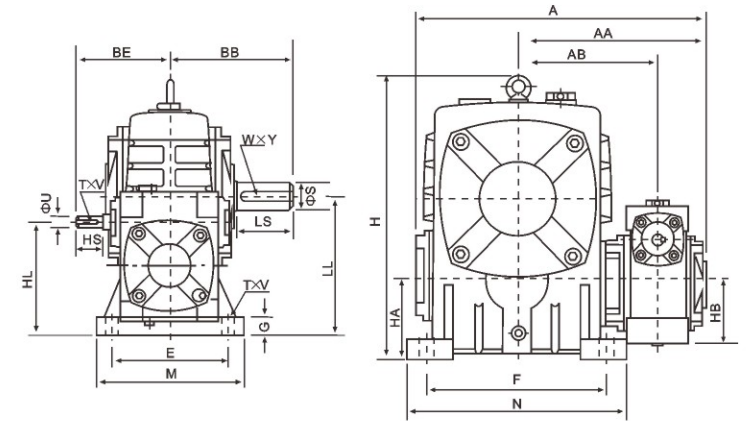
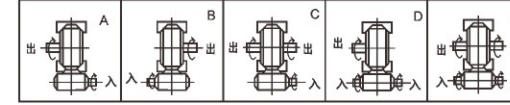


型号 size	入功率 (kw)	传动比 ratio	电机法兰flange																输入孔input hole				输出轴output shaft			重量 (kg)
			A	AB	B	BC	CC	M	N	E	E <sub>1</sub>	E <sub>2</sub>	G	Z	LA	LB	LC	LE	LZ	Q	U	T×V	S	W×Y		
40	0.12		135	75	90	45	40	95	187	70	72	97	12	10	115	95	140	4	M8	31	11	4×12.8	16	5×18.3	5.4	
50	0.18		151	83	110	50	50	111	226	90	90	110	14	12	115	95	140	4	M8	31	11	4×12.8	20	6×22.8	8.5	
60	0.37		167	91	120	55	60	127	257	100	102	129	15	12	130	110	160	4	M8	33	14	5×16.3	25	8×28.3	12	
70	0.37		200	109	132	65	70	152	305	120	120	155	20	15	130	110	160	4	M8	40	14	5×16.3	30	8×33.3	17	
80	0.75	1/10	225	125	150	70	80	174	350	140	140	180	20	15	165	130	200	4.5	M10	48	19	6×21.8	35	10×38.3	26	
100	1.5	1/15	280	148	174	90	100	224	410	190	165	215	22	15	165	130	200	4.5	M10	52	24	8×27.3	40	12×43.3	40.5	
120	2.2	1/20	333	181	180	100	120	264	494	220	195	255	25	18	215	180	250	5	M12	63	28	8×31.3	45	14×48.8	59	
135	3.0	1/30	375	202	214	110	135	304	559	260	230	285	30	18	215	180	250	5	M12	63	28	8×31.3	60	18×64.4	89	
155	4.0	1/40	425	224	256	140	155	345	605	290	250	305	35	21	215	180	250	5	M12	63	28	8×31.3	70	20×74.9	138	
175	5.5	1/50	448	247	256	140	155	345	605	290	250	305	35	21	265	230	300	5	M12	83	38	10×41.3	80	22×85.4	172	
200	7.5	1/60	481	262	282	150	175	374	675	320	273	348	40	21	265	230	300	5	M12	83	38	10×41.3	85	22×90.4	246	
250	15.0		516	258	324	175	200	424	749	370	305	390	40	24	300	250	350	6	M16	114	42	12×45.3	110	28×116.4	410	

WPEA 型[MODEL]



轴指向表示  
SHAFT DIRECTION

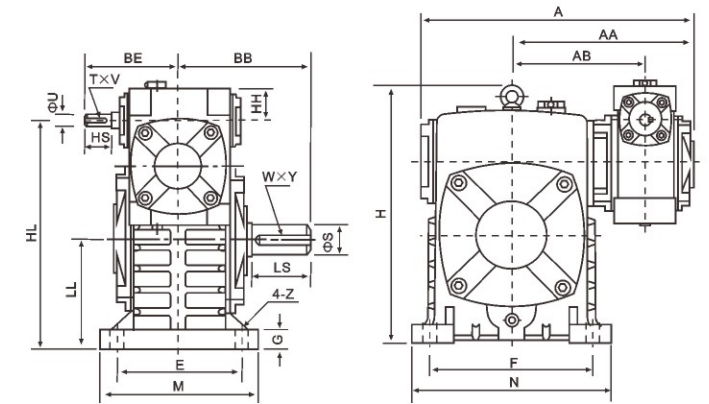
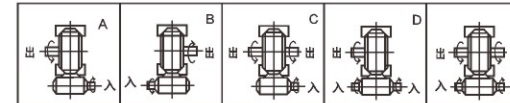


型号 size	传动比 ratio	输入孔input hole																输出轴output shaft			重量 (kg)			
		A	AA	AB	BB	BE	HL	LL	H	HA	HB	M	N	E	F	G	Z	HS	U	T×V		LS	S	W×Y
40-70		262	171	126	131	89	110	140	236	70	50	150	190	115	150	20	15	25	12	4×2.5	60	28	8×4	20
50-80	1/200	297	197	144	142	107	130	160	268	80	65	170	220	135	180	20	15	30	12	4×2.5	65	32	10×5	27
60-100	1/300	363	231	175	169	122	160	200	336	100	75	190	270	155	220	25	15	40	15	5×3	75	38	10×5	44
70-120	1/400	408	256	193	190	140	190	240	430	120	90	230	320	180	260	30	18	40	18	6×3.5	85	45	14×5.5	73
80-135	1/500	471	298	226	210	160	215	270	480	135	105	250	350	200	290	30	18	50	22	6×3.5	95	55	16×6	101
80-147	1/600	476	301	229	212	160	203	270	501	123	105	250	350	200	280	32	18	50	22	6×3.5	95	55	16×6	112
100-155	1/800	555	354	269	252	190	235	290	531	135	130	275	390	220	320	35	21	50	25	8×4	110	60	18×7	144
120-175	1/900	598	379	287	262	229	280	335	600	160	155	310	430	250	350	40	21	65	30	8×4	110	65	18×7	201
135-200		662	425	318	305	260	310	375	666	175	185	360	480	290	390	40	24	75	35	10×5	125	70	20×7.5	293
155-250		795	510	380	360	302	355	450	800	200	203	460	560	380	480	45	28	85	40	12×5	155	90	25×9	462

WPES 型[MODEL]



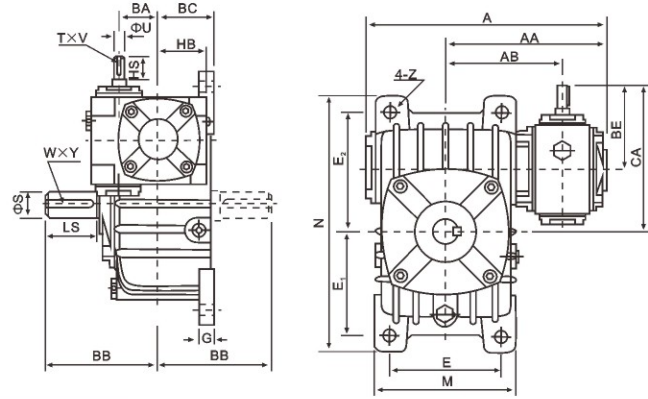
轴指向表示  
SHAFT DIRECTION



型号 size	传动比 ratio	输入孔input hole																输出轴output shaft			重量 (kg)		
		A	AA	AB	BB	BE	HH	HL	LL	H	M	N	E	F	G	Z	HS	U	T×V	LS		S	W×Y
40-70		262	171	126	131	89	35	215	105	238	150	190	115	150	20	15	25	12	4×2.5	60	28	8×4	20
50-80	1/200	297	197	144	142	107	35	250	120	273	170	220	135	180	20	15	30	12	4×2.5	65	32	10×5	27
60-100	1/300	363	231	175	169	122	42	310	150	334	190	270	155	220	25	15	40	15	5×3	75	38	10×5	44
70-120	1/400	408	256	193	190	140	55	370	180	423	230	320	180	260	30	18	40	18	6×3.5	85	45	14×5.5	73
80-135	1/500	471	298	226	210	160	65	430	215	482	250	350	200	290	30	18	50	22	6×3.5	95	55	16×6	101
80-147	1/600	476	301	229	212	160	65	430	203	495	250	350	200	280	32	18	50	22	6×3.5	95	55	16×6	112
100-155	1/800	555	354	269	252	190	80	490	235	541	275	390	220	320	35	21	50	25	8×4	110	60	18×7	144
120-175	1/900	598	379	287	262	229	95	555	260	600	310	430	250	350	40	21	65	30	8×4	110	65	18×7	201
135-200		662	425	318	305	260	105	625	290	677	360	480	290	390	40	24	75	35	10×5	125	70	20×7.5	293
155-250		795	510	380	360	302	103	755	350	824	460	560	380	480	45	28	85	40	12×5	155	90	25×9	462

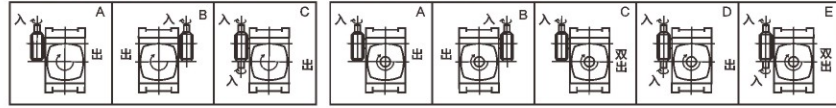


**WPEX 型[MODEL] WPEO 型[MODEL]**



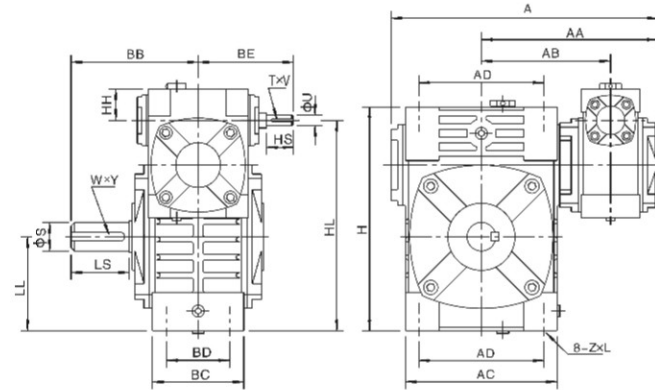
WPEX轴指向表示  
SHAFT DIRECTION

WPEO轴指向表示  
SHAFT DIRECTION

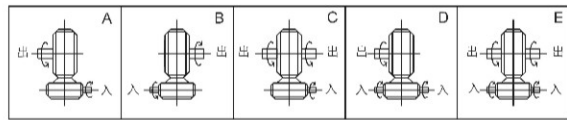


型号 size	传动比 ratio	A	AA	AB	BA	BB	BC	BE	HB	CA	M	N	E	E <sub>1</sub>	E <sub>2</sub>	G	Z	输入轴input hole			输出轴output shaft			重量 (kg)
																		HS	U	T×V	LS	S	W×Y	
40-70	1/200	262	171	126	40	131	65	89	50	159	156	295	120	120	135	20	15	25	12	4×2.5	60	28	8×4	19
50-80		297	197	144	50	142	70	107	65	187	175	320	140	130	150	20	15	30	12	4×2.5	65	32	10×5	27
60-100	1/300	363	231	175	60	169	90	122	75	222	224	375	190	155	180	26	15	40	15	5×3	75	38	10×5	44
70-120		408	256	193	70	190	100	140	90	260	266	450	220	185	215	30	18	40	18	6×3.5	85	45	14×5.5	63
80-135	1/400	471	298	226	80	210	110	160	105	295	306	495	260	210	235	30	18	50	22	6×3.5	95	55	16×6	96
80-147		476	301	229	80	212	113	160	105	307	310	556	250	254	254	32	18	50	22	6×3.5	95	55	16×6	112
100-155	1/600	555	354	269	100	252	140	190	130	345	350	590	290	245	295	35	21	50	25	8×4	110	60	18×7	149
120-175		598	379	287	120	262	150	229	155	404	394	640	320	267	323	40	21	65	30	8×4	110	65	18×7	191
135-200	1/900	662	425	318	135	305	175	260	185	460	440	710	370	290	360	40	24	75	35	10×5	125	70	20×7.5	278
155-250		795	510	380	155	360	200	302	203	552	510	860	440	350	440	45	28	85	40	12×5	155	90	25×9	442

**WPWE 型[MODEL]**

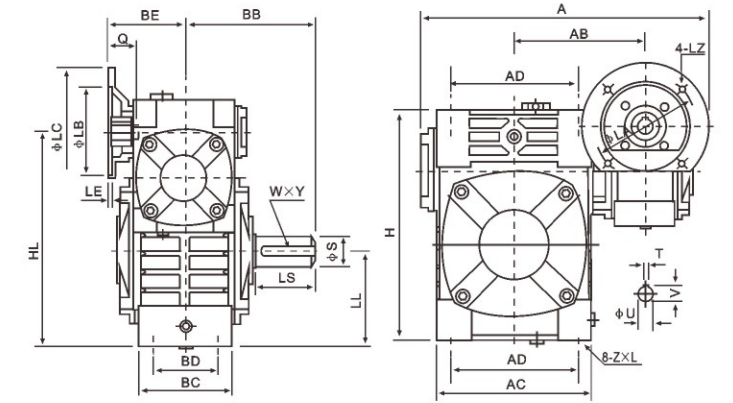


轴指向表示 SHAFT DIRECTION

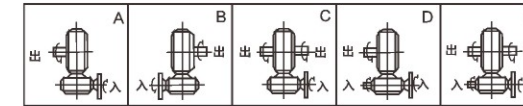


型号 size	传动比 ratio	A	AA	AB	BB	BE	AC	BC	AD	BD	HH	HL	LL	H	Z×L	输入轴 input shaft			输出轴 output shaft			重量 (kg)
																HS	U	T×V	LS	S	W×Y	
40-70	200	262	171	126	131	89	152	86	125	65	35	200	90	215	M10×25	25	12	4×2.5	60	28	8×4	17
50-80		297	197	144	142	107	169	102	140	70	35	235	105	250	M12×28	30	12	4×2.5	65	32	10×5	28
60-100	300	363	231	175	169	122	216	117	180	90	42	290	130	310	M12×30	40	15	5×3	75	38	10×5	43
70-120		408	256	193	190	140	256	124	220	100	55	345	155	370	M14×32	40	18	6×3.5	85	45	14×5.5	64
80-135	500	471	298	226	210	160	296	147	260	110	65	400	185	425	M16×35	50	22	6×3.5	95	55	16×6	99
100-155		555	354	269	252	190	345	185	280	120	80	458	203	461	M16×35	50	25	8×4	110	60	18×7	136
120-175	800	598	379	287	262	229	374	192	320	140	95	518	223	521	M16×35	65	30	8×4	110	65	18×7	193
135-200		662	425	318	305	260	412	230	360	150	105	580	245	575	M20×36	75	35	10×5	125	70	20×7.5	280
155-250	900	795	510	380	360	302	500	285	420	190	103	705	300	700	M24×42	85	40	12×5	155	90	25×9	442

**WPWED 型[MODEL]**

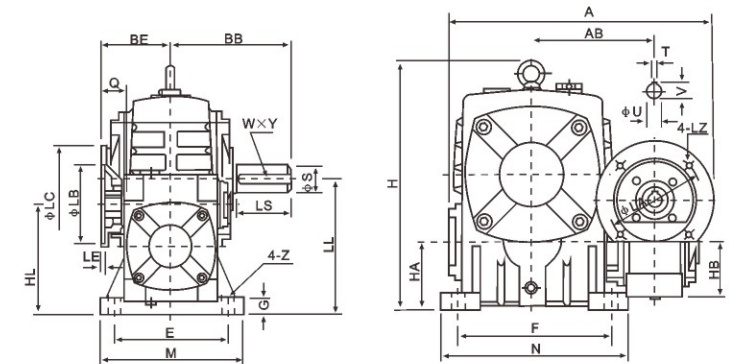


轴指向表示  
SHAFT DIRECTION

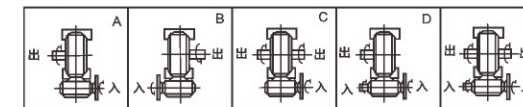


型号 size	入功率 (kw)	传动比 ratio	A	AB	BB	BE	AC	BC	AD	BD	HL	LL	H	Z×L	电机法兰flange					入力孔input hole			输出轴output shaft			重量 (kg)
															LA	LB	LC	LE	LZ	Q	U	T×V	LS	S	W×Y	
40-70	0.12	1/200	287	126	131	75	152	86	125	65	200	90	215	M10×25	115	95	140	4	M8	31	11	4×12.8	60	28	8×4	17
50-80	0.18		314	144	142	83	169	102	140	70	235	105	250	M12×28	115	95	140	4	M8	31	11	4×12.8	65	32	10×5	28
60-100	0.37	1/300	387	175	169	91	216	117	180	90	290	130	310	M12×30	130	110	160	4	M8	33	14	5×16.3	75	38	10×5	44
70-120	0.75		425	193	190	109	256	124	220	100	345	155	370	M14×32	130	110	160	4	M8	40	14	5×16.3	85	45	14×5.5	66
80-135	1.5	1/400	499	226	210	125	296	147	260	110	400	185	425	M16×35	165	130	200	4.5	M10	48	19	6×21.8	95	55	16×6	101
100-155	1.5		570	269	252	148	345	185	280	120	458	203	461	M16×35	165	130	200	4.5	M10	52	24	8×27.3	110	60	18×7	139
120-175	2.2	1/800	631	287	262	181	374	192	320	140	518	223	521	M16×35	215	180	250	5	M12	63	28	8×31.3	110	65	18×7	196
135-200	3.0		680	318	305	202	412	230	360	150	580	245	575	M20×36	215	180	250	5	M12	63	28	8×31.3	125	70	20×7.5	285
155-250	4.0	5.5	815	380	360	224	500	285	420	190	705	300	700	M24×42	215	180	250	5	M12	63	28	8×31.3	155	90	25×9	450
	5.5		265	230	300	5	M12	83	38	10×41.3																

**WPEDA 型[MODEL]**



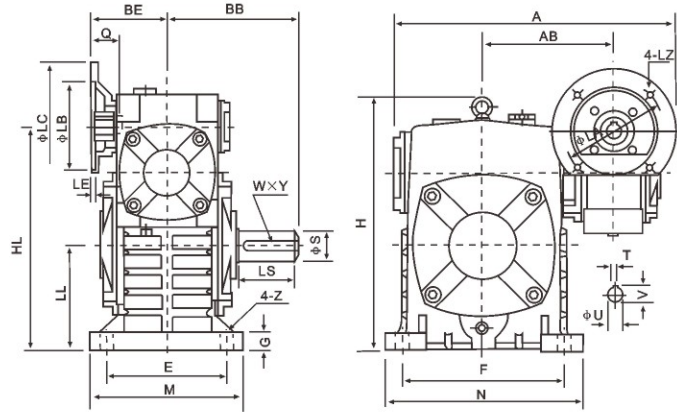
轴指向表示  
SHAFT DIRECTION



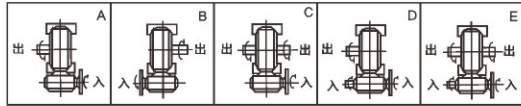
型号 size	入功率 (kw)	减速比 ratio	A	AB	BB	BE	HL	LL	H	HA	HB	M	N	E	F	G	Z	电机法兰flange					入力孔input hole			输出轴output shaft			重量 (kg)
																		LA	LB	LC	LE	LZ	Q	U	T×V	LS	S	W×Y	
40-70	0.12	1/200	287	126	131	75	110	140	236	70	50	150	190	115	150	20	15	115	95	140	4	M8	31	11	4×12.8	60	28	8×4	19
50-80	0.18		314	144	142	83	130	160	268	80	65	170	220	135	180	20	15	115	95	140	4	M8	31	11	4×12.8	65	32	10×5	27
60-100	0.37	1/300	387	175	169	91	160	200	336	100	75	190	270	155	220	25	15	130	110	160	4	M8	33	14	5×16.3	75	38	10×5	45
70-120	0.75		425	193	190	109	190	240	430	120	90	230	320	180	260	30	18	130	110	160	4	M8	40	14	5×16.3	85	45	14×5.5	75
80-135	1.5	1/400	499	226	210	125	215	270	480	135	105	250	350	200	290	30	18	165	130	200	4.5	M10	48	19	6×21.8	95	55	16×6	103
100-155	1.5		570	269	252	148	235	290	531	135	130	275	390	220	320	35	21	165	130	200	4.5	M10	52	24	8×27.3	110	60	18×7	147
120-175	2.2	1/800	631	287	262	181	280	335	600	160	155	310	430	250	350	40	21	215	180	250	5	M12	63	28	8×31.3	110	65	18×7	204
135-200	3.0		680	318	305	202	310	375	666	175	185	360	480	290	390	40	24	215	180	250	5	M12	63	28	8×31.3	125	70	20×7.5	298
155-250	4.0	5.5	815	380	360	224	355	450	800	200	203	460	560	380	480	45	28	215	180	250	5	M12	63	28	8×31.3	155	90	25×9	470
	5.5		265	230	300	5	M12	83	38	10×41.3																			



**WPEDS 型[MODEL]**

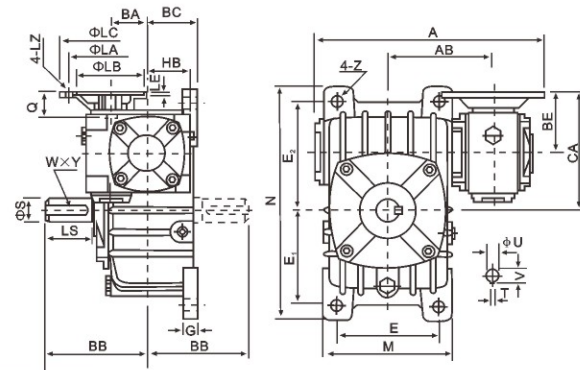


轴指向表示  
SHAFT DIRECTION

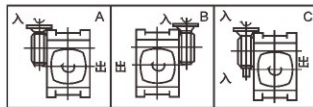


型号 size	入功率 (kw)	减速比 ratio	A	AB	BB	BE	HL	LL	H	M	N	E	F	G	Z	电机法兰flange					入力孔input hole			输出轴output shaft			重量 (kg)
																LA	LB	LC	LE	LZ	Q	U	T×V	LS	S	W×Y	
40-70	0.12		287	126	131	75	215	105	238	150	190	115	150	20	15	115	95	140	4	M8	31	11	4×12.8	60	28	8×4	19
50-80	0.18		314	144	142	83	250	120	273	170	220	135	180	20	15	115	95	140	4	M8	31	11	4×12.8	65	32	10×5	27
60-100	0.37		387	175	169	91	310	150	334	190	270	155	220	25	15	130	110	160	4	M8	33	14	5×16.3	75	38	10×5	45
70-120	0.37	1/200	425	193	190	109	370	180	423	230	320	180	260	30	18	130	110	160	4	M8	40	14	5×16.3	85	45	14×5.5	75
	0.75		445			165										130	200	M10		42	19	6×21.8					
80-135	0.75	1/300	499	226	210	125	430	215	482	250	350	200	290	30	18	165	130	200	4.5	M10	48	19	6×21.8	95	55	16×6	103
	1.5		504			165										130	200	M10		52	24	8×27.3					
80-147	0.75	1/400	504	229	212	125	430	203	495	250	350	200	280	32	18	165	130	200	4.5	M10	48	19	6×21.8	95	55	16×6	114
	1.5		570			165										130	200	M10		52	24	8×27.3					
100-155	1.5	1/600	570	269	252	148	490	235	541	275	390	220	320	35	21	165	130	200	4.5	M10	52	24	8×27.3	110	60	18×7	147
120-175	2.2	1/800	631	287	262	181	555	260	600	310	430	250	350	40	21	215	180	250	5	M12	63	28	8×31.3	110	65	18×7	204
	3.0		680			215										180	250	M12		63	28	8×31.3					
135-200	3.0	1/900	680	318	305	202	625	290	677	360	480	290	390	40	24	215	180	250	5	M12	63	28	8×31.3	125	70	20×7.5	298
	4.0		815			215										180	250	M12		63	28	8×31.3					
155-250	4.0	5.5	815	380	360	224	755	350	824	460	560	380	480	45	28	215	180	250	5	M12	63	28	8×31.3	155	90	25×9	470
	5.5		247			265										230	300	M12		83	38	10×41.3					

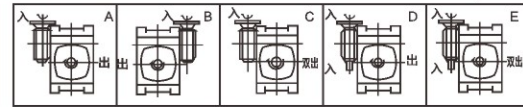
**WPEDX 型[MODEL] WPEDO 型[MODEL]**



WPEDX轴指向表示  
SHAFT DIRECTION

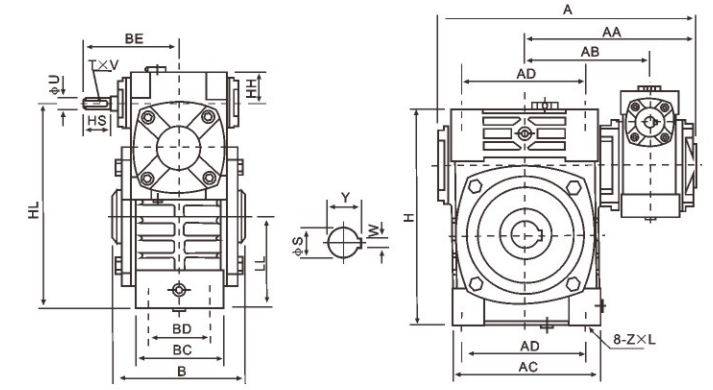


WPEDO轴指向表示  
SHAFT DIRECTION

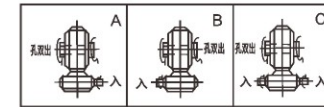


型号 size	入功率 (kw)	传动比 ratio	A	AB	BA	BB	BC	BE	HB	CA	M	N	E	E <sub>1</sub>	E <sub>2</sub>	G	Z	电机法兰flange					入力孔input hole			输出轴output shaft			重量 (kg)
																		LA	LB	LC	LE	LZ	Q	U	T×V	LS	S	W×Y	
40-70	0.12		287	126	40	131	65	75	50	145	156	295	120	120	135	20	15	115	95	140	4	M8	31	11	4×12.8	60	28	8×4	19
50-80	0.18		314	144	50	142	70	83	65	163	175	320	140	130	150	20	15	115	95	140	4	M8	31	11	4×12.8	65	32	10×5	27
60-100	0.37		387	175	60	169	90	91	75	191	224	375	190	155	180	26	15	130	110	160	4	M8	33	14	5×16.3	75	38	10×5	45
70-120	0.37	1/200	425	193	70	190	100	109	90	229	266	450	220	185	215	30	18	130	110	160	4	M8	40	14	5×16.3	85	45	14×5.5	65
	0.75		445			165		130		200								M10	42	19		6×21.8							
80-135	0.75	1/300	499	226	80	210	110	125	105	260	306	495	260	210	235	30	18	165	130	200	4.5	M10	48	19	6×21.8	95	55	16×6	98
	1.5		504			165		130		200								M10	52	24		8×27.3							
80-147	0.75	1/400	504	229	80	212	113	125	105	272	310	556	250	254	32	18	165	130	200	4.5	M10	48	19	6×21.8	95	55	16×6	114	
	1.5		570			165		130		200							M10	52	24		8×27.3								
100-155	1.5	1/600	570	269	100	252	140	148	130	303	350	590	290	245	295	35	21	165	130	200	4.5	M10	52	24	8×27.3	110	60	18×7	152
120-175	2.2	1/800	631	287	120	262	150	181	155	356	394	640	320	267	323	40	21	215	180	250	5	M12	63	28	8×31.3	110	65	18×7	194
	3.0		680			215		180		250								M12	63	28		8×31.3							
135-200	3.0	1/900	680	318	135	305	175	202	185	402	440	710	370	290	360	40	24	215	180	250	5	M12	63	28	8×31.3	125	70	20×7.5	283
	4.0		815			215		180		250								M12	63	28		8×31.3							
155-250	4.0	5.5	815	380	155	360	200	224	203	474	510	860	440	350	440	45	28	215	180	250	5	M12	63	28	8×31.3	155	90	25×9	450
	5.5		247			265		230		300								M12	83	38		10×41.3							

**WPWEK 型[MODEL]**

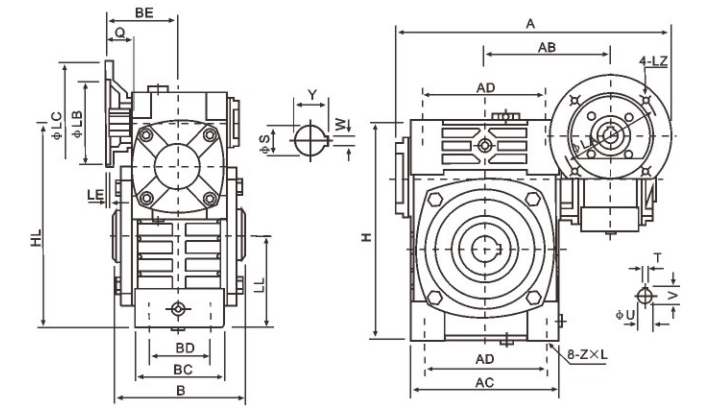


轴指向表示  
SHAFT DIRECTION

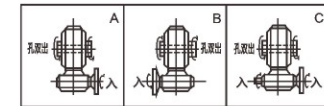


型号 size	传动比 ratio	A	AA	AB	B	BE	AC	BC	AD	BD	HH	HL	LL	H	Z×L	输入轴input hole			输出轴output shaft			重量 (kg)
																HS	U	T×V	S	W×Y	HS	
40-70		262	171	126	132	89	152	86	125	65	35	200	90	215	M10 X25	25	12	4×2.5	30	8×33.3	17	
50-80		297	197	144	150	107	169	102	140	70	35	235	105	250	M12 X28	30	12	4×2.5	35	10×38.3	28	
60-100	1/200	363	231	175	174	122	216	117	180	90	42	290	130	310	M12 X30	40	15	5×3	40	12×43.3	43	
70-120	1/300	408	256	193	180	140	256	124	220	100	55	345	155	370	M14 X32	40	18	6×3.5	45	14×48.8	64	
80-135	1/400	471	298	226	214	160	296	147	260	110	65	400	185	425	M16 X35	50	22	6×3.5	60	18×64.4	99	
100-155	1/500	555	354	269	256	190	345	185	280	120	80	458	203	461	M16 X35	50	25	8×4	70	20×74.9	136	
120-175	1/600	598	379	287	282	229	374	192	320	140	95	518	223	521	M16 X35	65	30	8×4	80	22×85.4	193	
135-200	1/800	662	425	318	324	260	412	230	360	150	105	580	245	575	M20 X36	75	35	10×5	85	22×90.4	280	
155-250	1/900	795	510	380	400	302	500	285	420	190	103	705	300	700	M24 X42	85	40	12×5	110	28×116.4	442	

**WPWEDK 型[MODEL]**



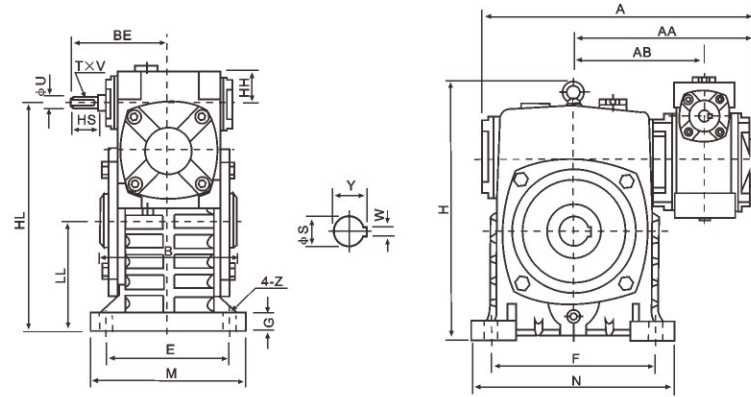
轴指向表示  
SHAFT DIRECTION



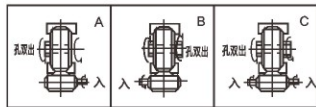
型号 size	入功率 (kw)	传动比 ratio	A	AB	B	BE	AC	BC	AD	BD	HL	LL	H	Z×L	电机法兰flange					入力孔input hole			输出轴output shaft			重量 (kg)
															LA	LB	LC	LE	LZ	Q	U	T×V	LS	S	W×Y	
40-70	0.12		287	126	132	75	152	86	125	65	200	90	215	M10 X25	115	95	140	4	M8	31	11	4×12.8	60	28	8×4	19
50-80	0.18		314	144	150	83	169	102	140	70	235	105	250	M12 X28	115	95	140	4	M8	31	11	4×12.8	65	32	10×5	27
60-100	0.37		387	175	174	91	216	117	180	90	290	130	310	M12 X30	130	110	160	4	M8	33	14	5×16.3	75	38	10×5	45
70-120	0.37	1/200	425	193	180	109	256	124	220	100	345	155	370	M14 X32	130	110	160	4	M8	40	14	5×16.3	85	45	14×48.8	66
	0.75		445			165									130	200	M10		42	19	6×21.8					
80-135	0.75	1/300	499	226	214	125	296	147	260	110	400	185	425	M16 X35	165	130	200	4.5	M10	48	19	6×21.8				



**WPEKS 型[MODEL]**

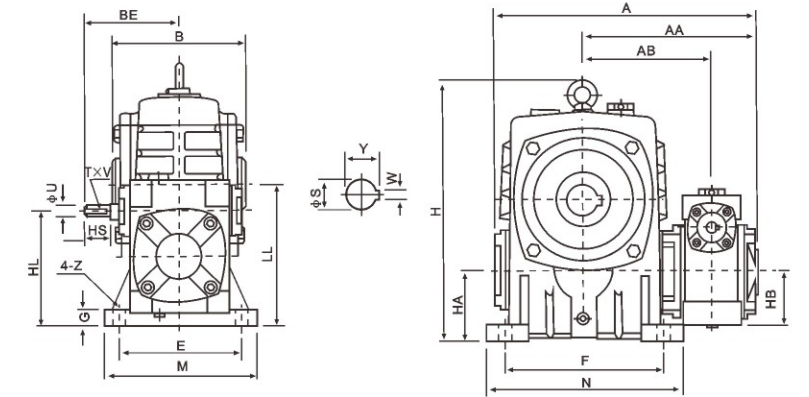


轴指向表示  
SHAFT DIRECTION

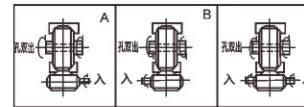


型号 size	传动比 ratio	A	AA	AB	B	BE	HH	HL	LL	H	M	N	E	F	G	Z	输入轴input shaft				输出轴output shaft		重量 (kg)
																	HS	U	T×V	S	W×Y		
40-70		262	171	126	132	89	35	215	105	238	150	190	115	150	20	15	25	12	4×2.5	30	8×33.3	20	
50-80	1/200	297	197	144	150	107	35	250	120	273	170	220	135	180	20	15	30	12	4×2.5	35	10×38.3	27	
60-100	1/300	363	231	175	174	122	42	310	150	334	190	270	155	220	25	15	40	15	5×3	40	12×43.3	44	
70-120	1/400	408	256	193	180	140	55	370	180	423	230	320	180	260	30	18	40	18	6×3.5	45	14×48.8	73	
80-135	1/500	471	298	226	214	160	65	430	215	482	250	350	200	290	30	18	50	22	6×3.5	60	18×64.4	101	
100-155	1/600	555	354	269	256	190	80	490	235	541	275	390	220	320	35	21	50	25	8×4	70	20×74.9	144	
120-175	1/800	598	379	287	282	229	95	555	260	600	310	430	250	350	40	21	65	30	8×4	80	22×85.4	201	
135-200	1/900	662	425	318	324	260	105	625	290	677	360	480	290	390	40	24	75	35	10×5	85	22×90.4	293	
155-250		795	510	380	400	302	103	755	350	824	460	560	380	480	45	28	85	40	12×5	110	28×116.4	462	

**WPEKA 型[MODEL]**

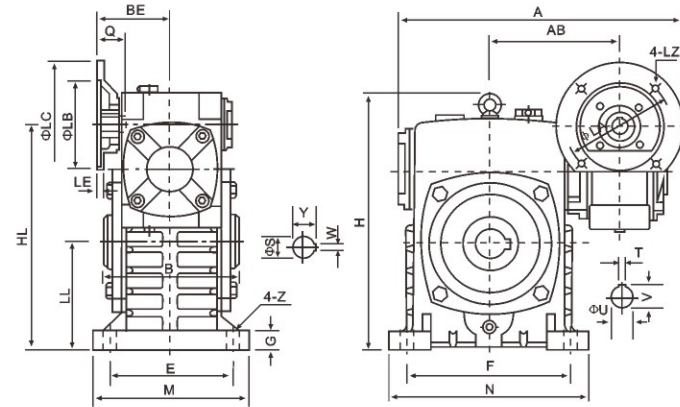


轴指向表示  
SHAFT DIRECTION

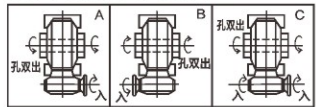


型号 size	传动比 ratio	A	AA	AB	B	BE	HL	LL	H	HA	HB	M	N	E	F	G	Z	输入轴input shaft				输出轴output shaft		重量 (kg)
																		HS	U	T×V	S	W×Y		
40-70		262	171	126	132	89	110	140	236	70	50	150	190	115	150	20	15	25	12	4×2.5	30	8×33.3	20	
50-80	1/200	297	197	144	150	107	130	160	268	80	65	170	220	135	180	20	15	30	12	4×2.5	35	10×38.3	27	
60-100	1/300	363	231	175	174	122	160	200	336	100	75	190	270	155	220	25	15	40	15	5×3	40	12×43.3	44	
70-120	1/400	408	256	193	180	140	190	240	430	120	90	230	320	180	260	30	18	40	18	6×3.5	45	14×48.8	73	
80-135	1/500	471	298	226	214	160	215	270	480	135	105	250	350	200	290	30	18	50	22	6×3.5	60	18×64.4	101	
100-155	1/600	555	354	269	256	190	235	290	531	135	130	275	390	220	320	35	21	50	25	8×4	70	20×74.9	144	
120-175	1/800	598	379	287	282	229	280	335	600	160	155	310	430	250	350	40	21	65	30	8×4	80	22×85.4	201	
135-200	1/900	662	425	318	320	260	310	375	666	175	185	360	480	290	390	40	24	75	35	10×5	85	22×90.4	293	
155-250		795	510	380	400	302	355	450	800	200	203	460	560	380	480	45	28	85	40	12×5	110	28×116.4	462	

**WPEDKS 型[MODEL]**

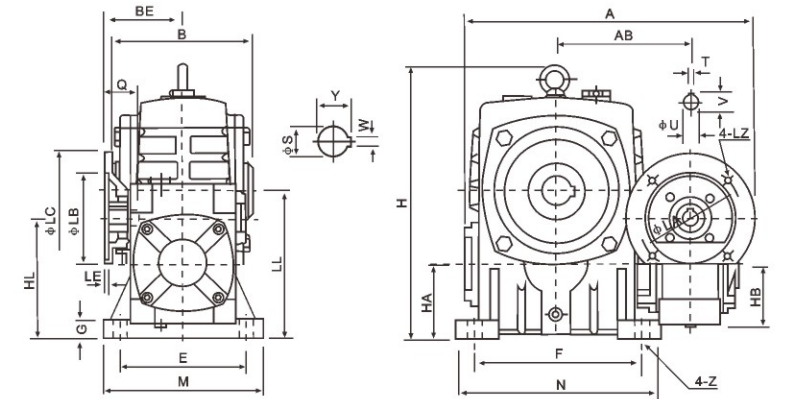


轴指向表示  
SHAFT DIRECTION

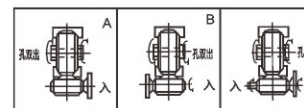


型号 size	入功率 (kw)	传动比 ratio	A	AB	B	BE	HL	LL	H	M	N	E	F	G	Z	电机法兰 flange					输入孔 input hole			输出轴 output shaft		重量 (kg)
																LA	LB	LC	LE	LZ	Q	U	T×V	S	W×Y	
40-70	0.12		287	126	132	75	215	105	238	150	190	115	150	20	15	115	95	140	4	M8	31	11	4×12.8	30	8×33.3	19
50-80	0.18		314	144	150	83	250	120	273	170	220	135	180	20	15	115	95	140	4	M8	31	11	4×12.8	35	10×38.3	27
60-100	0.37		387	175	174	91	310	150	334	190	270	155	220	25	15	130	110	160	4	M8	33	14	5×16.3	40	12×43.3	45
70-120	0.37	1/200	425	193	180	109	370	180	423	230	320	180	260	30	18	130	110	160	4	M8	40	14	5×16.3	45	14×48.8	75
	0.75	1/300	445			111										165	130	200	4	M10	42	19	6×21.8	45	14×48.8	75
80-135	0.75	1/400	499	226	214	125	430	215	482	250	350	200	290	30	18	165	130	200	4.5	M10	48	19	6×21.8	60	18×64.4	103
	1.5	1/500														52	24	8×27.3			52	24	8×27.3	70	20×74.9	147
100-155	1.5	1/600	570	269	256	148	490	235	541	275	390	220	320	35	21	165	130	200	4.5	M10	52	24	8×27.3	70	20×74.9	147
120-175	2.2	1/800	631	287	282	181	555	260	600	310	430	250	350	40	21	215	180	250	5	M12	63	28	8×31.3	80	22×85.4	204
	3.0	1/900														215	180	250	5	M12	63	28	8×31.3	80	22×85.4	204
135-200	3.0		680	318	324	202	625	290	677	360	480	290	390	40	24	215	180	250	5	M12	63	28	8×31.3	85	22×90.4	298
	4.0															215	180	250	5	M12	63	28	8×31.3	85	22×90.4	298
155-250	4.0		815	380	400	224	755	350	824	460	560	380	480	45	28	215	180	250	5	M12	63	28	8×31.3	110	28×116.4	470
	5.5					247										265	230	300	5	M12	83	38	10×41.3	110	28×116.4	470

**WPEDKA 型[MODEL]**



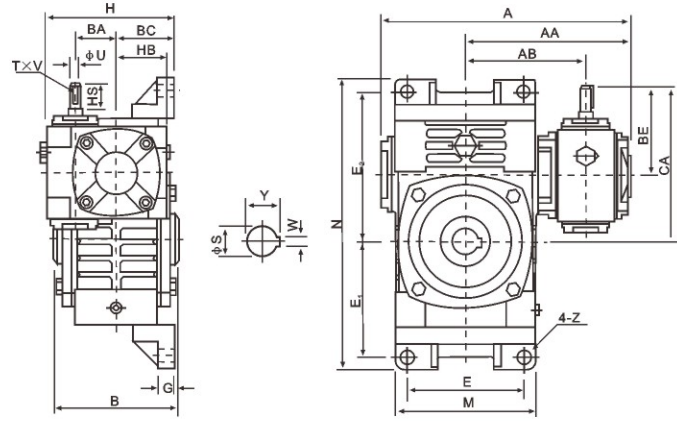
轴指向表示  
SHAFT DIRECTION



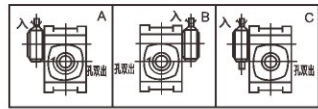
型号 size	入功率 (kw)	传动比 ratio	A	AB	B	BE	HL	LL	H	HA	HB	M	N	E	F	G	Z	电机法兰 flange					输入孔 input hole			输出轴 output shaft		重量 (kg)
																		LA	LB	LC	LE	LZ	Q	U	T×V	S	W×Y	
40-70	0.12		287	126	132	75	215	105	238	150	190	115	150	20	15	115	95	140	4	M8	31	11	4×12.8	30	8×33.3	19		
50-80	0.18		314	144	150	83	250	120	273	170	220	135	180	20	15	115	95	140	4	M8	31	11	4×12.8	35	10×38.3	27		
60-100	0.37		387	175	174	91	310	150	334	190	270	155	220	25	15	130	110	160	4	M8	33	14	5×16.3	40	12×43.3	45		
70-120	0.37	1/200	425	193	180	109	370	180	423	230	320	180	260	30	18	130	110	160	4	M8	40	14	5×16.3	45	14×48.8	75		
	0.75	1/300	445			111										165	130	200	4	M10	42	19	6×21.8	45	14×48.8	75		
80-135	0.75	1/400	499	226	214	125	430	215	482	250	350	200	290	30	18	165	130	200	4.5	M10	48	19	6×21.8	60	18×64.4	103		
	1.5	1/500														52	24	8×27.3			52	24	8×27.3	70	20×74.9	147		
100-155	1.5	1/600	570	269	256	148	490	235	541	275	390	220	320	35	21	165	130	200	4.5	M10	52	24	8×27.3	70	20×74.9	147		
120-175	2.2	1/800	631	287	282	181	555	260	600	310	430	250	350	40	21	215	180	250	5	M12	63	28	8×31.3	80	22×85.4	204		
	3.0	1/900														215	180	250	5	M12	63	28	8×31.3	80	22×85.4	204		
135-200	3.0		680	318	324	202	625	290	677	360	480	290	390	40	24	215	180	250	5	M12	63	28	8×31.3	85	22×90.4	298		
	4.0															215	180	250	5	M12	63	28	8×31.3	85	22×90.4	298		
155-250	4.0		815	380	400	224	755	350	824	460	560	380	480	45	28	215	180	250	5	M12	63	28	8×31.3	110	28×116.4	470		
	5.5					247										265	230	300	5	M12	83	38	10×41.3	110	28×116.4	470		



**WPWEKO 型[MODEL]**

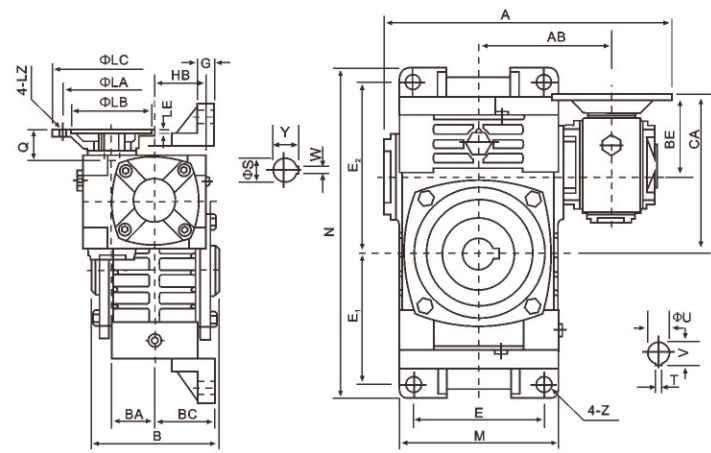


轴指向表示  
SHAFT DIRECTION

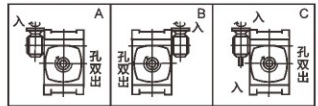


型号 size	传动比 ratio	A		AA		AB		B		BA		BC		BE		HB		CA		H		M		N		E		E <sub>1</sub>		E <sub>2</sub>		G		Z		输入轴input shaft		输出轴output shaft		重量 (kg)
		HS	U	T×V	S	W×Y																																		
40-70		262	171	126	132	40	65	89	50	159	140	152	305	120	120	155	20	15	25	12	4×2.5	30	8×33.3	19.5																
50-80	1/200	297	197	144	150	50	70	107	65	187	155	174	350	140	140	180	20	15	30	12	4×2.5	35	10×38.3	30.5																
60-100	1/300	363	231	175	174	60	90	122	76	222	192	224	410	190	165	215	22	15	40	15	5×3	40	12×43.3	47																
70-120	1/400	408	256	193	180	70	100	140	90	260	225	264	494	220	195	255	25	18	40	18	6×3.5	45	14×48.8	69																
80-135	1/500	471	298	226	214	80	110	160	105	295	255	304	559	260	230	285	30	18	50	22	6×3.5	60	18×64.4	105																
100-155	1/600	555	354	269	256	100	140	190	130	345	320	345	605	290	250	305	35	21	50	25	8×4	70	20×74.9	163																
120-175	1/800	598	379	287	282	120	150	229	155	404	365	374	675	320	273	348	40	21	65	30	8×4	80	22×85.4	208																
135-200	1/900	662	425	318	324	135	175	260	185	460	415	424	749	370	305	390	40	24	75	35	10×5	85	22×90.4	302																
155-250		795	510	380	400	155	200	302	203	552	458	510	920	440	375	475	45	28	85	40	12×5	110	28×116.4	476																

**WPWEDKO 型[MODEL]**

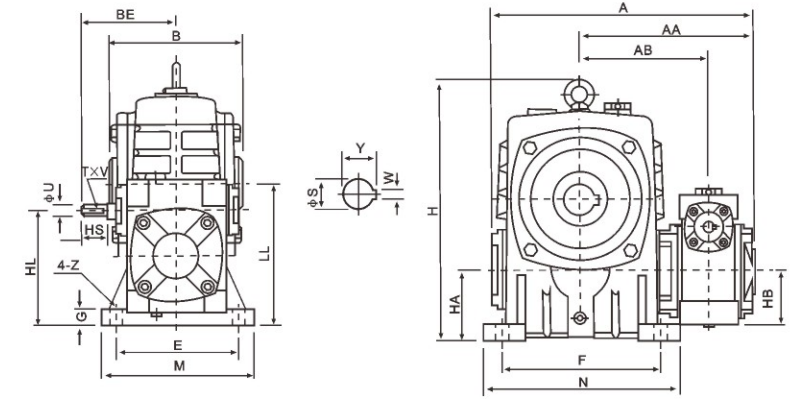


轴指向表示  
SHAFT DIRECTION

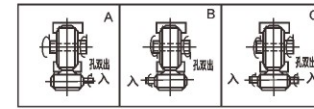


型号 size	输入功率 (kw)	传动比 ratio	A		AA		AB		B		BA		BC		BE		HB		CA		M		N		E		E <sub>1</sub>		E <sub>2</sub>		G		Z		电机法兰flange		输入孔input hole		输出轴output shaft		重量 (kg)
			LA	LB	LC	LE	LZ	Q	U	T×V	S	W×Y																													
40-70	0.12		287	126	132	40	65	75	50	145	152	305	120	120	155	20	15	115	95	140	4	M8	31	11	4×12.8	30	8×33.3	20													
50-80	0.18		314	144	150	50	70	83	65	163	174	350	140	140	180	20	15	115	95	140	4	M8	31	11	4×12.8	35	10×38.3	31													
60-100	0.37		387	175	174	60	90	91	75	191	224	410	190	165	215	22	15	130	110	160	4	M8	33	14	5×16.3	40	12×43.3	48													
70-120	0.37	1/200	425	193	180	70	100	109	90	229	264	494	220	195	255	25	18	130	110	160	4	M8	40	14	5×16.3	45	14×48.8	71													
	0.75	1/300	445	193	180	70	100	109	90	229	264	494	220	195	255	25	18	130	110	160	4	M10	42	19	6×21.8	45	14×48.8	71													
80-135	0.75	1/400	499	226	214	80	110	125	105	260	304	559	260	230	285	30	18	165	130	200	4.5	M10	48	19	6×21.8	60	18×64.4	107													
	1.5	1/500	570	269	256	100	140	148	130	303	345	605	290	250	305	35	21	165	130	200	4.5	M10	52	24	8×27.3	70	20×74.9	166													
100-155	1.5	1/600	570	269	256	100	140	148	130	303	345	605	290	250	305	35	21	165	130	200	4.5	M10	52	24	8×27.3	70	20×74.9	166													
120-175	2.2	1/800	631	287	282	120	150	181	155	356	374	675	320	273	348	40	21	215	180	250	5	M12	63	28	8×31.3	80	22×85.4	211													
	3.0	1/900	631	287	282	120	150	181	155	356	374	675	320	273	348	40	21	215	180	250	5	M12	63	28	8×31.3	80	22×85.4	211													
135-200	3.0		680	318	324	135	175	202	185	402	424	749	370	305	390	40	24	215	180	250	5	M12	63	28	8×31.3	85	22×90.4	307													
	4.0		680	318	324	135	175	202	185	402	424	749	370	305	390	40	24	215	180	250	5	M12	63	28	8×31.3	85	22×90.4	307													
155-250	4.0		815	380	400	155	200	224	203	474	510	920	440	375	475	45	28	215	180	250	5	M12	63	28	8×31.3	110	28×116.4	484													
	5.5		815	380	400	155	200	224	203	474	510	920	440	375	475	45	28	215	180	250	5	M12	63	28	8×31.3	110	28×116.4	484													

**WPWEKA 型[MODEL]**

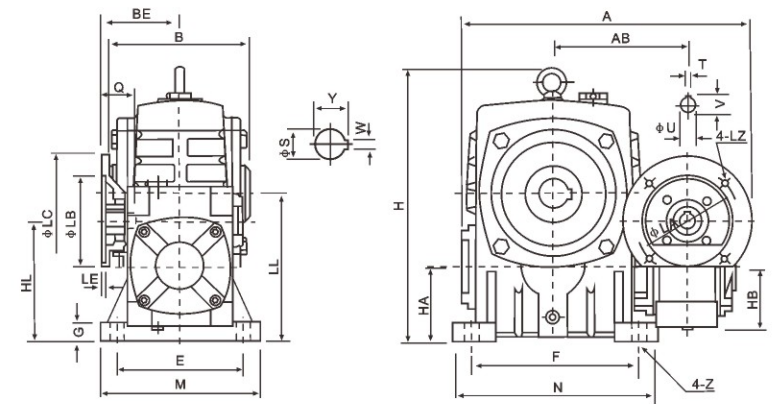


轴指向表示  
SHAFT DIRECTION

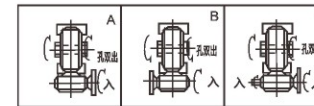


型号 size	传动比 ratio	A		AA		AB		B		BE		HL		LL		H		HA		HB		M		N		E		F		G		Z		输入轴input shaft		输出轴output shaft		重量 (kg)
		HS	U	T×V	S	W×Y																																
40-70		262	171	126	126	89	110	140	236	70	50	150	190	115	150	20	15	25	12	4×2.5	30	8×33.3	20															
50-80	1/200	297	197	144	136	107	130	160	268	80	65	170	220	135	180	20	15	30	12	4×2.5	35	10×38.3	27															
60-100	1/300	363	231	175	160	122	160	200	336	100	75	190	270	155	220	25	15	40	15	5×3	40	12×43.3	44															
70-120	1/400	408	256	193	180	140	190	240	430	120	90	230	320	180	260	30	18	40	18	6×3.5	45	14×48.8	73															
80-135	1/500	471	298	226	204	160	215	270	480	135	105	250	350	200	290	30	18	50	22	6×3.5	60	18×64.4	104															
100-155	1/600	555	354	269	250	190	235	290	531	135	130	275	390	220	320	35	21	50	25	8×4	70	20×74.9	144															
120-175	1/800	598	379	287	280	229	280	335	600	160	155	310	430	250	350	40	21	65	30	8×4	80	22×85.4	201															
135-200	1/900	662	425	318	324	260	310	375	666	175	185	360	480	290	390	40	24	75	35	10×5	85	22×90.4	293															
155-250		795	510	380	380	302	355	450	800	200	203	460	560	380	480	45	28	85	40	12×5	110	28×116.4	462															

**WPWEDKA 型[MODEL]**



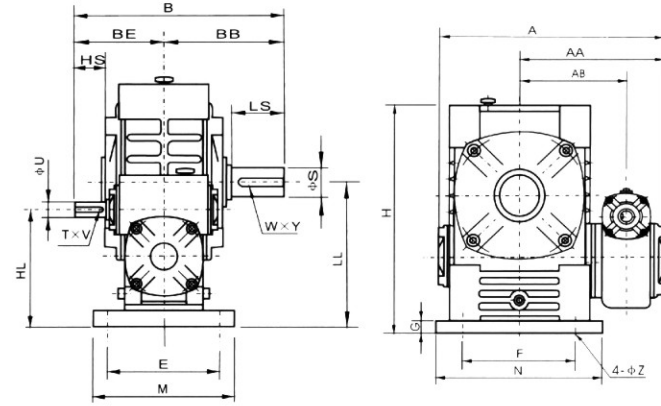
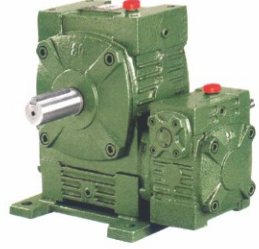
轴指向表示  
SHAFT DIRECTION



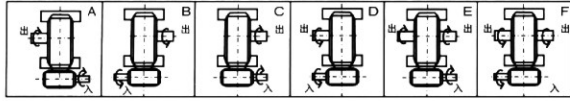
型号 size	输入功率 (kw)	传动比 ratio	A		AA		AB		B		BE		HL		LL		H		HA		HB		M		N		E		F		G		Z		电机法兰flange		输入孔input hole		输出轴output shaft		重量 (kg)
			LA	LB	LC	LE	LZ	Q	U	T×V	S	W×Y																													
40-70	0.12		287	126	126	75	110	140	236	70	50	150	190	115	150	20	15	115	95	140	4	M8	31	11	4×12.8	30	8×33.3	19													
50-80	0.18		314	144	136	83	130	160	268	80	65	170	220	135	180	20	15	115	95	140	4	M8	31	11	4×12.8	35	10×38.3	27													
60-100	0.37		387	175	160	91	160	200	336	100	75	190	270	155	220	25	15	130	110	160	4	M8	33	14	5×16.3	40	12×43.3	45													
70-120	0.37	1/200	425	193	180	109	190	240	430	120	90	230	320	180	260	30	18	130	110	160	4	M8	40	14	5×16.3	45	14×48.8	75													
	0.75	1/300	445	193	180	109	190	240	430	120	90	230	320	180	260	30	18	130	110	160	4	M10	42	19	6×21.8	45	14×48.8	75													
80-135	0.75	1/400	499	226	204	125	215	270	480	135	105	250	350	200	290	30	18	165	130	200	4.5	M10	48	19	6×21.8	60	18×64.4	103													
	1.5	1/500	570	269	250	148	235	290	531	135	130	275	390	220	320	35	21	165	130	200	4.5	M10	52	24	8×27.3	70	20×74.9	147													
100-155	1.5	1/600	570	269	250	148	235	290	531	135	130	275	390	220	320	35	21	165	130	200	4.5	M10	52	24	8×27.3	70	20×74.9	147													
120-175	2.2	1/800	631	287	280	181	280	335	600	160	155	310	430	250	350	40	21	215	180	250	5	M12	63	28	8×31.3	80	22×85.4	204													
	3.0	1/900	631	287	280	181	280	335	600	160	155	310	430	250	350	40	21	215	180	250	5	M12	63	28	8×31.3	80	22×85.4	204													
135-200	3.0		680	318	324	202	310	375	666	175																															



**WPWEA 型[MODEL]**

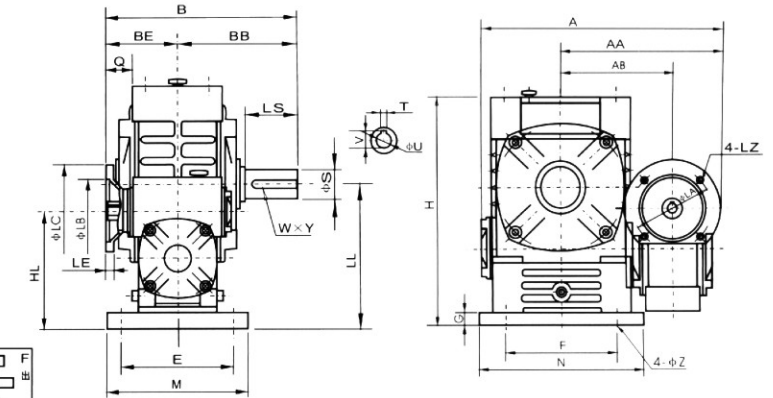
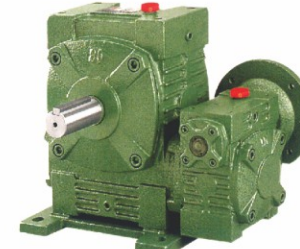


轴指向表示  
SHAFT DIRECTION

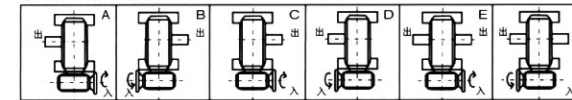


型号 size	传动比 ratio	A	AA	AB	B	BB	BE	HL	E	F	G	H	LL	M	N	Z	输入轴input shaft			输出轴output shaft			重量 (kg)
																	HS	U	T×V	LS	S	W×Y	
40-70	1/200	260	171	126	220	131	89	113	115	150	18	233	143	150	190	15	25	12	4×2.5	60	28	8×4	19
50-80	1/300	297	192	139	245	140	105	133	135	180	18	268	163	170	220	15	30	12	4×2.5	65	32	10×5	27
60-100	1/400	337	215	161	283	163	120	160	155	220	20	330	200	190	270	15	40	15	5×3	75	38	10×5	44
70-120	1/500	412	258	195	325	185	140	190	180	260	25	395	240	230	320	18	40	18	6×3.5	85	45	14×5.5	73
80-135	1/600	475	300	230	370	210	160	215	200	290	30	455	270	250	350	18	50	22	6×3.5	95	55	16×6	101
100-155	1/800	549	349	265	430	252	178	235	220	320	32	493	290	280	380	21	50	25	8×4	110	60	18×7	144
120-175	1/900	605	385	290	492	262	230	280	250	350	37	558	335	310	410	21	65	30	8×4	110	65	18×7	201
135-200		674	431	323	565	305	260	310	290	390	45	620	375	360	435	24	75	35	10×5	125	70	20×7.5	293

**WPWEDA 型[MODEL]**

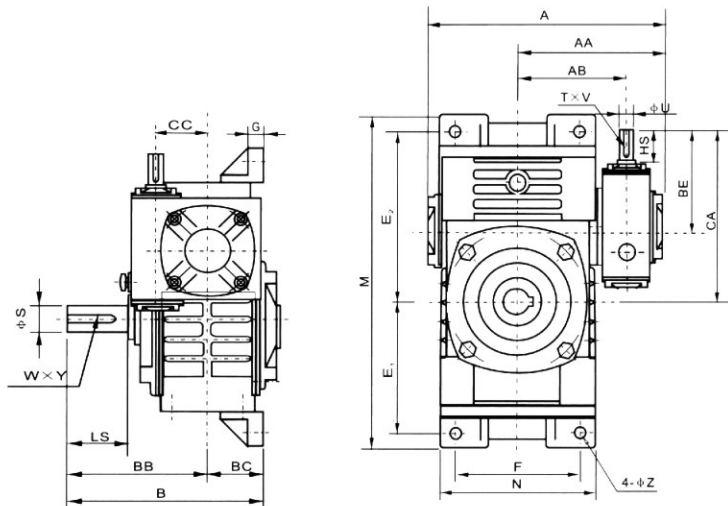


轴指向表示  
SHAFT DIRECTION

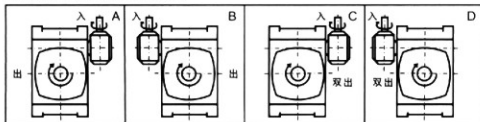


型号 size	入功率 (kw)	传动比 ratio	A	AA	AB	B	BB	BE	HL	E	F	G	H	LL	M	N	Z	电机法兰flange				入力孔input hole			输出轴output shaft			重量 (kg)	
																		LA	LB	LC	LE	LZ	Q	U	T×V	LS	S		W×Y
40-70	0.12		287	196	126	206	131	75	113	115	150	18	233	143	150	190	15	115	95	140	4	M8	31	11	4×12.8	60	28	8×4	20
50-80	0.18		314	209	139	224	140	84	133	135	180	18	268	163	170	220	15	115	95	140	4	M8	31	11	4×12.8	65	32	10×5	27
60-100	0.37		363	241	161	255	163	92	160	155	220	20	330	200	190	270	15	130	110	160	4	M8	33	14	5×16.3	75	38	10×5	45
70-120	0.75	1/200	429	275	195	295	185	110	190	180	260	25	395	240	230	320	18	130	110	160	4	M8	40	14	5×16.3	85	45	14×5.5	75
80-135	1.5	1/300	449	295	195	295	185	110	190	180	260	25	395	240	230	320	18	165	130	200	4	M10	42	19	6×21.8	95	55	16×6	103
100-155	2.2	1/400	505	330	230	338	210	128	215	200	290	30	455	270	250	350	18	165	130	200	4.5	M10	48	19	6×21.8	110	60	18×7	147
120-175	3.0	1/500	565	365	265	397	252	145	235	220	320	32	493	290	280	380	21	165	130	200	4.5	M12	52	24	8×27.3	110	65	18×7	204
135-200	4.0	1/600	590	390	265	401	252	149	235	220	320	32	493	290	280	380	21	215	180	250	5	M12	63	28	8×31.3	110	65	18×7	204
		1/800	635	415	290	444	262	182	280	250	350	37	558	335	310	410	21	215	180	250	5	M12	63	28	8×31.3	110	65	18×7	204
		1/900	691	448	323	505	305	200	310	290	390	45	620	375	360	435	24	215	180	250	5	M12	63	28	8×31.3	125	70	20×7.5	298

**WPWEO 型[MODEL]**

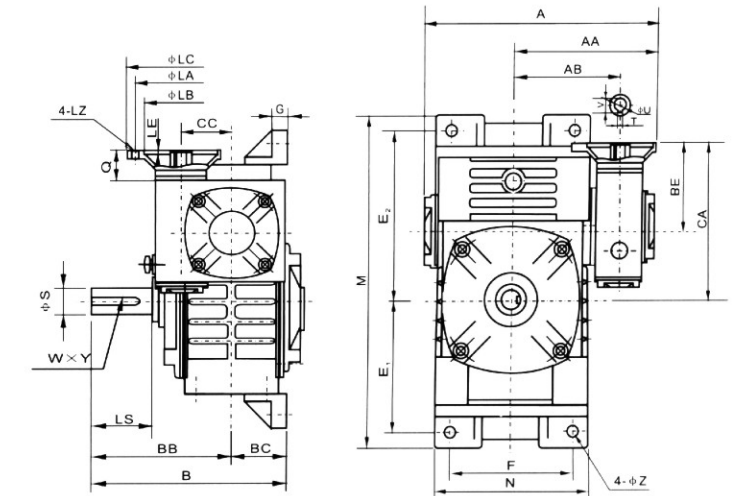
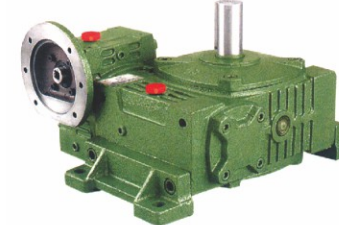


轴指向表示  
SHAFT DIRECTION

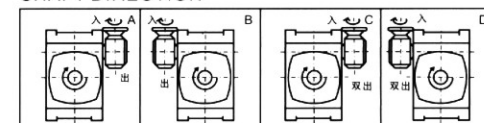


型号 size	传动比 ratio	A	AA	AB	B	BB	BC	BE	CA	CC	E <sub>1</sub>	E <sub>2</sub>	F	G	M	N	Z	输入轴input shaft			输出轴output shaft			重量 (kg)
																		HS	U	T×V	LS	S	W×Y	
50-80	1/200	297	192	139	210	140	70	105	185	50	140	180	140	20	350	174	15	30	12	4×2.5	65	32	10×5	26
60-100	1/300	337	215	161	253	163	90	120	220	60	165	215	190	20	410	224	15	40	15	5×3	75	38	10×5	44
70-120	1/400	412	258	195	285	185	100	140	260	70	195	255	220	25	495	264	18	40	18	6×3.5	85	45	14×5.5	63
80-135	1/500	475	300	230	320	210	110	160	295	80	230	285	260	30	560	304	18	50	22	6×3.5	95	55	16×6	95
100-155	1/600	549	349	265	392	252	140	178	333	100	250	305	290	35	605	330	21	50	25	8×4	110	60	18×7	145
120-175	1/800	605	385	290	412	262	150	230	405	120	273	348	320	40	675	370	21	65	30	8×4	110	65	18×7	185

**WPWEDO 型[MODEL]**



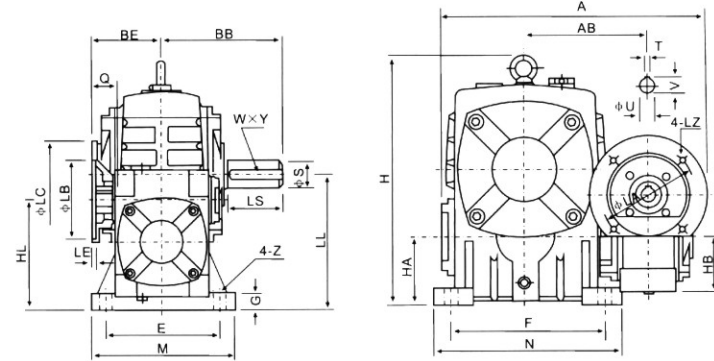
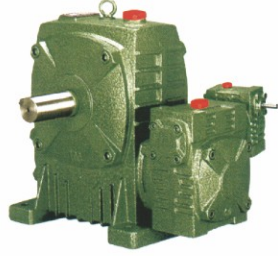
轴指向表示  
SHAFT DIRECTION



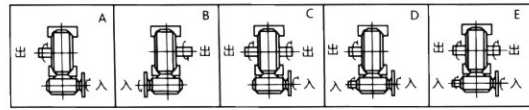
型号 size	入功率 (kw)	传动比 ratio	A	AA	AB	B	BB	BC	BE	CA	CC	E <sub>1</sub>	E <sub>2</sub>	F	G	M	N	Z	电机法兰flange				入力孔input hole			输出轴output shaft			重量 (kg)	
																			LA	LB	LC	LE	LZ	Q	U	T×V	LS	S		W×Y
50-80	0.18		314	209	139	210	140	70	84	164	50	140	180	140	20	350	174	15	115	95	140	4	M8	25	11	4×12.8	65	32	10×5	27
60-100	0.37		363	241	161	253	163	90	92	192	60	165	215	190	20	410	224	15	130	110	160	4	M8	35	14	5×16.3	75	38	10×5	45
70-120	0.75	1/200	429	275	195	285	185	100	110	230	70	195	255	220	25	495	264	18	130	110	160	4	M8	35	14	5×16.3	85	45	14×5.5	65
80-135	1.5	1/300	449	295	195	285	185	100	110	230	70	195	255	220	25	495	264	18	165	130	200	4	M10	45	19	6×21.8	95	55	16×6	98
100-155	2.2	1/400	505	330	230	320	210	110	128	263	80	230	285	260	30	560	304	18	165	130	200	4.5	M10	52	24	8×27.3	110	60	18×7	152
120-175	3.0	1/500	565	365	265	392	252	140	145	300	100	250	305	290	35	605	330	21	165	130	200	5	M10	52	24	8×27.3	110	60	18×7	152
		1/600	590	390	265	392	252	140	149	304	100	250	305	290	35	605	330	21	215	180	250	5	M12	62	28	8×31.3	110	65	18×7	194



## WPEEA 型[MODEL]

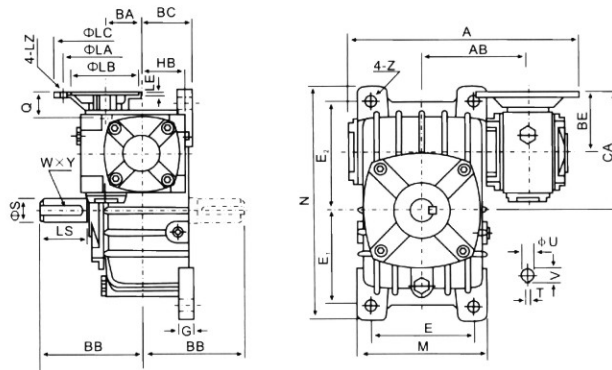


轴指向表示  
SHAFT DIRECTION

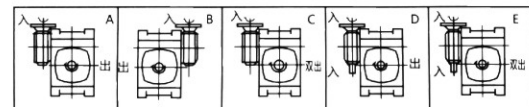


型号 size	输入功率 (kw)	传动比 ratio	A	AB	BB	BE	HL	LL	H	HA	HB	M	N	E	F	G	Z	电机法兰flange				输入孔input hole			输出轴output shaft			重量 (kg)	
																		LA	LB	LC	LE	LZ	Q	U	T×V	LS	S		W×Y
40-70	0.12	200	287	126	131	75	110	140	236	70	50	150	190	115	150	20	15	115	95	140	4	M8	31	11	4×12.8	60	28	8×4	19
50-80	0.18		314	144	142	83	130	160	268	80	65	170	220	135	180	20	15	115	95	140	4	M8	31	11	4×12.8	65	32	10×5	27
60-100	0.37	300	387	175	169	91	160	200	336	100	75	190	270	155	220	25	15	130	110	160	4	M8	33	14	5×16.3	75	38	10×5	45
70-120	0.75		425	193	190	109	190	240	430	120	90	230	320	180	260	30	18	130	110	160	4	M8	40	14	5×16.3	85	45	14×5.5	75
80-135	1.5	400	445	226	210	125	215	270	480	135	105	250	350	200	290	30	18	165	130	200	4.5	M10	48	19	6×21.8	95	55	16×6	103
80-147	0.75		504	229	212	125	203	270	501	123	105	250	350	200	280	32	18	165	130	200	4.5	M10	48	19	6×21.8	95	55	16×6	114
100-155	1.5	600	570	269	252	148	235	290	531	135	130	275	390	220	320	35	21	165	130	200	4.5	M10	52	24	8×27.3	110	60	18×7	147
120-175	2.2		631	287	262	181	280	335	600	160	155	310	430	250	350	40	21	215	180	250	5	M12	63	28	8×31.3	110	65	18×7	204
135-200	3.0	900	680	318	305	202	310	375	666	175	185	360	480	290	390	40	24	215	180	250	5	M12	63	28	8×31.3	125	70	20×7.5	298
155-250	4.0		815	380	360	224	355	450	800	200	203	460	560	380	480	45	28	215	180	250	5	M12	63	28	8×31.3	155	90	25×9	470
	5.5				247												265	230	300	5	M12	83	38	10×41.3					

## WPEEDO 型[MODEL]



轴指向表示  
SHAFT DIRECTION



型号 size	传动比 ratio	A	AA	AB	B	BA	BC	BE	HB	CA	H	M	N	E	E <sub>1</sub>	E <sub>2</sub>	G	Z	输入轴input shaft			输出轴output shaft		重量 (kg)
																			HS	U	T×V	S	W×Y	
40-70	200	262	171	126	132	40	65	89	50	159	140	152	305	120	120	155	20	15	25	12	4×2.5	30	8×33.3	19.5
50-80		297	197	144	150	50	70	107	65	187	155	174	350	140	140	180	20	15	30	12	4×2.5	35	10×38.3	30.5
60-100	300	363	231	175	174	60	90	122	76	222	192	224	410	190	165	215	22	15	40	15	5×3	40	12×43.3	47
70-120		408	256	193	180	70	100	140	90	260	225	264	494	220	195	255	25	18	40	18	6×3.5	45	14×48.8	69
80-135	500	471	298	226	214	80	110	160	105	295	255	304	559	260	230	285	30	18	50	22	6×3.5	60	18×64.4	105
100-155		555	354	269	256	100	140	190	130	345	320	345	605	290	250	305	35	21	50	25	8×4	70	20×74.9	163
120-175	800	598	379	287	282	120	150	229	155	404	365	374	675	320	273	348	40	21	65	30	8×4	80	22×85.4	208
135-200		662	425	318	324	135	175	260	185	460	415	424	749	370	305	390	40	24	75	35	10×5	85	22×90.4	302
155-250	795	510	380	400	155	200	302	203	552	458	510	920	440	375	475	45	28	85	40	12×5	110	28×116.4	476	

## 4.选型方法 Selection Methods

### 4.1. 选型要素

#### 4.1.1. 输入功率、输出转矩

输入功率和输出转矩的转换公式如下：

$$\text{输入功率} P(\text{kW}) = \text{输出转矩} T(\text{N.m}) \times \text{输出轴转速} N_2(\text{r/min}) / (9549 \times \text{效率} \eta)$$

减速机输入功率为减速机的输入动力容量，输出转矩为减速机许用承载能力，均在产品的各“功率、转矩”表中列出，可供选型时参照选用。

#### 4.1.2. 输入轴转速、输出轴转速

输入轴和输出轴转速的转换公式如下：

$$\text{输出轴转速} N_2(\text{r/min}) = \text{输入轴转速} N_1(\text{r/min}) / \text{传动比}$$

当减速机以皮带轮、链轮及联轴器传动时，输入轴转速不宜超过2000(r/min，一般转速范围600-1800(r/min)，转速过高易使轴承加重磨擦而缩短寿命。

#### 4.1.3. 效率

效率计算公式如下：

$$\text{效率} \eta = (\text{输出功率} / \text{输入功率}) \times 100\%$$

由于减速机运转时内部存在磨擦及振动，部分输入能量将转化为热能等非工作消耗，效率就是减速机输入能量的利用率，效率的高低取决于蜗杆头数、蜗杆转速、润滑油粘度、轴承摩擦阻力及蜗轮副材质的摩擦系数等。每种规格、传动比的减速机，其效率数值各不相同，下表列出效率的一般范围数值，可供选型时参考：

传动比	1/10	1/15	1/20	1/25	1/30	1/40	1/50	1/60
效率	77~90%	76~88%	75~84%	72~82%	68~82%	64~75%	62~72%	60~71%

#### 4.1.4. 输入轴、输出轴回转方向

蜗杆减速机输出轴回转方向取决于蜗杆螺牙方向，基本型蜗杆减速机均为右旋螺牙。以本公司产品样本上WPA照片为依据，面对输入轴、输出轴观看，当输入轴顺时针方向旋转时，输出轴旋转方向为逆时针；以WPS照片为依据，面对输入轴、输出轴观看，当输入轴顺时针方向旋转时，输出轴旋转方向为顺时针；其余各种输出轴装配结构可按以上方法判定转向。当按特殊需要蜗杆螺牙方向制成左旋时，情况正好相反。

#### 4.1.5. 工况系数

减速机在设计时，其输入动力容量及许用承载能力的强度计算按照每天连续运转八小时、载荷稳定不变的理想工况设定，在实际使用时，现场工况(如:是否有反复启动停止或频繁正反转，使用时间是否少于或多于八小时，冲击载荷大小及特性)可能与理想工况相差甚远，在选型时应予充分考虑，在选用减速机输入功率或输出转矩时，可按下列公式加以修正：

$$\text{修正输出转矩} T_2(\text{N.m}) = \text{理论输出转矩} T_1(\text{N.m}) \times \text{工况系数} K$$



工况系数K表

原动机	载荷状况	每日运转时间(小时)			
		0.5~2	2~6	6~10	10~24
电动机	平稳载荷	0.80	0.90	1.00	1.25
	中等冲击	0.90	1.00	1.25	1.50
	较大冲击	1.00	1.25	1.50	1.75

注: 当正反转或停开次数1小时内达10次以上时, 上表K值还应乘以1.2

4.1. Selection points

4.1.1. Input power & output torque

The formula of transforming input power to output torque listed as follows:

$$\text{input power } P(\text{kW}) = \text{output torque } T(\text{N.m}) \times \text{output revolving speed } N_2(\text{r/min}) / (9549 \times \text{efficiency } \eta)$$

Input power denotes the dynamical capacity of a reducer, and output torque denotes the maximum load a reducer allows, which are both listed in power and torque tables in order to serving selection.

4.1.2. Revolving speed of input shaft and output shaft

The formula of transforming input revolving speed to output listed as follows:

$$\text{Output revolving speed } N_2(\text{r/min}) = \text{input revolving speed } N_1(\text{r/min}) / \text{ratio } i$$

With belt-pulley, couplings or sprocket wheel shaft transmission, the input speed should not exceed 2000(r/min); the general range is 600-1800RPM. If the revolving speed is too high, the bearing will have less life due to over-friction.

4.1.3. Efficiencies

The efficiency calculation formula listed as follows:

$$\text{Efficiency } \eta = \text{output power} \times 100\% / \text{input power}$$

Due to the internal vibration and wear, partial input energy will be transformed to be heat energy and fade away. Efficiency is the utilization ratios of input energy. The efficiency depends on worm's tooth number, revolving speed, lubricant oil viscosity, bearing friction and worm gear's material friction factor. Reducers with vary model or ratio have vary efficiency. The following table lists the range of the efficiency value.

Ratio	1/10	1/15	1/20	1/25	1/30	1/40	1/50	1/60
Efficiency	77~90%	76~88%	75~84%	72~82%	68~82%	64~75%	62~72%	60~71%

4.1.4. Revolving direction of input and output shaft

The revolving direction of output shaft relies on worm thread's direction; right-directed thread is for basic use. According to the photograph of WPA in our product manual, facing input shaft and output shaft, when input shaft is in clockwise, output shaft is in counter-clockwise; and according to the photograph of WPS, facing input shaft and output shaft, when input shaft is in clockwise, output shaft is in clockwise too; for other output shaft assembly structure, the method of ensuring revolving direction is as above. It will be adverse when the worm shaft is left-directed.

4.1.5. Service Factor

When reducer is designed, the input load capacity and allowed intensity are calculated per a continual operation of 8 hours a day and per the ideal conditions of a uniform load design. However, the on-site use (e.g. repetitive start-up, stop or obverse and reverse rotation, use time more or less than 8 hours a day, different value and characteristics of impact load from standard conditions and so on) may be different from ideal use which should be taken into account. While selecting reducer input power or output torque, revise then according to the following formula:

$$\text{Revised output torque } T_2(\text{N.m}) = \text{theoretic output torque } T_1(\text{N.m}) \times \text{running condition factor } k$$

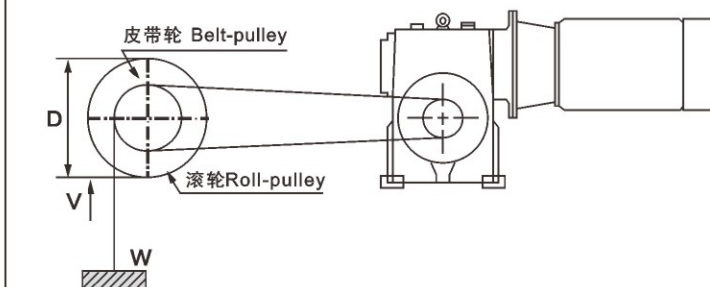
Table of Service factor k

Prime mover	Load	Operation time per day(hour)			
		0.5~2	2~6	6~10	10~24
Electromotor	Uniform	0.80	0.90	1.00	1.25
	Medium shock	0.90	1.00	1.25	1.50
	Heavy shock	1.00	1.25	1.50	1.75

Annotate: when the times of start-up, stop or obverse per hour is more than 10, the value K must multiply 1.2.

4.2. 选型实例 Selection example

4.2.1. 基本情况 The basic condition

传动结构 Transmission struture	相关数据 Relative data
	<ul style="list-style-type: none"> <li>●起吊物体重量 W=600Kg</li> <li>●Weight of suspended object W=600Kg</li> </ul>
	<ul style="list-style-type: none"> <li>●起吊物体速度 V=12m/min</li> <li>●Speed of suspended object V=12m/min</li> </ul>
	<ul style="list-style-type: none"> <li>●滚轮直径 D=0.4m</li> <li>●Roll-pulley diameter D=0.4m</li> </ul>
	<ul style="list-style-type: none"> <li>●皮带轮传动效率 <math>\eta_1=0.92</math></li> <li>●Efficiency of belt-pulley <math>\eta_1=0.92</math></li> </ul>
	<ul style="list-style-type: none"> <li>●减速机传动效率 <math>\eta_2=0.71</math></li> <li>●Efficiency of reducer <math>\eta_2=0.71</math></li> </ul>
	<ul style="list-style-type: none"> <li>●运转时间 8小时/日</li> <li>●Running time 8 hours per day</li> </ul>
	<ul style="list-style-type: none"> <li>●启动次数 2次/小时, 较大冲击</li> <li>●2 times per hour heavy shock</li> </ul>
<ul style="list-style-type: none"> <li>●使用电源 三相380V, 50Hz</li> <li>●Electrical source three-phase 380V, 50Hz</li> </ul>	



4.2.2. 选型步骤 Selection steps

序号 Number	内容 Contents	计算公式 Formula	计算示例 Example
1	定传动比 Calculate ratio	根据输入轴及输出轴的转速确定传动比 1. 计算皮带轮转速 $N_3$ $N_3 = \text{起吊速度} V / (\text{滚轮直径} D \times \pi)$ 2. 计算总传动比 $i$ $i = \text{输入轴转速} N_1 / \text{皮带轮转速} N_3$ 3. 计算减速机传动比 $i_1$ $i_1 = \text{总传动比} i / \text{皮带轮传动传动比} i_2$  Calculate the ratio according to input and output shaft revolving speed 1. get belt-pulley revolving speed $N_3$ $N_3 = \text{speed of suspended object } V / (\text{roll-pulley diameter } D \times \pi)$ 2. Calculate general ratio $i$ $i = \text{Input revolving speed } N_1 / \text{belt-pulley revolving speed } N_3$ 3. Calculate reducer ratio $i_1$ $i_1 = \text{general ratio } i_2$	1. $N_3 = 12 / (0.4 \times 3.142) = 9.6 \text{r/min}$ 2. $i = 1440 / 9.6 = 150$ 3. 设定 $i_2 = 5$ , 则 $i_2 = 150 / 5 = 30$
2	计算输出转矩 Calculate output torque	计算减速机输出转矩T $T = \text{物体重量} W \times 10 \times \text{滚轮半径} (D/2) / (\text{皮带轮传动传动比} i_2 \times \text{皮带轮传动效率} \eta_1)$  Calculate reducer output torque T $T = \text{weight of suspended object } W \times 10 \times \text{roll-pulley radius} (D/2) / (\text{belt-pulley ratio } i_2 \times \text{belt-pulley transmission efficiency } \eta_1)$	$T = 600 \times 10 \times (0.4/2) / (5 \times 0.92) = 260.9 \text{N.m}$
3	修正输出转矩 Revise output torque	根据使用条件, 8小时运转、较大冲击, 工况系数 $K=1.5$ 计算修正输出转矩 $T_1$ $T_1 = \text{输出转矩} T \times K$  according to using condition: operation 8 hours a day, heavy shock, running condition factor $K=1.5$ calculate revised torque $T_1$ $T_1 = \text{output torque } T \times K$	$T_1 = 260.9 \times 1.5 = 391 \text{N.m}$
4	计算输入功率 Calculate input power	换算功率P $P = \text{修正输出转矩} T_1 \times \text{输出轴转速} N_2 / (9549 \times \text{减速机传动效率} \eta_2)$  Calculate input shaft power P $P = \text{revised output torque } T_1 \times \text{output revolving speed } N_2 / (9549 \times \text{reducer transmission efficiency } \eta_2)$	$P = 391 \times (1440/30) / (9549 \times 0.71) = 2.77 \text{kW}$
5	选型号规格 Select model	根据产品样本, 选定型号120. 传动比1/30. 输入轴功率3KW. 输出轴转矩413N.m  According to product manual, the selection is, Model 120, ratio 1/30. rating input power 3KW, output torque 413N.m	

5. 选型参数

Dynamical capacity table

WP.WPK.WPW.WPWK(A.S.X.O.T.V)型输入功率及输出轴转矩表 Input and output  
输入轴转速 Speed of input shaft: 1500r/min

功率及转矩 Power and torque 传动比 ratio 型号 size	输入轴功率 Input(kW)								输出轴转矩 Output(N.m)							
	1/10	1/15	1/20	1/25	1/30	1/40	1/50	1/60	1/10	1/15	1/20	1/25	1/30	1/40	1/50	1/60
40	0.40	0.33	0.26	0.24	0.22	0.16	0.14	0.12	19	23	20	25	25	20	22	20
50	0.65	0.52	0.40	0.37	0.34	0.27	0.24	0.20	31	36	32	38	39	36	37	35
60	1.00	0.82	0.65	0.59	0.54	0.45	0.40	0.32	50	58	56	68	62	71	75	59
70	1.60	1.35	1.10	0.96	0.82	0.67	0.61	0.52	83	98	101	112	99	104	113	97
80	2.20	1.78	1.36	1.28	1.20	0.90	0.80	0.75	113	133	120	149	151	140	145	146
100	3.60	3.10	2.60	2.35	2.10	1.68	1.30	1.00	193	237	258	284	277	291	257	229
120	5.20	4.35	3.50	3.25	3.00	2.20	1.90	1.50	262	336	361	404	413	392	399	355
135	9.75	7.85	6.00	5.50	5.00	3.69	2.89	2.30	540	622	619	696	707	667	626	562
155	12.80	9.90	7.00	6.53	6.00	4.40	3.61	3.00	709	785	722	842	848	784	770	791
175	17.30	13.60	10.00	9.13	8.30	6.18	4.85	4.07	958	1091	1044	1221	1189	1133	1127	1079
200	22.60	18.20	13.86	12.75	11.67	8.78	6.71	5.58	1280	1477	1482	1643	1782	1654	1516	1449
250	33.20	27.40	21.60	20.00	18.43	14.00	10.43	8.62	1881	2266	2310	2579	2745	2674	2357	2371

WPD.WPKD.WPWD.WPWKD(A.S.X.O.T.V)型输入功率及输出轴转矩表 Input and output  
输入轴转速 Speed of input shaft: 1500r/min (配用A02或Y系列电机 Matching electric motor series A02 or Y)

功率及转矩 Power and torque 传动比 ratio 型号 size	输入轴功率 Input(kW)								输出轴转矩 Output(N.m)							
	1/10	1/15	1/20	1/25	1/30	1/40	1/50	1/60	1/10	1/15	1/20	1/25	1/30	1/40	1/50	1/60
40	0.12								6	8	9	13	14	15	19	20
50	0.18								9	12	14	19	20	24	28	34
60	0.37								19	26	34	42	42	58	67	73
70	0.75				0.37				39	54	70	87	95	58	68	70
80	1.5				0.75				77	112	142	174	189	117	136	146
100	1.5								80	115	149	181	198	260	307	344
120	3				2.2				151	232	310	372	413	392	480	521
135	4				3				219	321	413	509	565	542	649	690
155	5.5				4				305	411	525	709	760	713	853	1039
175	7.5				5.5				415	602	783	1002	1074	1008	1278	1450
200	11				7.5				623	892	1176	1417	1680	1413	1695	1948
250	15				11				850	1246	1604	1933	2234	2101	2486	3025



WPE. WPEK. WPWE. WPWEK. WPED. WPEDK. WPWED. WPWEDK (A.S.X.O)型

输入轴功率及输出轴转矩表Input and output

输入轴转速Speed of Input shaft: 1500r/min

型号 Size	功率及转矩 Power and torque	WPE、WPEK、WPWE、WPWEK							WPED、WPEDKW、PWED、WPWEDK						
		传动比 Ratio							传动比 Ratio						
		200	300	400	500	600	800	900	200	300	400	500	600	800	900
40-70	输入轴功率(kW)	0.48	0.34	0.28	0.25	0.23	0.20	0.17	0.12	0.12	0.12	0.12	0.12	0.12	0.12
	输出轴转矩(N.m)	250	250	250	250	250	250	250	63	88	107	120	130	150	177
50-80	输入轴功率(kW)	0.65	0.51	0.42	0.38	0.31	0.29	0.25	0.18	0.18	0.18	0.18	0.18	0.18	0.18
	输出轴转矩(N.m)	350	350	350	350	350	350	350	97	124	150	166	203	217	252
60-100	输入轴功率(kW)	0.95	0.67	0.52	0.44	0.40	0.35	0.33	0.37	0.37	0.37	0.37	0.37	0.37	0.37
	输出轴转矩(N.m)	500	500	500	500	500	500	500	195	276	356	420	463	529	561
70-120	输入轴功率(kW)	1.64	1.18	0.91	0.81	0.71	0.58	0.54	0.75	0.75	0.75	0.75	0.37	0.37	0.75
	输出轴转矩(N.m)	840	840	840	840	840	840	840	384	534	692	750	486	536	887
80-135	输入轴功率(kW)	2.50	1.75	1.39	1.19	1.08	0.98	0.85	1.5	1.5	1.5	1.5	0.75	0.75	1.5
	输出轴转矩(N.m)	1400	1400	1400	1400	1400	1400	1400	616	880	1108	1294	1010	1071	1426
80-147	输入轴功率(kW)	2.79	2.1	1.71	1.47	1.34	1.20	1.06	1.5	1.5	1.5	1.5	0.75	0.75	1.5
	输出轴转矩(N.m)	1575	1575	1575	1575	1575	1575	1575	662	902	1208	1316	1300	1321	1575
100-155	输入轴功率(kW)	3.69	2.92	2.41	2.07	1.89	1.69	1.50	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	输出轴转矩(N.m)	2100	2100	2100	2100	2100	2100	2100	854	1079	1307	1522	1667	1864	2100
120-175	输入轴功率(kW)	5.09	3.91	3.27	2.72	2.53	2.50	2.05	3	3	3	3	2.2	2.2	3
	输出轴转矩(N.m)	3050	3050	3050	3050	3050	3050	3050	1798	2340	2798	3050	2500	2685	3050
135-200	输入轴功率(kW)	7.22	5.41	4.46	3.83	3.46	2.91	2.71	4	4	4	4	3	3	4
	输出轴转矩(N.m)	3950	3950	3950	3950	3950	3950	3900	2188	2920	3543	3950	3950	3950	3950
155-250	输入轴功率(kW)	11.71	8.14	6.00	5.14	4.67	4.07	3.67	5.5	5.5	5.5	5.5	4	4	5.5
	输出轴转矩(N.m)	6050	6050	6050	6050	6050	6050	6050	2841	4087	5546	6050	6050	6050	6050

注:型号80-147暂无WPWE(A.S.X.O.)及WPWEK(A.S.O.)

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

机型 Type 型号 Size	WP(D.K.A)	WP(D.K.S)	WP(D.K.X.0)	WPW(D)
40	0.1	0.2	0.2	0.2
50	0.2	0.4	0.5	0.4
60	0.3	0.5	0.6	0.5
70	0.6	0.9	1.2	0.8
80	1	1.3	1.5	1.5
100	1.7	2.7	3.9	2.6
120	2.8	4.5	5.8	4.5
135	4.5	7.2	8.6	5.6
147	4.2	7	11.1	-
155	5.9	10.3	14.2	11.7
175	7.5	12.1	16.7	13.9
200	12.2	18.9	27.2	16.7
250	22	33.9	48.9	30

实际传动比  
Actual ratio

名义传动比 Ratio 实际传动比 Actual ratio 规格 Size	10	15	20	25	30	40	50	60
40	10	15	20	25	30	40	50	60
50	10	15	20	25	30	40	50	60
60	10	15	20	25	30	39	50	60
70	10	15	20	25	30	40	50	60
80	10	15	20	25	30	40	50	60
100	10	15	20	25	30	40	50	60
120	10	15	19.5	25	30	39	50	60
135	10	15	20	25	30	40	50	60
147	9.667	14.5	20	25	29	40	50	61
155	10	15	20	25	30	40	50	59
175	10	15	20	25	30	40	50	60
200	10	15	20.5	25	30	41	50	60
250	10.25	15.25	20.5	25	30.5	41	50	61

6.使用说明

Installation & Usage

6.1.安装注意事项

- 6.1.1 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。
- 6.1.2 原动机——减速机——工作机的各联接轴伸，安装后必须互相准确对准轴线。
- 6.1.3 减速机输入端及输出端轴伸外径尺寸公差均按h6制作，与之相配的联轴器、皮带轮、链轮等传动件内孔须按合适的尺寸公差配制，避免装配过紧损坏轴承，装配过松影响正常动力传递。
- 6.1.4 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。
- 6.1.5 WPD型减速机装配电机时，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。
- 6.1.6 订购使用各类WPD减速机时，若电机重量偏大，应设支撑装置。

6.2. 使用注意事项

- 6.2.1 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、输入轴输出轴指向和回转方向等是否符合使用要求。
- 6.2.2 按照样本上“油品润滑”中所规定的要求，注入合适的品种牌号润滑油。加油后，旋紧顶部的通气器，拔掉通气器上之小锥塞，减速机方可开始运转。必须选用合适牌号的润滑油，必须控制适宜的加油量，必须按规定要求及时换油，尤其要重视首次使用100小时后的更换新油。
- 6.2.3 使用过程中发生不正常情况时，应及时停机检查，可参照“故障分析”表处理。（减速机的油温最高允许达到95℃，在此温度界限下，只要油温不再上升，可以放心使用）。

6.1. Notices of installation

- 6.1.1 The base-plate must be plane and stoutness, and the base-bolts must be screwed down and shockproof.
- 6.1.2 The connecting shafts of prime mover, reducer and operation device must be coaxial after installation.
- 6.1.3 The diameter tolerance zone of input and output shaft is h6, the holes of fittings (such as couplings, belt-pulley, sprocket wheel and so on) must properly mate the shaft, which prevents bearing from breakage because of over-tight mate or avoid effecting normal power transmission because of over-loose mate.
- 6.1.4 Drivers such as sprocket wheel and gear must be fitted close to bearings in order to reduce bending stress of hanging shaft.
- 6.1.5 While assembling motor of WPD reducer, it is necessary that proper amount of butter applies to the worm shaft input hole and keyway, avoiding assembling too tightly and rusting after using for a long time.
- 6.1.6 When Ordering or using all kinds of WPD type, if the motor weight is bigger than the common, Supporting Set is required.

6.2. Notices of usage

- 6.2.1 Before using, please check carefully whether the reducer model, distance, ratio, input connecting method, output shaft structure, input and output shaft direction and revolving direction accord with requirement.
- 6.2.2 According to the requirement of "lubricant" in the product manual, please fill proper category and brand lubricant. And then screw on the vent-plug, uncork the small cone-plug of vent-plug. Only After doing these, reducer is ready for starting up running. The proper brand and adequate lubricant oil is required; replacing oil in time conforming to the request of product manual is also necessary, especially after using first 100 hours, it is required refilling new oil.
- 6.2.3 When abnormal circumstances occur, please stop and check reducer per "Malfunctions Analysis" (allowable highest oil temperature is 95℃, under this temperature limit, if oil temperature no more goes up, please let reducer continue running).



## 7. 油品润滑 Lubricant


蜗杆减速机使用前应注入N220~N320(环境温度-30℃~40℃)或N320~N460(环境温度25℃~65℃)润滑油至油标中心点之上,并取掉通气器上之小锥塞。首次使用100小时后,洗净内部换上新油,以后每2500小时换油一次。

Before operation, input N220~N320(Ambient temperature-30℃~40℃), N320~460(Ambient temperature 25℃~65℃)lubrication oil up to the center line of the oil gauge. In the meanwhile, remove the small screw of the air-vent. After having worked for 100 hours for the first time, must clear the inside and change the lubrication oil in it, then renew the lubricant oil per 2500 hours.

减速机在使用时,可按下表选用润滑油

Lubricants for a reducer used in foreign countries can be chosen from the table below

Worm shaft speed(r/min)		Lubricant	Operating position Worm shaft,upper Worm shaft vertical	Operating position Worm shaft,lower Output Shaft Vertical
Over	up to			
1000	3000	Synthetic oils	PG460	PG220
	1000			PG220
2000	3000	Mineral oils	ISO VG460	ISO VG200
750	2000			ISO VG320
250	750			ISO VG460
	250			ISO VG680

周围温度 Ambient Temp	负荷 Load	ISO VG	GB3141-82		Mobil	AGMA	中国石油
-30℃~-15℃	普通Commonly	VG-100	N100	Shell Omala 100	Gear627	5	HD-100
	重 Weight	VG-150	N150	Shell Omala 150	Gear629	7	HD-150
-15℃~5℃	普通Commonly	VG-150	N150	Shell Omala 150	Gear629	7	HD-150
	重 Weight	VG-220	N220	Shell Omala 220	Gear630	7EP	HD-220
5℃~25℃	普通Commonly	VG-220	N220	Shell Omala 220	Gear630	7EP	HD-220
	重 Weight	VG-320	N320	Shell Omala 320	Gear632	6	HD-320
25℃~40℃	普通Commonly	VG-320	N320	Shell Omala 320	Gear632	6	HD-320
	重 Weight	VG-460	N460	Shell Omala 460	Gear634	8	HD-460
40℃~60℃	普通Commonly	VG-460	N460	Shell Omala 460	Gear634	8	HD-460
	重 Weight	VG-680	N680	Shell Omala 680	Gear636	8EP	HD-680

After the first 100 hours of operation: Drain unit and flush with light oil. Refill.  
Every 2500 hours of operation: Drain unit and flush with light oil. Refill.

## 8. 故障分析 Malfunctions Analysis

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

注:如遇发生其他故障无法解决,请随时与我们联系,以便提供咨询服务。  
Annotate: If other faults not listed above occur, Please contact with us at any moment, Our company will supply thorough consultation and service.