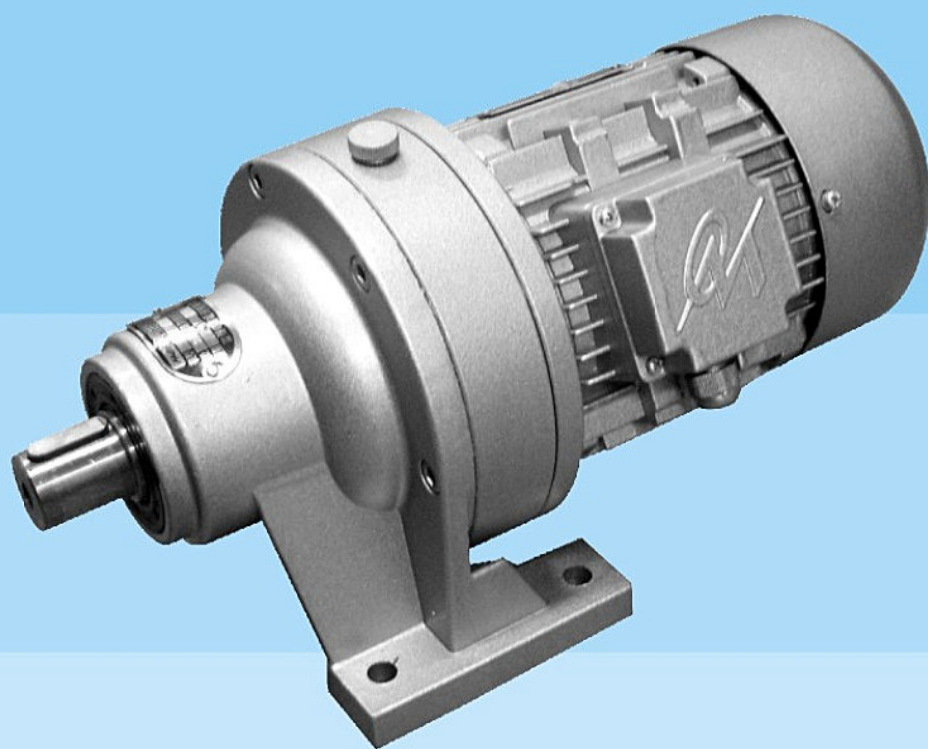




WB系列微型摆线针轮减速器
WB series of micro cycloidal reducer

WB系列微型摆线针轮减速器 WB series of micro cycloidal reducer

WB系列微型摆线减速器的型号规格及机型表示方法:

Model, specification and its expression of WB series of micro cycloidal speed reducers:

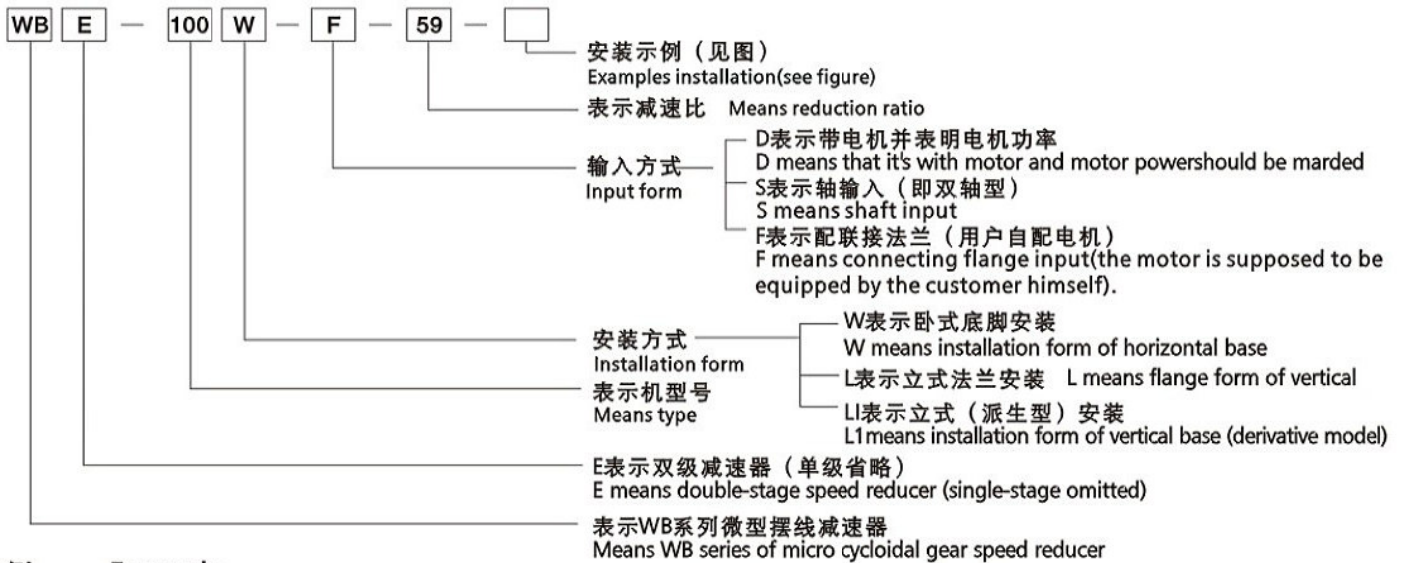
单级减速器机型有: WB65, WB85, WB100, WB120, WB150等五种其减速比分别有: 7, 9, 11, 17, 23, 29, 35, 43, 59, 71, 87, 101, 121等13种。

双级减速器机型有: WBE1065, WBE1285, WBE1510等三种。其减速比分别有: 121, 187, 289, 385, 473, 595, 731, 989, 1225, 1849, 2537, 3053等十二种。其三级减速器, 减速比更大。

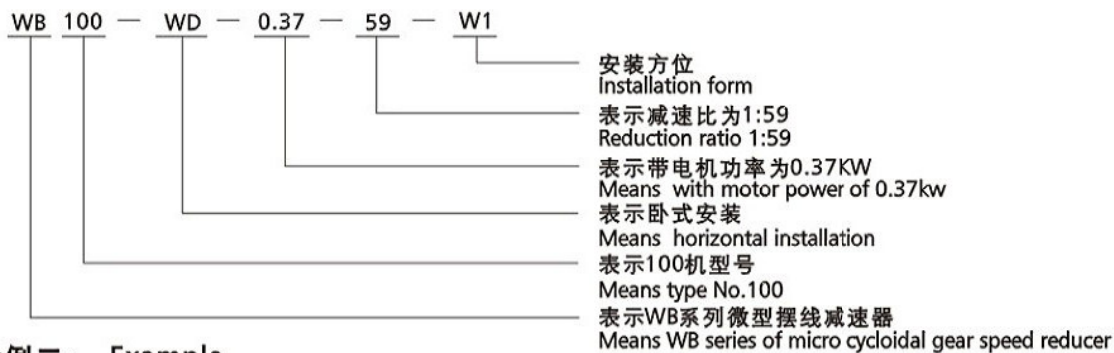
Single-stages speed reducer has five models WB65, WB85, WB100, WB120 and ,WB150, and their reduction ratios have 13 kinds including 7, 9, 11, 17, 23, 29, 35, 43, 59, 71, 87, 101 and 121.

Double-stage speed reducer has three models WBE1065, WBE1285, WBE1510, and their reduction ratios have 12 kinds including 121, 187, 289, 385, 473, 595, 731, 989, 1225, 1849, 2537 and 3053. Three-stage speed reducer has higher reduction ratio.

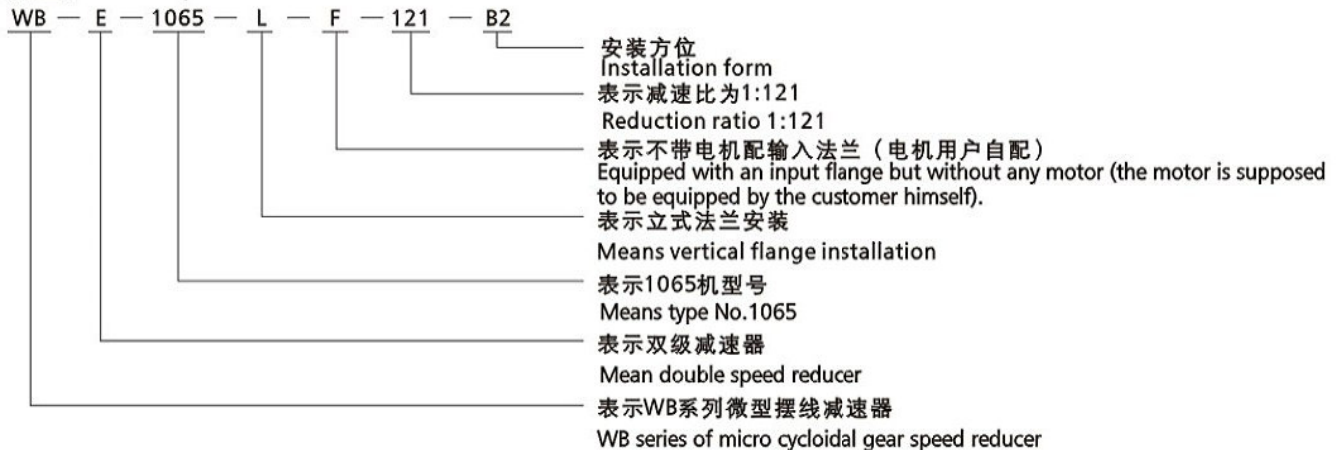
机型表示方法: Model expression



示例一: Example



示例二: Example



WB 系列单级减速器型号规格及选型参考

Model, specification and selection reference for WB series of single-stage speed reducer

表一 Table I

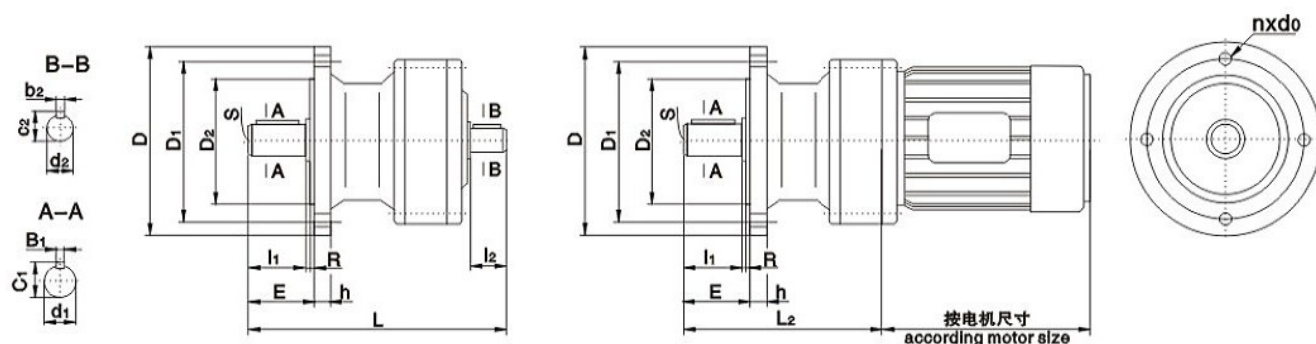
机型号 Model	配置电机功率 Power of motor disposed KW	减速比 Reduction ratio									
		9	11	17	23	29	35	43	59	71	87
		T2输出转矩n.m T2 output torque									
WB65	0.04-4p		2.70	4.20	5.60	7.20	8.55	10.50	14.50		
	0.06-4p		4.00	6.30	8.55	10.50	12.80	15.80	21.70		
	0.09-4p		6.05	9.35	12.70	15.90	19.20	23.70			
	0.12-4p		8.00	12.50	16.70	21.30	25.70				
4p输入时, 其输出转速(r/min) Output revolution(r/min) when 4p input			127	82	60	48	40	30	24		

表二 Table II

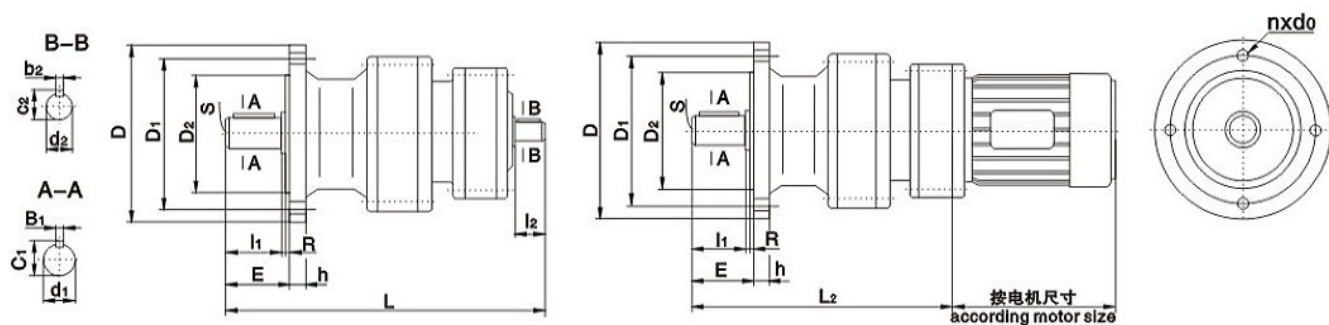
机型号 Model	配置电机功率 Power of motor disposed KW	减速比 Reduction ratio									
		9	11	17	23	29	35	43	59	71	87
		T2输出转矩n.m T2 output torque									
WB85	0.09-4p	5.00	6.05	9.35	12.7	15.9	19.2	23.7	32.5	39.2	
	0.12-4p	6.60	8	12.5	16.7	21.3	25.7	31.7	43.4	52.2	
	0.18-4p	9.90	12.1	18.7	25.4	31.2	38.6	47.4			
	0.25-4p	13.80	16.9	26.1	35.4	44.5	53.7				
	0.37-4p	20.40	24.9	38.5	52.1						
4p输入时, 其输出转速(r/min) Output revolution(r/min) when 4p input		155	127	82	60	48	40	32	24	20	

表三 Table III

机型号 Model	配置电机功率 Power of motor disposed KW		减速比 Reduction ratio									
			9	11	17	23	29	35	43	59	71	87
			T2输出转矩n.m T2 output torque									
WB100	0.18	4p	9.30	12.10	18.70	25.40	31.20	38.60	47.40	65.00	78.40	96.00
		6p	14.50	17.70	27.40	37.00	46.70	56.40	69.30	95.00	114.0	
	0.25	4p	13.80	16.90	26.10	35.40	44.50	53.70	66.00	90.00	108.0	133.0
		6p	20.00	24.50	37.90	51.30	64.60	78.00	95.80	130.0		
	0.37	4p	20.40	24.90	38.50	52.10	65.70	79.30	97.20	133.0		
		6p	29.80	36.40	56.20	76.10	96.00	116.0				
	0.55	4p	30.30	37.10	57.40	77.60	97.20	117.0				
		6p	44.30	54.10	83.60	113.0						
	0.75	4p	41.40	50.50	78.30	106.0	133.0					
		6p	60.40	73.80	114.0							
4p输入时, 其输出转速(r/min) Output revolution(r/min) when 4p input			155	127	82	60	48	40	32	24	20	16
6p输入时, 其输出转速(r/min) Output revolution(r/min) when 6p input			105	86	56	41	33	27	22	16	13	11



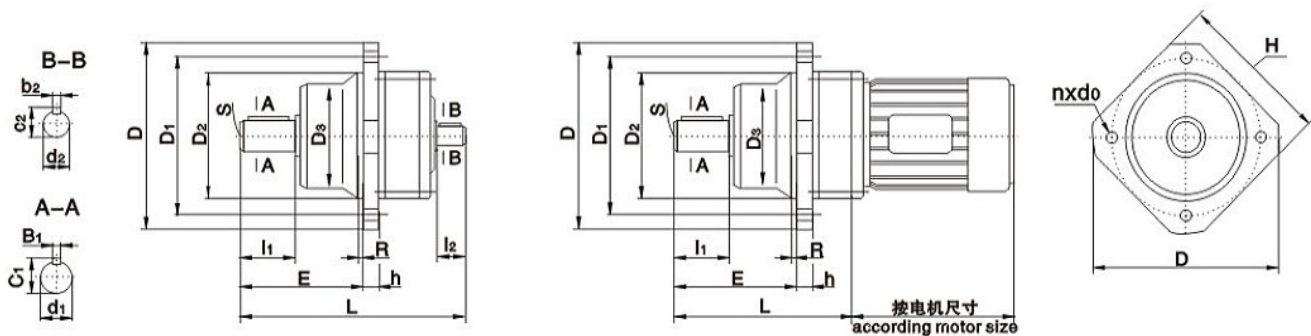
机型号 type	安装尺寸 mounting dimensions								轴伸尺寸 shaft dimensions								外形尺寸 Overall dimensions			质量 Weight
	D ₁	D ₂ (h8)	E	h	R	S	n	d ₀	输出轴 Output shaft				输入轴 Input shaft				D	L	L ₁	kg
									d ₁ (h8)	b ₁	c ₁	l ₁	d ₂ (h8)	b ₂	c ₂	l ₂				
65	100	65	24	8	2.5	M4	4	7	12	4	13.5	20	10	3	11	16	120	135	95	2.5
85	120	85	27	9	2.5	M5	4	9	14	5	16	23	12	3	13	16	140	148	110	3.5
100	134	100	30	10	3	M6	4	9	18	6	20.5	25	14	4	16.5	20	160	174	130	7
120	160	140	39	10	3	M8	4	11	30	8	33	35	15	5	17	22	190	215	165	11
150	200	170	60	14	4	M8	6	11	35	10	38.5	55	20	6	22.5	30	230	260	200	28



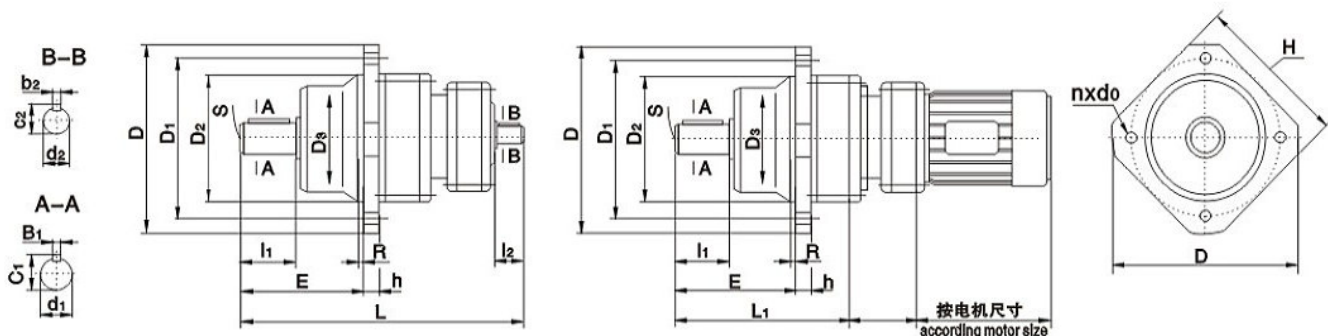
机型号 type	安装尺寸 mounting dimensions								轴伸尺寸 shaft dimensions								外形尺寸 Overall dimensions			质量 Weight
	D ₁	D ₂ (h8)	E	h	R	S	n	d ₀	输出轴 Output shaft				输入轴 Input shaft				D	L	L ₁	kg
									d ₁ (h8)	b ₁	c ₁	l ₁	d ₂ (h8)	b ₂	c ₂	l ₂				
1065	134	100	30	10	3	M6	4	9	18	6	20.5	25	10	3	11	16	160	225	185	9
1285	160	140	39	10	3	M8	4	11	30	8	33	35	12	3	13	16	190	268	230	14
1510	200	170	60	14	4	M8	6	11	35	10	38.5	55	14	4	16.5	20	230	325	295	36

注：表中质量不包含电机质量

Note: the weight in() divide motor' S



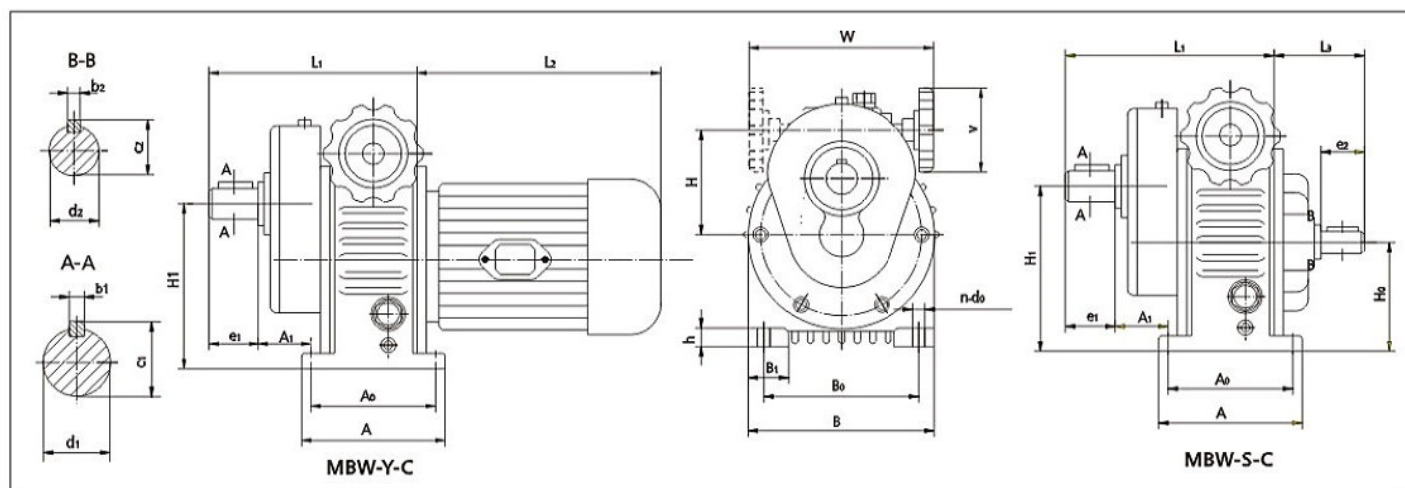
机型号 type	安装尺寸 mounting dimensions								轴伸尺寸 shaft dimensions								外形尺寸 Overall dimensions				质量 Weight	
	D ₁	D _{2(h8)}	E	h	R	S	H	n	d ₀	输出轴 Output shaft				输入轴 Input shaft				D	D ₃	L	L ₁	kg
										d _{1(h6)}	b ₁	c ₁	l ₁	d _{2(h6)}	b ₂	c ₂	l ₂					
65	125	65	65	9	2.5	M4	105	4	7	12	4	13.5	20	7	3	11	16	145	50	135	95	2.5
85	140	85	82	10	2.5	M5	125		9	14	5	16	23	9	3	13	16	165	55	148	110	3.5
100	160	100	93	12	3	M6	140		9	18	6	20.5	25	9	4	16.5	20	185	65	174	130	7
120	185	120	118	12	3	M8	160		11	30	8	33	35	11	5	17	22	210	85	215	165	11
150	240	150	140	15	4	M8	210		11	35	10	38.5	55	15	6	22.5	30	270	115	260	200	28



机型号 type	安装尺寸 mounting dimensions									轴伸尺寸 shaft dimensions								外形尺寸 Overall dimensions				质量 Weight
	D1	D2(h8)	E	h	R	S	H	n	d0	输出轴 Output shaft				输入轴 Input shaft				D	D3	L	L1	kg
										d1(h6)	b1	c1	l1	d2(h6)	b2	c2	l2					
1065	160	100	93	12	3	M6	140	4	9	18	6	20.5	25	10	3	11	16	185	65	225	185	9
1285	185	120	118	12	3	M8	160		11	30	8	33	35	12	3	13	16	210	85	268	230	14
1510	240	150	140	15	3	M8	210		15	35	10	38.5	55	14	4	16.5	20	270	115	325	295	36

注：表中质量不包含电机质量

Note: the weight in() divide motor' S

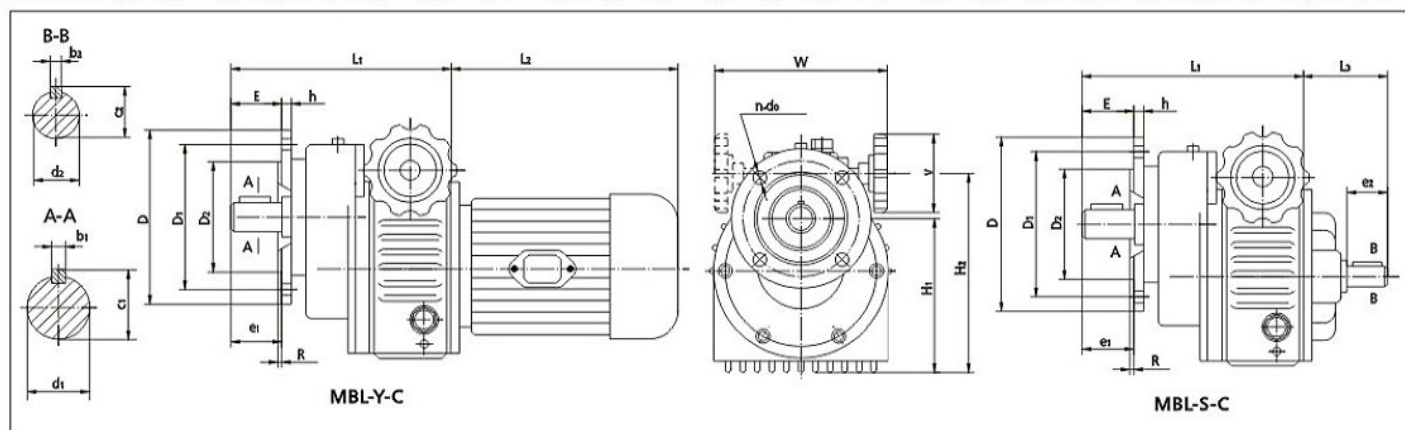


MBW-C MBW-Y-C 带一级齿轮卧式外型安装尺寸

Appearance installation size of MBW-C MBW-Y-C horizontal type with grade one gear

表五 Table5

机型号 Model	中心高 The center is high		安装尺寸 Installation size						轴伸联接尺寸 Connecting size for shaft extension								外形尺寸 Appearance size							
	输入 Input	输出 Output	A ₀	A ₁	B ₀	B ₁	h	n-d ₀	输出轴 Output shaft				输入轴 Input shaft				A	B	H	L ₁	L ₂	W	v	L ₂
	H ₀	H ₁							d ₁	b ₁	c ₁	e ₁	d ₂ j ₆	b ₂	c ₂	e ₂								
MBW02-C	75	120	105	57	110	25	12	4-ø10	20j ₆	6	22.5	30	14	5	16	25	125	140	85	170	65	200	85	See the motor table 详见电机一览表
MBW04-C	90	135	105	59	120	30	12									30	135	150	96	171	76	220		
MBW07-C	106	166	125	69	160	40	15	4-ø12	28j ₆	8	31	35	19	6	21.5	30	150	190	109	209	66	230		
MBW15-C	125	190	140	78	180	50	18		30j ₆	8	33	45	24	8	27	40	165	230	121	245	91	270		
MBW22-C	150	230	230	93	245	55	20	4-ø15	40k ₆	12	43	60	24	8	27	50	270	300	150	306	119	340	110	See the motor table 详见电机一览表
MBW40-C																								
MBW55-C	200	320	250	157	315	70	25	4-ø18	50k ₆	14	53.5	82	32	10	35	60	290	365	192	455	109	400		
MBW75-C																								



MBL-C MBL-Y-C 带一级齿轮立式外型安装尺寸

Appearance installation size of MBL-C MBL-Y-C vertical type with grade one gear

表六 Table6

机型号 Model	安装尺寸 Installation size						轴伸联接尺寸 Connecting size for shaft extension								外形尺寸 Appearance size							
	D ₁	D ₂ h ₉	E	h	R	n-d ₀	输出轴 Output shaft				输入轴 Input shaft				D	H ₁	H ₂	L ₁	L ₂	W	v	L ₂
							d ₁	b ₁	c ₁	e ₁	d ₂ j ₆	b ₂	c ₂	e ₂								
MBL02-C	130	110	30	12	3.5	4-ø10	20j ₆	6	22.5	30	14	5	16	25	160	120	160	197	65	200	85	See the motor table 详见电机一览表
MBL04-C														30		135	186	203	76	220		
MBL07-C	165	130	35	14	3.5	4-ø12	28j ₆	8	31	35	19	6	21.5	30	200	166	215	240	66	230		
MBL15-C			45	14	4		30j ₆	8	33	45	24	8	27	40	200	190	246	266	91	270		
MBL22-C	215	180	60	16	4	4-ø15	40k ₆	12	43	60	24	8	27	50	250	230	300	337	119	340	110	See the motor table 详见电机一览表
MBL40-C																						
MBL55-C	265	230	82	20	5	4-ø18	50k ₆	14	53.5	82	32	10	35	60	300	320	389	453	109	400		
MBL75-C																						

WB 系列双级减速器型号规格及选型参考

Model, specification and selection reference for WB series of double-stage speed reducer

表六 Table VI

机型号 Model	配置电机功率(KW) Power of motor disposed	减速比 Reduction ratio												
		121 11*11	187 11*17	289 17*17	385 11*35	473 11*43	595 17*35	731 17*43	989 23*43	1255 35*35	1849 43*43	2537 43*59	3481 59*59	5133 59*87
		T ₂ 输出转矩n.m T ₂ output torque												
WBE1065	0.04-4P	26.3	40.7	63	83.2	103	129	160	215	267	403	558	765	1129
	0.06-4P	40	61	94.4	125	154	194	239	323	400	604	837	1148	1693
	0.09-4P	59.4	92	143	198	232	292	358	485	601	908	1243	1705	2515
	0.12-4P	79.2	121	186	254	309	388	478	647	801	1209	1649	2262	3336
4p输入时其输出转速r/min Output revolution when 4p input		11.5	7.5	4.8	3.6	3	2.3	1.9	1.4	1.1	0.7	0.55	0.4	0.27

表七 Table VII

机型号 Model	配置电机功率(KW) Power of motor disposed	减速比 Reduction ratio												
		121 11*11	187 11*17	289 17*17	385 11*35	473 11*43	595 17*35	731 17*43	989 23*43	1255 35*35	1849 43*43	2537 43*59	3481 59*59	5133 59*87
		T ₂ 输出转矩n.m T ₂ output torque												
WBE1285	0.09-4P	59.4	92	143	198	232	292	358	485	601	908	1243	1705	2515
	0.12-4P	79.2	121	186	254	309	388	478	647	801	1209	1649	2262	3336
	0.18-4P	108	183	283	377	464	583	716	969	1201	1815	2486	3411	5030
	0.25-4P	164	255	394	525	645	812	997	1350	1672	2524	3424	4699	6929
	0.37-4P	244	376	583	776	953	1200	1473	1978	2470	3728	5074	6962	10266
4p输入时其输出转速r/min Output revolution when 4p input		11.5	7.5	4.8	3.6	3	2.3	1.9	1.4	1.1	0.7	0.55	0.4	0.27

表八 Table VIII

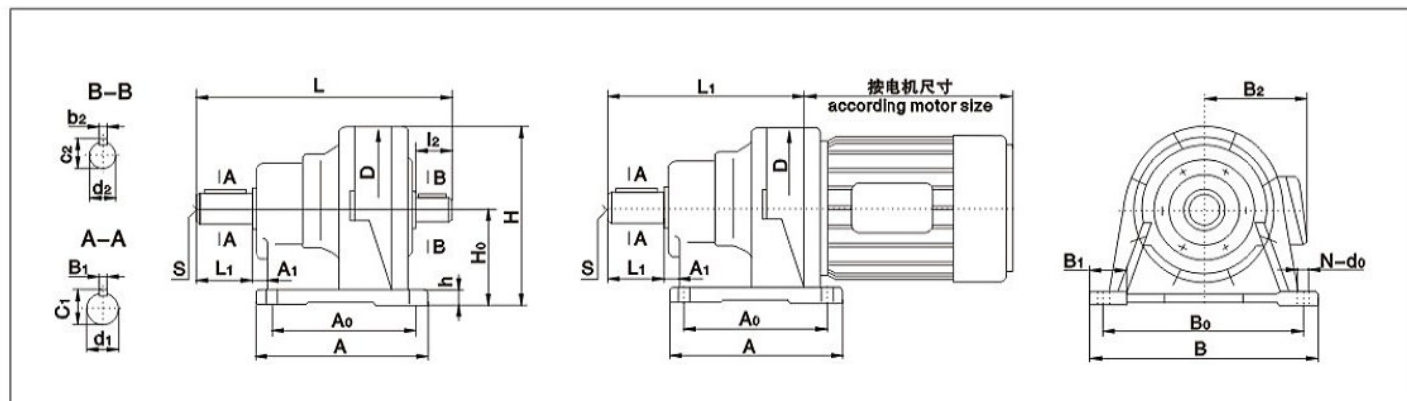
机型号 Model	配置电机功率(KW) Power of motor disposed	减速比 Reduction ratio												
		121 11*11	187 11*17	289 17*17	385 11*35	473 11*43	595 17*35	731 17*43	989 23*43	1255 35*35	1849 43*43	2537 43*59	3481 59*59	5133 59*87
		T ₂ 输出转矩n.m T ₂ output torque												
WBE1510	0.18-4P	108	183	283	377	464	583	716	969	1201	1815	2486	3411	5030
	0.25-4P	164	255	394	525	645	812	997	1350	1672	2524	3424	4699	6929
	0.37-4P	244	376	583	776	953	1200	1473	1978	2470	3728	5074	6962	10266
4p输入时其输出转速r/min Output revolution when 4p input		11.5	7.5	4.8	3.6	3	2.3	1.9	1.4	1.1	0.7	0.55	0.4	0.27

注: 粗线下的T₂输出转矩数值(N.m)已大于该型减速的许用转矩值。

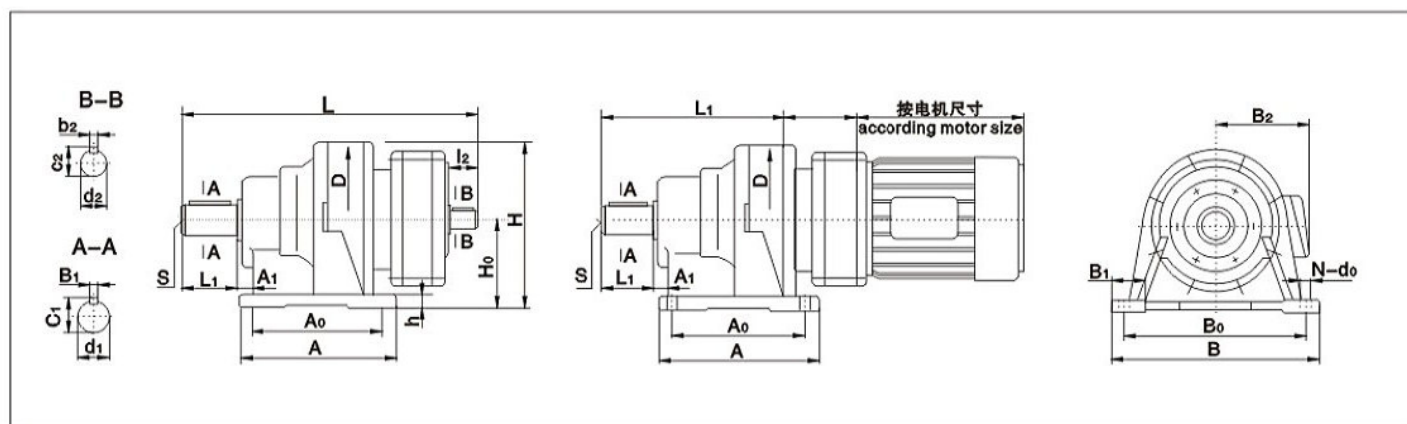
Note: T₂ output torque value (N.m) under blue line has been more than the allowable torque value of this type of speed reduction.

单级卧式外形及安装尺寸

Dimensions of single stage foot-mounted cycloidal reducer



机型号 type	安装尺寸 mounting dimensions									轴伸尺寸 shaft dimensions								外形尺寸Overall dimensions						质量 Weight
	H ₀	A ₀	A ₁	B ₁	B ₀	h	s	n	d ₀	输出轴 Output shaft				输入轴 Input shaft				A	B	H	D	L	L ₁	
										d ₁ (h ₆)	b ₁	c ₁	l ₁	d ₂ (h ₆)	b ₂	c ₂	l ₂							
																								kg
65	60	60	25	25	130	8	M4	4	7	12	4	13.5	20	10	3	11	16	90	150	120	110	135	95	2.5
85	70	70	30	30	150	10	M5		9	14	5	16	23	12	3	13	16	100	175	140	127	148	110	3.5
100	80	80	38	32	160	12	M6		9	18	6	20.5	25	14	4	16.5	20	110	185	155	145	174	130	7
120	100	90	58	35	150	15	M8		11	30	8	33	35	15	5	17	22	120	185	190	168	215	165	11
150	120	120	60	50	210	18	M8		15	35	10	38.5	55	20	6	22.5	30	160	250	235	210	260	200	28



机型号 type	安装尺寸 mounting dimensions									轴伸尺寸 shaft dimensions								外形尺寸Overall dimensions						质量 Weight		
	H ₀	A ₀	A ₁	B ₁	B ₀	h	s	n	d ₀	输出轴 Output shaft				输入轴 Input shaft				A	B	H	D	L	L ₁			
										d ₁ (h ₆)	b ₁	c ₁	l ₁	d ₂ (h ₆)	b ₂	c ₂	l ₂							kg		
1065	80	80	38	32	160	12	M6	4	9	18	6	20.5	25	10	3	11	16	110	185	155	145	225	185	9		
1285	100	90	58	35	150	15	M8	4	11	30	8	33	35	12	3	13	16	120	185	190	168	268	230	14		
1510	120	120	60	50	210	18	M8	4	15	35	10	38.5	55	14	4	16.5	20	160	250	235	210	325	295	36		
注：表中质量不包含电机质量																									Note:the weight in()divide motor' S	

注：表中质量不包含电机质量

Note: the weight in() divide motor' S