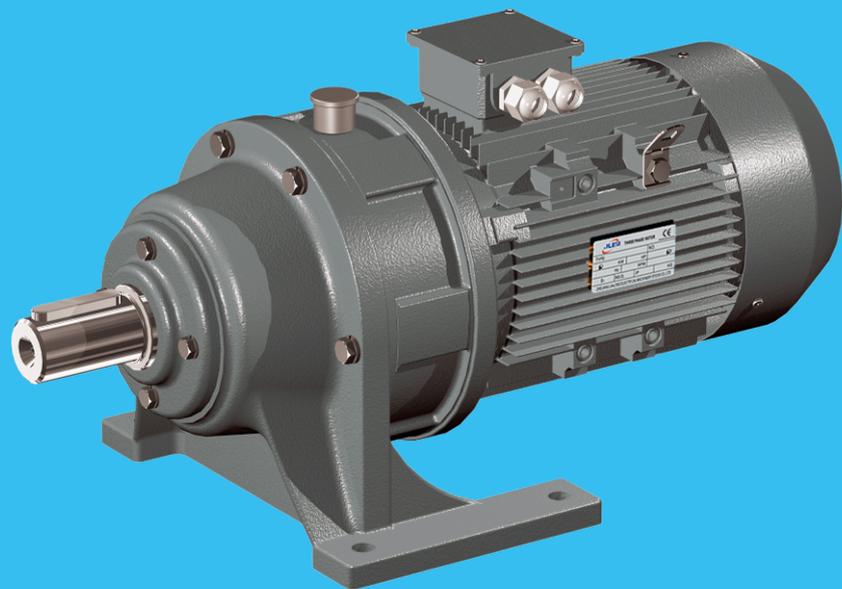


# X、B、JXJ SERIES

cycloid reducer

X、B、JXJ 系列摆线针轮减速机



X、B、JXJ系列摆线针轮减速机  
X、B、JXJ Series cycloid reducer

一、特点 Characteristics

- 1、传动比大：一级减速时传动比为1/9-1/87;二级减速时传动比为1/99-1/7569;三级减速时传动比为1/2057-1/658503;根据需要可采用更多级组合
- 2、传动效率高：由于该机啮合部位采用了滚动啮合，平均效率可达90%以上。
- 3、体积小、重量轻;由于不仅采用了行星传动原理，输入轴和输出轴在同一条轴线上，而且有与电机直联呈一体的独特之处，因而本机具有结构紧凑、体积小、重量轻的特点。
- 4、故障少、寿命长:本机主要传动啮合件使用轴承钢制造，因此机械性能好，耐磨性能好，再加采用滚动摩擦，故障少、寿命长。
- 5、运转可靠平稳：本机传动过程中为多齿啮合，所以使之运转平稳可靠、噪音低，
- 6、拆装方便，容易维修：由于结构设计合理拆装简单便于维修。
- 7、本机还具有过载能力强、耐冲击、惯性力矩小，适用于起动频繁和正反转的特点。

- 1、Large ratio:the ratio is 1/9-1/87 at single redgle reduce,1/99-1/7569 at two stage reduce,1/2057-1/658503 at three stage reduce;and also can have combo reduce per requirement.
- 2、High efficiency:because of rolling mesh at gearing,rhe average dfficiency is over 90%.
- 3、Impact size ,light weight:With planetary transmission,the input and output and output shafts are in same axel,and unit is combined with motor in line.
- 4、Less problem,long working life:the main gearing parts were made by bearing steel,rhe unit has good machanical property,by rolling attrition,it' s less problem and long working l fe.
- 5、Stable reliable rutning,the unit is working by teeth meshing,thus it works stable and low noisy.
- 6、Easy disassembly,maintaining:with professional design,the unit is disassembly and maintain easily.
- 7、High overloading,attacking and less inertia torque,the unit can be used in case of requency starting and reversing.

二、本产品执行JB/T2982-94国际标准  
This produce performs JB/T2982-94 national standards

三、机型对照表 Contrast differdnt foane size  
单级机型对照表 Single-stage speed reducer contrast different frame size

系列标准 Series standard	机型 Type									
X天津	X2	X3	X4	X5	X6	X7	X8	X9	X10	X11
B化工部	B0	B1	B2	B3	B4		B5	B6	B7	B8
B机械部	B12	B15	B18	B22	B27		B33	B39	B45	B55
JXJ江门	JXJ0	JXJ1	JXJ2	JXJ3	JXJ4		JXJ5	JXJ6	JXJ7	JXJ8

双级机型对照表 Double-stage speed reducer contrast different frame size

系列标准 Series standard	机型 Type										
X天津	X32	X42	X53	X63	X64	X74	X84	X85	X95	X106	X117
B化工部	B10	B20	B31	B41	B42		B52	B53	B63	B74	B85
B机械部	B1512	B1812	B2215	B2715	B2718		B3318	B3322	B3922	B4527	B5527
JXJ江门	JXJE10	JXJE20	JXJE31	JXJE41	JXJE42		JXJE52	JXJE53	JXJE63	JXJE74	JXJE85

#### 四、机型号表示例 Example for type designation

型号中的字母代表:

L-立式 W-卧式 X-行星摆线针轮 Y-普通电机法兰 D-表示带电机 E-双级 B-防爆电机 T-调速电机 N-制动电机 Z-直流电机

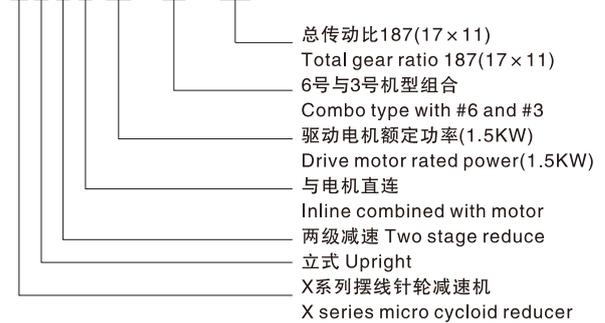
Letter sign:

L-upright, W-horizontal, Y-motor flange, D-with motor, B-with explosion proof motor, T-reduce motor, N-brake motor, Z-DC motor

X W D 4 - 5 - 29



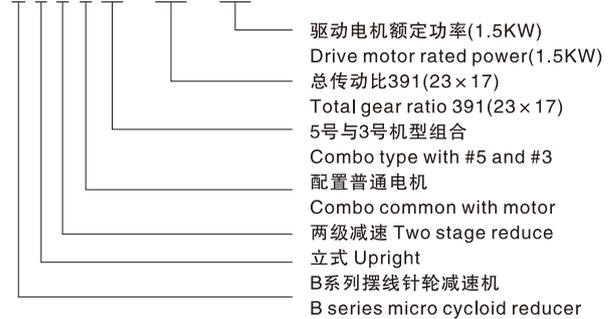
X L E D 1.5 - 63 - 187



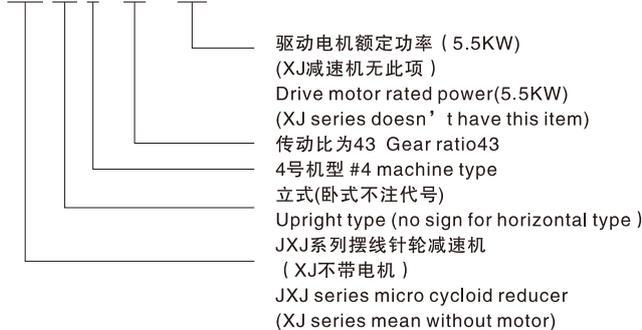
B W Y 3 - 43 - 2.2



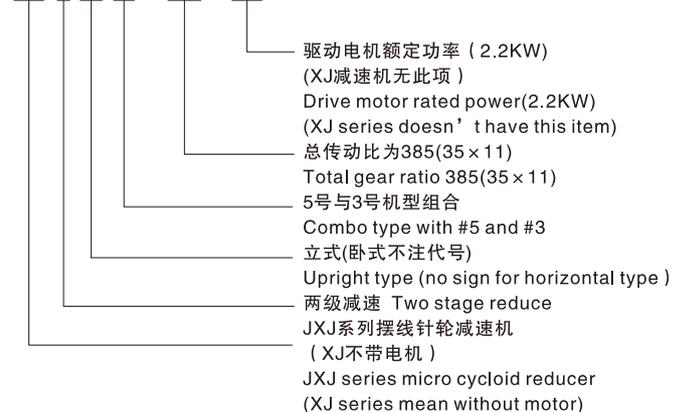
B L E Y 53 - 391 - 1.5



JXJ (L) 4 - 43 - 5.5



JXJ E (L) 53 - 385 - 2.2



#### 五、摆线减速机许用扭矩表

Table of allowable torque of cycloid speed reducer

机型Type	X2	X3	X4	X5	X6	X7	X8	X9	X10	X11
许用扭矩极限值N.m Limited torque data N.m	150	250	500	1000	2000	2700	4500	7100	12000	20000

六、单级X摆线减速机型号规格及选型参考

Model and specification of single stage X cycloid speed reducer and reference for its model selection

机型Type	配置电机功率 (KW) Power of motor disposed	减速机 Reducer ratio									
		9	11	17	23	29	35	43	59	71	87
		输出扭矩N.m Output torque									
X2	0.37	20.4	24.9	38.5	52.1	65.7	79.3	97.2	133	-	-
	0.55	30.3	37.1	57.4	77.6	97.2	117	145	-	-	-
	0.75	41.4	50.5	78.3	106	133	-	-	-	-	-
	1.1	-	-	-	-	-	-	-	-	-	-
	1.5	-	-	-	-	-	-	-	-	-	-
当输入1400r/min时 When 1400r/min input	输出转速r/min Output revolution	155	127	82	60	48	40	32	23	-	-
当输入960r/min时 When 960r/min input	power of motor disposed	106	87	56	41	33	27	22	16	-	-
机型Type	配置电机功率 (KW) Power of motor disposed	减速机 Reducer ratio									
		9	11	17	23	29	35	43	59	71	87
		输出扭矩N.m Output torque									
X3	0.55	30.3	37.1	57.4	77.6	97.2	117	145	199	239	-
	0.75	41.4	50.5	78.3	106	133	161	198	271	-	-
	1.1	60.5	74	114	155	195	235	-	-	-	-
	1.5	82.9	100	156	211	266	-	-	-	-	-
	2.2	121	148	230	-	-	-	-	-	-	-
当输入1400r/min时 When 1400r/min input	输出转速r/min Output revolution	155	127	82	60	48	40	32	23	20	-
当输入960r/min时 When 960r/min input	power of motor disposed	106	87	56	41	33	27	22	16	13	-
机型Type	配置电机功率 (KW) Power of motor disposed	减速机 Reducer ratio									
		9	11	17	23	29	35	43	59	71	87
		输出扭矩N.m Output torque									
X4	0.75	41.4	50.5	78.3	106	133	161	198	271	326	400
	1.1	60.5	74	114	155	195	235	289	397	478	-
	1.5	82.9	100	156	211	266	322	396	-	-	-
	2.2	121	148	229	310	391	472	-	-	-	-
	3.0	165	202	313	423	-	-	-	-	-	-
	4	220	270	416	-	-	-	-	-	-	-
当输入1400r/min时 When 1400r/min input	输出转速r/min Output revolution	155	127	82	60	48	40	32	23	20	17
当输入960r/min时 When 960r/min input	power of motor disposed	106	87	56	41	33	27	22	16	13	11
机型Type	配置电机功率 (KW) Power of motor disposed	减速机 Reducer ratio									
		9	11	17	23	29	35	43	59	71	87
		输出扭矩N.m Output torque									
X5	1.5	82.9	100	156	211	266	322	396	542	653	801
	2.2	121	148	229	310	391	472	580	796	958	-
	3.0	165	202	313	423	533	644	792	-	-	-
	4.0	220	270	416	564	712	859	-	-	-	-
	5.5	304	370	574	776	979	-	-	-	-	-
	7.5	414	506	783	-	-	-	-	-	-	-
当输入1400r/min时 When 1400r/min input	输出转速r/min Output revolution	155	127	82	60	48	40	32	23	20	17
当输入960r/min时 When 960r/min input	power of motor disposed	106	87	56	41	33	27	22	16	13	11

机型Type	配置电机功率 (KW) Power of motor disposed	减速机 Reducer ratio									
		9	11	17	23	29	35	43	59	71	87
		输出扭矩N.m Output torque									
X6	2.2	121	148	229	310	391	472	580	796	958	1174
	3.0	165	202	313	423	533	644	792	1086	1307	1602
	4.0	220	270	416	564	712	859	1055	1450	1743	-
	5.5	304	370	574	776	979	1181	1451	-	-	-
	7.5	414	506	783	1059	1335	1612	-	-	-	-
	11	607	743	1148	1553	-	-	-	-	-	-
当输入1400r/min时 When 1400r/min input	输出转速r/min Output revolution	155	127	82	60	48	40	32	23	20	17
当输入960r/min时 When 960r/min input	power of motor disposed	106	87	56	41	33	27	22	16	13	11
机型Type	配置电机功率 (KW) Power of motor disposed	减速机 Reducer ratio									
		9	11	17	23	29	35	43	59	71	87
		输出扭矩N.m Output torque									
X7	3.0	165	202	313	423	533	644	792	1086	1307	1602
	4.0	220	270	416	564	712	859	1055	1450	-	-
	5.5	304	370	574	776	979	1181	1451	-	-	-
	7.5	414	506	783	1059	1335	1612	-	-	-	-
	11	607	743	1148	1553	-	-	-	-	-	-
当输入1400r/min时 When 1400r/min input	输出转速r/min Output revolution	155	127	82	60	48	40	32	23	20	17
当输入960r/min时 When 960r/min input	power of motor disposed	106	87	56	41	33	27	22	16	13	11
机型Type	配置电机功率 (KW) Power of motor disposed	减速机 Reducer ratio									
		9	11	17	23	29	35	43	59	71	87
		输出扭矩N.m Output torque									
X8	5.5	304	370	574	776	979	1181	1451	1992	2397	2937
	7.5	414	506	783	1059	1335	1612	1979	2716	3268	3791
	11	607	742	1147	1553	1958	2363	2903	4110	-	-
	15	831	1015	1572	2148	2686	3223	4028	-	-	-
	18.5	1489	1821	2896	3808	-	-	-	-	-	-
当输入1400r/min时 When 1400r/min input	输出转速r/min Output revolution	155	127	82	60	48	40	32	23	20	17
当输入960r/min时 When 960r/min input	power of motor disposed	106	87	56	41	33	27	22	16	13	11
机型Type	配置电机功率 (KW) Power of motor disposed	减速机 Reducer ratio									
		9	11	17	23	29	35	43	59	71	87
		输出扭矩N.m Output torque									
X9	7.5	414	506	783	1059	1335	1612	1979	2716	3268	3791
	11	607	742	1147	1553	1969	2363	2954	4110	4729	5561
	15	831	1015	1572	2148	2686	3223	4028	5605	-	-
	18.5	1489	1821	2896	3808	4803	5796	7121	-	-	-
	22	1771	2165	3346	4527	5709	6890	-	-	-	-
	30	2416	2954	4566	6179	-	-	-	-	-	-
当输入1400r/min时 When 1400r/min input	输出转速r/min Output revolution	155	127	82	60	48	40	32	23	20	17
当输入960r/min时 When 960r/min input	power of motor disposed	106	87	56	41	33	27	22	16	13	11

机型Type	配置电机功率 (KW) Power of motor disposed	减速机 Reducer ratio									
		9	11	17	23	29	35	43	59	71	87
		输出扭矩N.m					Output torque				
X10	15	-	1015	1572	2148	2685	3223	4028	5605	6446	7583
	18.5	-	1821	2896	3808	4803	5796	7121	9772	11759	-
	22	-	2165	3346	4527	5709	6890	8465	11625	-	-
	30	-	2954	4566	6179	7791	9403	11552	-	-	-
	37	-	3641	5627	7614	9610	11587	-	-	-	-
	45	-	4428	6843	9259	11674	-	-	-	-	-
当输入1400r/min时 When 1400r/min input	输出转速r/min Output revolution	-	127	82	60	48	40	32	23	20	17
当输入960r/min时 When 960r/min input	power of motor disposed	-	87	56	41	33	27	22	16	13	11

机型Type	配置电机功率 (KW) Power of motor disposed	减速机 Reducer ratio									
		9	11	17	23	29	35	43	59	71	87
		输出扭矩N.m					Output torque				
X11	18.5	-	1821	2896	3808	4803	5796	7121	9772	11759	14455
	22	-	2165	3346	4527	5709	6890	8465	11625	14545	-
	30	-	2954	4566	6179	7791	9403	11552	16115	-	-
	37	-	3641	5627	7614	9610	11587	14455	-	-	-
	45	-	4428	6843	9259	11674	14325	-	-	-	-
	55	-	5496	8441	11529	14325	17508	-	-	-	-
当输入1400r/min时 When 1400r/min input	输出转速r/min Output revolution	-	127	82	60	48	40	32	23	20	17
当输入960r/min时 When 960r/min input	power of motor disposed	-	87	56	41	33	27	22	16	13	11

注：1、“-”如须选用特殊订货

2、参考表中的输出扭矩是按电机功率15KW以下为4极电机1400r/min时值。18.5KW及以上按6极电机960r/min时值。

Note:1、“-” need special ordering

2.The output torque in reference table is for 4 pole,1400r/min motor below 15KW.For 18.5KW and above per 6 pole 960r/min motor data.

### 七、双级减速机型号规格及选型参考

Model and specifications of double-stage reducer and reference for its model selection.

机型Type	配置电机功率 (KW) Power of motor disposed	减速机 Reducer 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	1225 35×35	1849 43×43
		输出扭矩N.m					Output torque				
XE42	0.37	244	376	490	-	-	-	-	-	-	-
	0.55	363	454	-	-	-	-	-	-	-	-
	0.75	495	-	-	-	-	-	-	-	-	-
当输入1400r/min时 When 1400r/min input	输出转速r/min Output revolution	11.5	7.5	4.8	3.6	3	2.3	1.9	1.4	1.1	0.7
当输入960r/min时 When 960r/min input	power of motor disposed	8	5	3.3	2.5	2	1.6	1.3	1.0	0.8	0.5

机型Type	配置电机功率 (KW) Power of motor disposed	减速机 Reducer 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	1225 35×35	1849 43×43
		输出扭矩N.m					Output torque				
XE53	0.55	363	560	867	981	-	-	-	-	-	-
	0.75	495	765	981	-	-	-	-	-	-	-
	1.1	726	981	-	-	-	-	-	-	-	-
	1.5	990	-	-	-	-	-	-	-	-	-
当输入1400r/min时 When 1400r/min input	输出转速r/min Output revolution	11.5	7.5	4.8	3.6	3	2.3	1.9	1.4	1.1	0.7
当输入960r/min时 When 960r/min input	power of motor disposed	8	5	3.3	2.5	2	1.6	1.3	1.0	0.8	0.5

机型Type	配置电机功率 (KW) Power of motor disposed	减速机 Reducer 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	1225 35×35	1849 43×43
		输出扭矩N.m Output torque									
XE63	0.75	495	765	1183	1576	1807	1961	-	-	-	-
	1.1	726	1122	1735	1961	-	-	-	-	-	-
	1.5	990	1531	1961	-	-	-	-	-	-	-
	2.2	1452	1950	-	-	-	-	-	-	-	-
当输入1400r/min时 When 1400r/min input	输出转数r/min Output revolution	11.5	7.5	4.8	3.6	3	2.3	1.9	1.4	1.1	0.7
当输入960r/min时 When 960r/min input	power of motor disposed	8	5	3.3	2.5	2	1.6	1.3	1.0	0.8	0.5

机型Type	配置电机功率 (KW) Power of motor disposed	减速机 Reducer 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	1225 35×35	1849 43×43
		输出扭矩N.m Output torque									
XE64	0.75	495	765	1183	1576	1936	-	-	-	-	-
	1.1	726	1122	1735	1936	-	-	-	-	-	-
	1.5	990	1531	1936	-	-	-	-	-	-	-
	2.2	1452	1936	-	-	-	-	-	-	-	-
当输入1400r/min时 When 1400r/min input	输出转数r/min Output revolution	11.5	7.5	4.8	3.6	3	2.3	1.9	1.4	1.1	0.7
当输入960r/min时 When 960r/min input	power of motor disposed	8	5	3.3	2.5	2	1.6	1.3	1.0	0.8	0.5

机型Type	配置电机功率 (KW) Power of motor disposed	减速机 Reducer 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	1225 35×35	1849 43×43
		输出扭矩N.m Output torque									
XE74	1.1	726	1122	1735	2150	2648	-	-	-	-	-
	1.5	990	1531	2366	2648	-	-	-	-	-	-
	2.2	1452	2244	2650	-	-	-	-	-	-	-
	3.0	1981	2700	-	-	-	-	-	-	-	-
当输入1400r/min时 When 1400r/min input	输出转数r/min Output revolution	11.5	7.5	4.8	3.6	3	2.3	1.9	1.4	1.1	0.7
当输入960r/min时 When 960r/min input	power of motor disposed	8	5	3.3	2.5	2	1.6	1.3	1.0	0.8	0.5

机型Type	配置电机功率 (KW) Power of motor disposed	减速机 Reducer 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	1225 35×35	1849 43×43
		输出扭矩N.m Output torque									
XE84	1.5	990	1531	2366	3152	3872	4413	-	-	-	-
	2.2	1452	2244	3469	4014	4413	-	-	-	-	-
	3.0	1981	3062	4910	4413	-	-	-	-	-	-
	4.0	2641	4082	4413	-	-	-	-	-	-	-
当输入1400r/min时 When 1400r/min input	输出转数r/min Output revolution	11.5	7.5	4.8	3.6	3	2.3	1.9	1.4	1.1	0.7
当输入960r/min时 When 960r/min input	power of motor disposed	8	5	3.3	2.5	2	1.6	1.3	1.0	0.8	0.5

机型Type	配置电机功率 (KW) Power of motor disposed	减速机 Reducer 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	1225 35×35	1849 43×43
		输出扭矩N.m Output torque									
XE85	2.2	1452	2244	3469	4314	-	-	-	-	-	-
	3.0	1981	3062	4310	4413	-	-	-	-	-	-
	4.0	2641	4082	4413	-	-	-	-	-	-	-
	5.5	3633	4413	-	-	-	-	-	-	-	-
当输入1400r/min时 When 1400r/min input	输出转数r/min Output revolution	11.5	7.5	4.8	3.6	3	2.3	1.9	1.4	1.1	0.7
当输入960r/min时 When 960r/min input	power of motor disposed	8	5	3.3	2.5	2	1.6	1.3	1.0	0.8	0.5

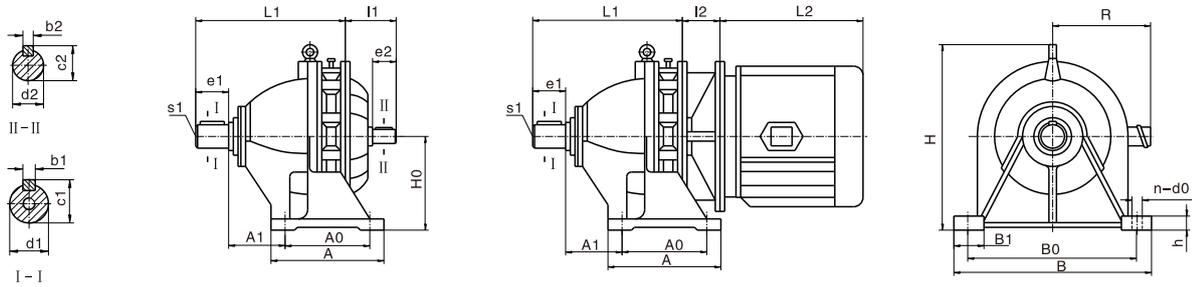
机型Type	配置电机功率 (KW) Power of motor disposed	减速机 Reducer ratio									
		121 11×11	187 11×17	289 17×17	385 11×35	473 11×43	595 17×35	731 17×43	989 23×43	1225 35×35	1849 43×43
		输出扭矩N.m Output torque									
XE95	3.0	1981	3062	4732	6305	7220	7990	8820	-	-	-
	4.0	2641	4082	6309	7843	8820	-	-	-	-	-
	5.5	3633	5614	7840	8820	-	-	-	-	-	-
	7.5	4953	7142	8820	-	-	-	-	-	-	-
当输入1400r/min时 When 1400r/min input	输出转数r/min Output revolution	11.5	7.5	4.8	3.6	3	2.3	1.9	1.4	1.1	0.7
当输入960r/min时 When 960r/min input	power of motor disposed	8	5	3.3	2.5	2	1.6	1.3	1.0	0.8	0.5

机型Type	配置电机功率 (KW) Power of motor disposed	减速机 Reducer 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	1225 35×35	1849 43×43
		输出扭矩N.m Output torque									
XE106	4.0	2641	4082	6309	8405	10326	11767	-	-	-	-
	5.5	3633	5614	8677	11560	11767	-	-	-	-	-
	7.5	4953	7656	11767	-	-	-	-	-	-	-
	11	7259	11767	-	-	-	-	-	-	-	-
当输入1400r/min时 When 1400r/min input	输出转数r/min Output revolution	11.5	7.5	4.8	3.6	3	2.3	1.9	1.4	1.1	0.7
当输入960r/min时 When 960r/min input	power of motor disposed	8	5	3.3	2.5	2	1.6	1.3	1.0	0.8	0.5

机型Type	配置电机功率 (KW) Power of motor disposed	减速机 Reducer 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	1225 35×35	1849 43×43
		输出扭矩N.m Output torque									
XE117	4.0	2641	4082	6309	8405	10326	12986	15955	17310	19612	-
	5.5	3633	5614	8677	11560	14195	17856	19612	-	-	-
	7.5	4953	7656	11832	15755	17067	19612	-	-	-	-
	11	7259	11219	17346	19612	-	-	-	-	-	-
	15	9900	15305	19612	-	-	-	-	-	-	-
当输入1400r/min时 When 1400r/min input	输出转数r/min Output revolution	11.5	7.5	4.8	3.6	3	2.3	1.9	1.4	1.1	0.7
当输入960r/min时 When 960r/min input	power of motor disposed	8	5	3.3	2.5	2	1.6	1.3	1.0	0.8	0.5

八.XW(XWD)型卧式单级摆线减速机外型及安装尺寸

Appearance and installation size of XW(XWD) type single-stage cycloid speed reducer horizontal



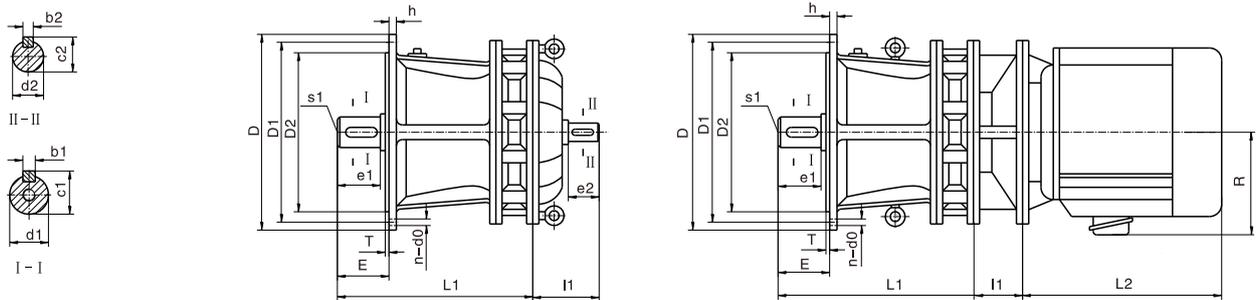
机型 Type	中心高 Central high H0	安装尺寸 Installation size					输出轴 Output shaft					输入轴 Input shaft				外形尺寸 Overall dimensions								重量 (kg) Weight						
		A1	A0	B0	n	d0	d1	b1	c1	e1	s1	d2	b2	c2	e2	l1	A	h	B	H	B1	L1	l2	L2	R	带D	不带D			
X2	100	60	90	180	4	11	25	8	28	35	M8	15	5	17	25	54	120	15	210	175	32	159							14	
X3	140	95	100	250	4	15	35	10	38.5	55	M10	18	6	20.5	35	73	150	20	290	240	55	194							29	
X4	150	95	145	290	4	15	45	14	48.5	73	M10	22	6	24.5	40	80	195	22	330	275	65	240							45	
X5	160	115	150	370	4	15	55	16	59	91	M10	30	8	33	45	92	260	25	410	356	75	310							92	
X6	200	37	275	380	4	22	65	18	69	92	M12	35	10	38.5	55	101	335	30	430	425	64	350							131	
X7	220	35	320	420	4	22	80	22	85	110	M12	40	12	43	65	110	380	30	470	460	73	390							165	
X8	250	35	380	480	4	22	90	25	95	120	M16	45	14	48.5	70	159	440	35	530	529	80	447							245	
X9	290	46	480	560	4	26	100	28	106	140	M20	50	14	53.5	80	171	560	40	620	619	100	552							390	
X10	325	80	500	630	4	30	110	28	116	150	M20	55	16	59	100	201	600	45	690	706	100	612							570	
X11	420	122	660	800	6	32	130	32	137	202	M30	70	20	74.5	160	257	810	50	880	883	140	808							723	

详见第92页  
See page 92

视电机重量决定  
Decided by motor weight

九.XL(XLD)型立式单级摆线减速机外型及安装尺寸

Appearance and installation size of XL(XLD) single-stage cycloid speed reducer vertical



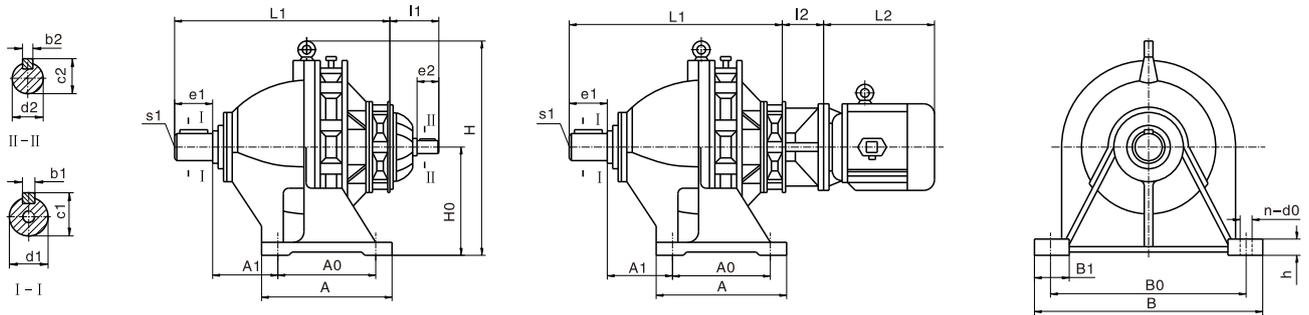
机型 Type	安装尺寸 Installation size						输出轴 Output shaft					输入轴 Input shaft				外形尺寸 Overall dimensions								重量 (kg) Weight					
	D1	D2	E	T	n	d0	d1	b1	c1	e1	s1	d2	b2	c2	e2	l1	D	h	L1	l2	L2	R	带D	不带D					
X2	160	130	42	3	6	9	25	8	28	35	M8	15	5	17	25	53	180	12	159									13	
X3	200	170	52	4	6	11	35	10	38.5	45	M10	18	6	20.5	35	75	230	15	194									26	
X4	230	200	81	4	6	11	45	14	48.5	61	M10	22	6	24.5	40	84	260	15	240									38	
X5	310	270	90	5	6	13	55	16	59	82	M10	30	8	33	45	105	340	20	310									93	
X6	360	316	91	5	8	16	65	18	69	82	M12	35	10	38.5	55	125	400	25	350									138	
X7	390	345	109	5	8	18	80	22	85	108	M12	40	12	43	65	139	430	25	390									160	
X8	450	400	111	5	12	18	90	25	95	110	M16	45	14	48.5	70	155	490	30	447									240	
X9	520	455	169	8	12	22	100	28	106	130	M20	50	14	53.5	80	171	580	35	552									370	
X10	590	520	174	10	12	22	110	28	116	140	M20	55	16	59	100	202	650	40	612									570	
X11	800	680	210	10	12	38	130	32	137	184	M30	70	20	74.5	120	257	880	45	808									723	

详见第92页  
See page 92

视电机重量决定  
Decided by motor weight

十.XWE(XWED)型卧式双级摆线减速机外型及安装尺寸

Appearance and installation size of XWe(XWeD) type double-stage cycloid speed reducer horizontal



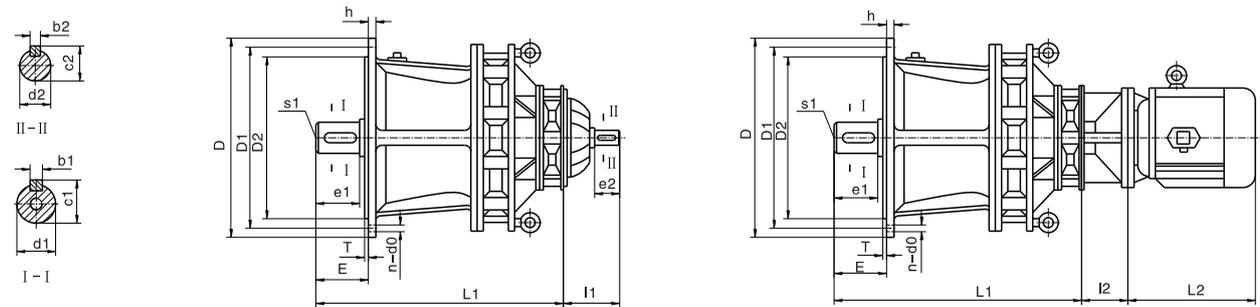
机型 Type	中心高 Central high H <sub>0</sub>	安装尺寸 Installation size					输出轴 Output shaft					输入轴 Input shaft				外形尺寸 Overall dimensions								重量 (kg) Weight				
		A <sub>1</sub>	A <sub>0</sub>	B <sub>0</sub>	n	d <sub>0</sub>	d <sub>1</sub>	b <sub>1</sub>	c <sub>1</sub>	e <sub>1</sub>	s <sub>1</sub>	d <sub>2</sub>	b <sub>2</sub>	c <sub>2</sub>	e <sub>2</sub>	l <sub>1</sub>	A	h	B	H	B <sub>1</sub>	L <sub>1</sub>	l <sub>2</sub>	L <sub>2</sub>	R	带D	不带D	
X32	140	95	100	250	4	15	35	10	38.5	55	M10	15	5	17	25	54	150	20	290	240	55	270						45
X42	150	95	145	290	4	15	45	14	48.5	73	M10	15	5	17	25	54	195	22	330	275	65	323						55
X53	160	115	150	370	4	15	55	16	59	91	M10	18	6	20.5	35	73	260	25	410	356	75	393						95
X63	200	37	275	380	4	22	65	18	69	92	M12	18	6	20.5	35	73	335	30	430	425	75	440						140
X64	200	37	275	380	4	22	65	18	69	92	M12	22	6	24.5	40	80	335	30	430	425	75	464						155
X74	220	35	320	420	4	22	80	22	85	110	M12	22	6	24.5	40	80	380	30	470	460	75	500						170
X84	250	35	380	480	4	22	90	25	95	120	M16	22	6	24.5	40	80	440	35	530	529	80	557						270
X85	250	35	380	480	4	22	90	25	95	120	M16	30	8	33	45	92	440	35	530	529	80	581						340
X95	290	46	180	560	4	26	100	28	106	140	M20	30	8	33	45	92	560	40	620	619	100	684						461
X106	325	80	500	630	4	30	110	28	116	150	M20	35	10	38.5	55	101	600	40	690	706	100	760						633
X117	420	122	660	800	4	32	130	32	137	202	M30	40	12	43	65	110	810	50	880	883	140	978						880

详见第92页  
See page 92

视电机重量决定  
Decided by motor weight

十一.XLE(XLED)型立式双级摆线减速机外型及安装尺寸

Appearance and installation size of XLE(XLED) type double-stage cycloid speed reducer vertical



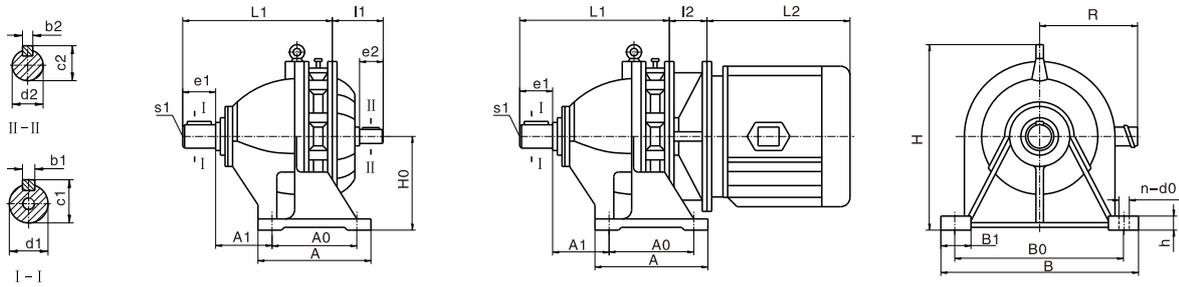
机型 Type	安装尺寸 Installation size					输出轴 Output shaft					输入轴 Input shaft				外形尺寸 Overall dimensions								重量 (kg) Weight			
	D <sub>1</sub>	D <sub>2</sub>	E	T	n	d <sub>0</sub>	d <sub>1</sub>	b <sub>1</sub>	c <sub>1</sub>	e <sub>1</sub>	s <sub>1</sub>	d <sub>2</sub>	b <sub>2</sub>	c <sub>2</sub>	e <sub>2</sub>	l <sub>1</sub>	D	h	L <sub>1</sub>	l <sub>2</sub>	L <sub>2</sub>	R	带D	不带D		
X32	200	170	52	4	6	11	35	10	38.5	45	M10	15	5	17	25	54	230	15	270							45
X42	230	200	81	4	6	11	45	14	48.5	61	M10	15	5	17	25	54	260	15	323							55
X53	310	270	90	5	6	13	55	16	59	82	M10	18	6	20.5	35	73	340	20	398							95
X63	360	316	91	5	6	16	65	18	69	82	M12	18	6	20.5	35	73	400	25	440							140
X64	360	316	91	5	8	16	65	18	69	82	M12	22	6	24.5	40	80	400	25	464							155
X74	390	345	109	5	8	16	80	22	85	108	M12	22	6	24.5	40	80	430	25	500							170
X84	450	400	111	6	12	18	90	25	95	110	M16	22	6	24.5	40	80	490	30	557							270
X85	450	400	111	6	12	18	90	25	95	110	M16	30	8	33	45	92	490	30	581							340
X95	520	455	169	8	12	22	100	28	106	130	M20	30	8	33	45	92	580	35	684							461
X106	590	520	174	10	12	22	110	28	116	140	M20	35	10	38.5	56	101	650	40	760							633
X117	800	680	210	10	12	37	130	32	137	184	M30	40	12	43.5	65	110	880	45	978							880

详见第92页  
See page 92

视电机重量决定  
Decided by motor weight

十二. BW(BWD)型卧式单级摆线减速机外型及安装尺寸

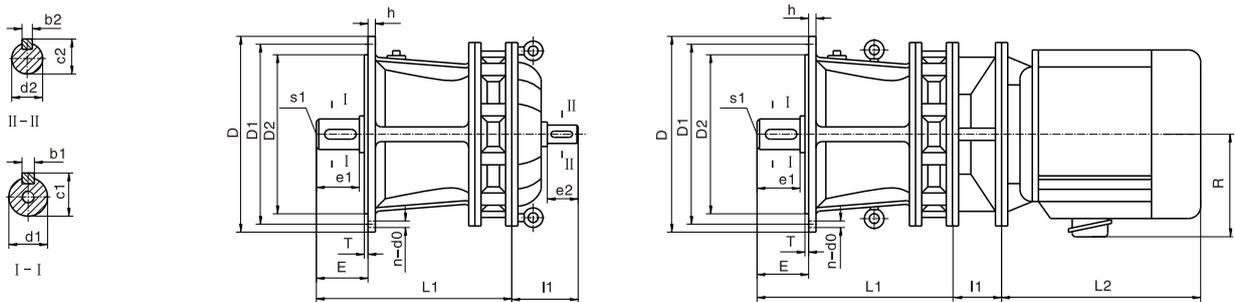
Appearance and installation size of BW(BWD)type single-stage cycloid speed reducer horizontal



机型 Type	中心高 Central high Ho	安装尺寸 Installation size					输出轴 Output shaft					输入轴 Input shaft				外形尺寸 Overall dimensions								重量 (kg) Weight		
		A1	A0	B0	n	d0	d1	b1	c1	e1	s1	d2	b2	c2	e2	l1	A	h	B	H	B1	L1	l2	L2	R	带D
B0	100	63	90	150	4	11	30	8	33	35	M8	15	5	17	25	54	120	15	185	177	32	159	详见第92页 See page 92	视电机重量决定	带D	14
B1	120	68	110	240	4	15	35	10	38.5	55	M10	18	6	20.5	35	70	160	20	280	240	55	194			不带D	29
B2	140	73	150	280	4	15	45	14	48.5	73	M10	22	6	24.5	40	75	200	22	320	275	60	240			45	
B3	160	78	200	340	4	15	55	16	59	91	M10	30	8	33	45	95	250	25	390	355	75	310			92	
B4	200	93	260	380	4	22	70	20	74.5	113	M12	35	10	38.5	55	125	360	30	430	425	80	371			131	
B5	250	53	340	440	4	24	90	25	95	120	M16	45	14	48.5	70	169	440	35	490	513	80	448			245	
B6	290	46	440	500	4	26	100	28	106	140	M20	50	14	54	80	171	520	40	620	619	90	552			390	
B7	325	80	500	630	4	30	110	28	116	150	M20	55	16	59	100	201	600	40	690	701	100	612			570	
B8	420	120	660	800	4	32	130	32	137	202	M30	70	20	74.5	120	257	810	50	880	883	145	808	723			

十三. BL(BLD)型立式单级摆线减速机外型及安装尺寸

Appearance and installation size of BL(BLD)type single-stage cycloid speed reducer Vertical

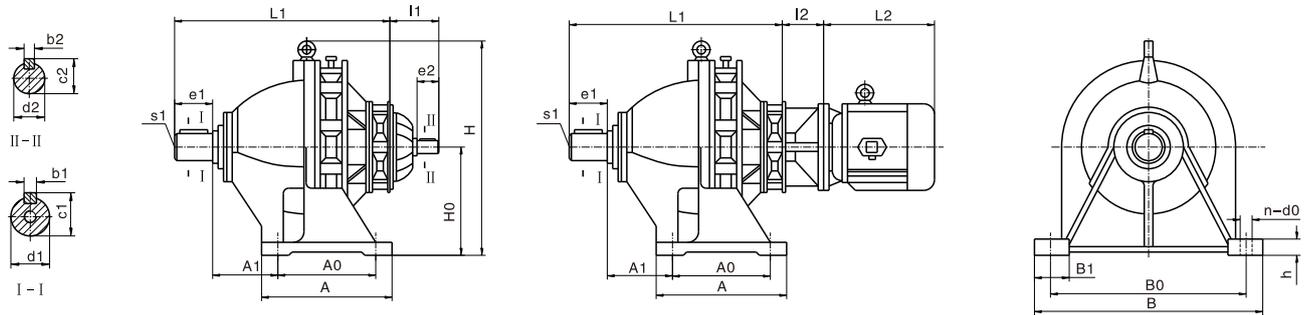


机型 Type	安装尺寸 Installation size					输出轴 Output shaft					输入轴 Input shaft				外形尺寸 Overall dimensions								重量 (kg) Weight	
	D1	D2	E	T	n	d0	d1	b1	c1	e1	s1	d2	b2	c2	e2	l1	D	h	L1	l2	L2	R	带D	不带D
B0	160	140	42	4	4	11	30	8	33	34	M8	15	5	17	25	54	190	11	159	详见第92页 See page 92	视电机重量决定	带D	14	
B1	200	170	52	4	6	11	35	10	38.5	44	M10	18	6	20.5	35	73	230	12	194			不带D	29	
B2	230	200	81	4	6	11	45	14	48.5	61	M10	22	6	24.5	40	80	260	15	240			45		
B3	310	270	90	4	6	13	55	16	59	82	M10	30	8	33	45	105	340	20	310			92		
B4	390	350	113	5	12	13	70	20	74.5	103	M12	35	10	38.5	55	112	430	25	371			131		
B5	450	400	114	5	12	18	90	25	95	110	M16	45	14	48.5	70	155	490	30	448			245		
B6	520	460	169	8	12	24	100	28	106	130	M20	50	14	54	80	171	580	35	552			390		
B7	590	520	174	10	12	28	110	28	116	140	M20	55	16	59	100	201	650	40	612			570		
B8	800	680	210	10	12	35	130	32	137	200	M30	70	20	74.5	120	257	880	45	808	723				

X、B、JXJ SERIES

十四. BWE(BWED)型卧式双级摆线减速机外型及安装尺寸

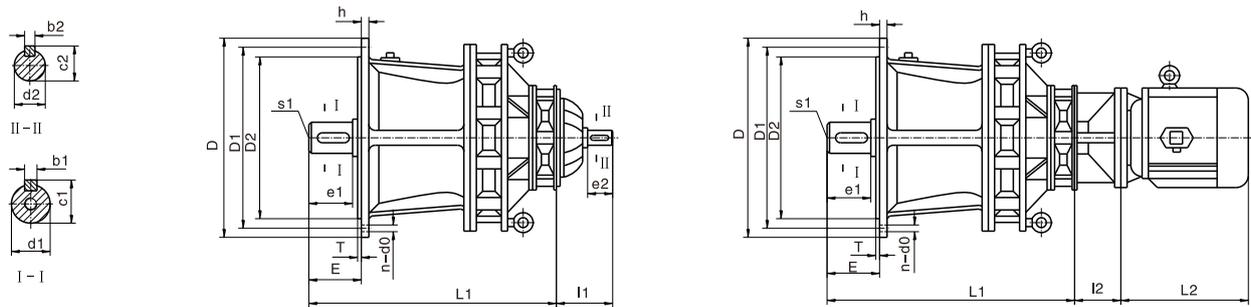
Appearance and installation size of BWE(BWED)type double-stage cycloid speed reducer horizontal



机型 Type	中心高 Central high H <sub>0</sub>	安装尺寸 Installation size					输出轴 Output shaft					输入轴 Input shaft				外形尺寸 Overall dimensions								重量 (kg) Weight		
		A <sub>1</sub>	A <sub>0</sub>	B <sub>0</sub>	n	d <sub>0</sub>	d <sub>1</sub>	b <sub>1</sub>	c <sub>1</sub>	e <sub>1</sub>	s <sub>1</sub>	d <sub>2</sub>	b <sub>2</sub>	c <sub>2</sub>	e <sub>2</sub>	l <sub>1</sub>	A	h	B	H	B <sub>1</sub>	L <sub>1</sub>	l <sub>2</sub>	L <sub>2</sub>	R	带D
B10	120	68	110	240	4	15	35	10	38.5	55	M10	15	5	17	25	54	160	20	280	220	55	270	详见第92页 See page 92	视电机重量决定		45
B20	140	73	150	280	4	15	45	14	48.5	71	M10	15	5	17	25	54	200	22	320	265	65	323				55
B31	160	78	200	340	4	15	55	16	59	91	M10	18	6	20.5	35	70	250	25	390	355	75	398				95
B41	200	93	260	380	4	22	70	20	74.5	113	M12	18	6	20.5	35	70	360	30	430	425	75	462				140
B42	200	93	260	380	4	22	70	20	74.5	113	M12	22	6	24.5	40	75	360	30	430	425	75	485				155
B52	240	53	340	440	4	24	90	25	95	120	M16	22	6	24.5	40	75	400	35	490	519	80	500				270
B53	240	53	340	440	4	24	90	25	95	120	M16	30	8	33	45	95	400	35	490	519	80	557				340
B63	290	46	480	560	4	26	100	28	106	140	M20	30	8	33	45	95	560	40	620	619	100	684				461
B74	325	80	500	630	4	30	110	28	116	150	M20	35	10	38.5	56	125	600	40	690	706	100	760				633
B85	420	122	600	800	4	32	130	32	137	202	M30	45	14	48.5	65	169	810	50	880	883	140	978				880

十五. BLE(BLED)型立式双级摆线减速机外型及安装尺寸

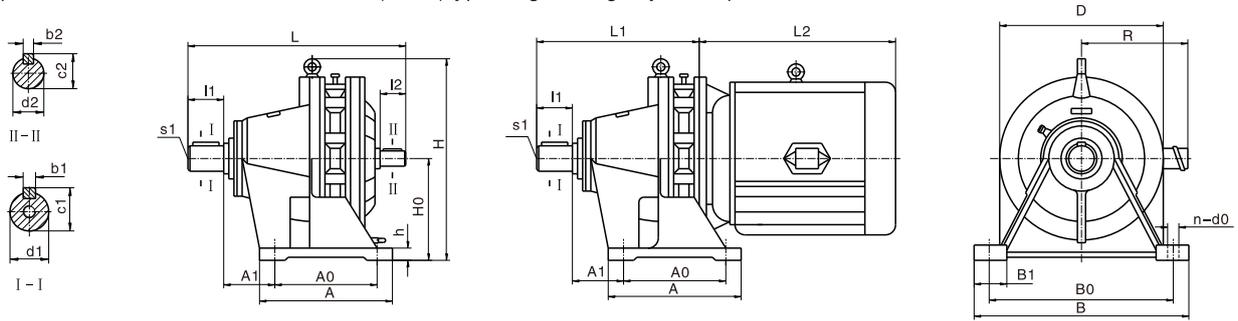
Appearance and installation size of BLE(BLED)type double-stage cycloid speed reducer Vertical



机型 Type	安装尺寸 Installation size					输出轴 Output shaft					输入轴 Input shaft				外形尺寸 Overall dimensions								重量 (kg) Weight	
	D <sub>1</sub>	D <sub>2</sub>	E	T	n	d <sub>0</sub>	d <sub>1</sub>	b <sub>1</sub>	c <sub>1</sub>	e <sub>1</sub>	s <sub>1</sub>	d <sub>2</sub>	b <sub>2</sub>	c <sub>2</sub>	e <sub>2</sub>	l <sub>1</sub>	D	h	L <sub>1</sub>	l <sub>2</sub>	L <sub>2</sub>	R	带D	不带D
B10	200	170	52	4	6	11	35	10	38.5	44	M10	15	5	17	25	54	230	12	270	详见第92页 See page 92	视电机重量决定		45	
B20	230	200	81	4	6	11	45	14	48.5	61	M10	15	5	17	25	54	260	15	323				55	
B31	310	270	90	4	6	13	55	16	59	82	M10	18	6	20.5	35	73	340	20	398				95	
B41	390	350	113	5	12	13	70	20	74.5	103	M12	18	6	20.5	35	73	430	25	462				140	
B42	390	350	113	5	12	13	70	20	74.5	103	M12	22	6	24.5	40	80	430	25	485				155	
B52	450	400	114	5	12	18	90	25	95	110	M16	22	6	24.5	40	80	490	30	500				270	
B53	450	400	114	5	12	18	90	25	95	110	M16	30	8	33	45	105	490	30	557				339	
B63	520	460	169	8	12	22	100	28	106	130	M20	30	8	33	45	105	580	35	684				461	
B74	590	520	174	10	12	22	110	28	116	140	M20	35	10	38.5	56	125	650	40	760				633	
B85	800	680	210	10	12	37	130	32	137	200	M30	45	14	48.5	65	155	880	45	978				880	

十六.BW(BWD)型卧式单级摆线减速机外型及安装尺寸

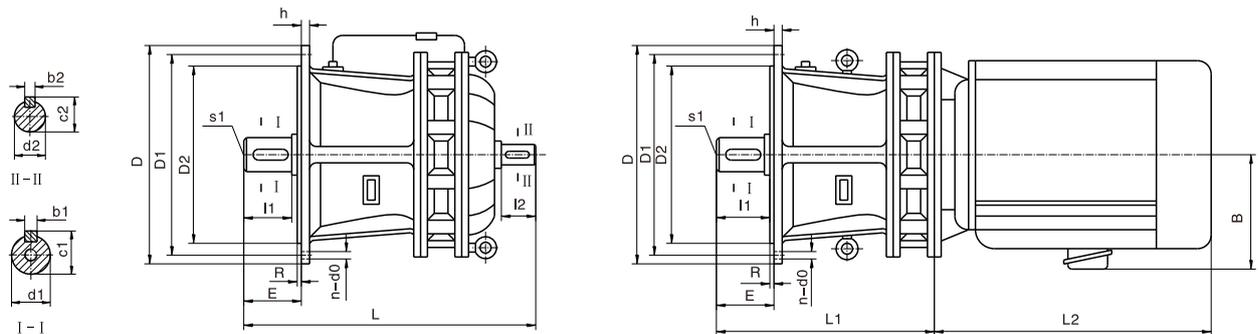
Appearance and installation size of BW(BWD)type single-stage cycloid speed reducer horizontal



机型 Type	中心 高H0 Central high	安装尺寸 Installation size							轴伸联接尺寸 Shaft dimensions								外形尺寸 Appearance size							
		A <sub>1</sub>	A <sub>0</sub>	B <sub>1</sub>	B <sub>0</sub>	h	地脚螺钉 Fixing bolt		输出轴 Output shaft				输入轴 Input shaft				H	B	D	A	双轴型 Dual-haft		直联型 Direct-coupled	
							n	d <sub>0</sub>	d <sub>1</sub>	b <sub>1</sub>	c <sub>1</sub>	l <sub>1</sub>	s <sub>1</sub>	d <sub>2</sub>	b <sub>2</sub>	c <sub>1</sub>					l <sub>2</sub>	L	L <sub>1</sub>	L <sub>2</sub>
B15	140-0.5	95js15	100	55	250	20	4	13	35k6	10	38.5	55	M10	18js6	6	20.5	35	284	290	215	150	282	194	详见第92页 See page 92
B18	150-0.5	95js15	145	60	290	22	4	15	45k6	14	48.5	72	M10	22js6	6	24.5	40	318	330	245	195	352	240	
B22	160-0.5	113js15	150	75	370	25	4	17	55m6	16	59	91	M10	30j6	8	33	45	360	410	300	238	422	310	
B27	200-0.5	35js15	275	80	380	30	4	21	70m6	20	74.5	103	M12	35k6	10	38	54	435	430	360	335	490	371	
B33	250-0.5	35js15	380	85	480	35	4	26	90m6	25	95	120	M16	45k6	14	48.5	70	542	530	435	440	629	464	
B39	290-0.5	45js15	480	90	560	40	4	26	100m6	28	106	141	M20	50k6	14	53.5	80	619	620	510	560	736	556	
B45	325-0.5	80js15	500	105	630	45	4	34	110m6	28	116	150	M20	55m6	16	59	100	706	690	580	600	783	594	
B55	420-1.0	122js15	330	140	800	50	6	36	130m6	32	137	200	M30	70m6	20	74.5	105	880	880	705	810	966	733	

十七.BL(BLD)型立式单级摆线减速机外型及安装尺寸

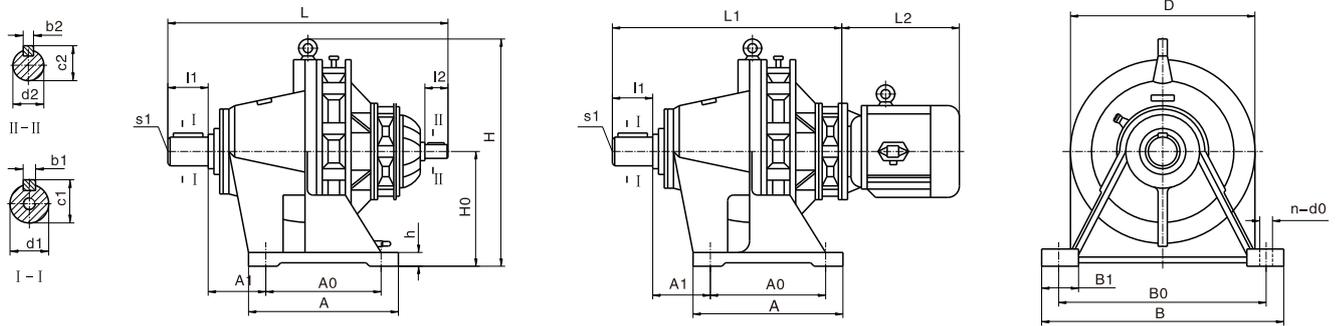
Appearance and installation size of BL(BLD)type single-stage cycloid speed reducer Vertical



机型 Type	安装尺寸 Installation size							轴伸联接尺寸 Shaft dimensions								外形尺寸 Appearance size				
	D <sub>1</sub>	D <sub>2</sub>	E	h	R	地脚螺钉 Fixing bolt		输出轴 Output shaft				输入轴 Input shaft				D	双轴型 Dual-haft		直联型 Direct-coupled	
						n	d <sub>0</sub>	d <sub>1</sub>	b <sub>1</sub>	c <sub>1</sub>	l <sub>1</sub>	s <sub>1</sub>	d <sub>2</sub>	b <sub>2</sub>	c <sub>1</sub>		l <sub>2</sub>	L	L <sub>1</sub>	L <sub>2</sub>
B15	200	170h9	52	16	4	6	14	35k6	10	38	58	M10	18js6	6	20.5	35	230	282	194	详见第92页 See page 92
B18	230	200h9	81	20	4	6	14	45k6	14	48.5	82	M10	22js6	6	24.5	40	260	352	240	
B22	310	270h9	103	22	4	6	14	55m6	16	59	82	M10	30js6	8	33	45	340	422	310	
B27	360	316h9	91	26	5	8	18	70m6	20	74.5	93	M12	35k6	10	38	56	400	490	371	
B33	450	400h9	111	30	6	12	20	90m6	25	95	130	M16	45k6	14	48.5	70	490	629	464	
B39	520	455h9	169	35	8	12	20	100m6	28	106	165	M20	50k6	14	53.5	80	580	736	556	
B45	590	520h9	174	40	10	12	28	110m6	28	116	165	M20	55m6	16	59	100	650	783	594	
B55	800	680h9	210	45	10	12	34	130m6	32	137	200	M30	70m6	20	74.5	110	880	966	733	

十八. BWE(BWED)型卧式双级摆线减速机外型及安装尺寸

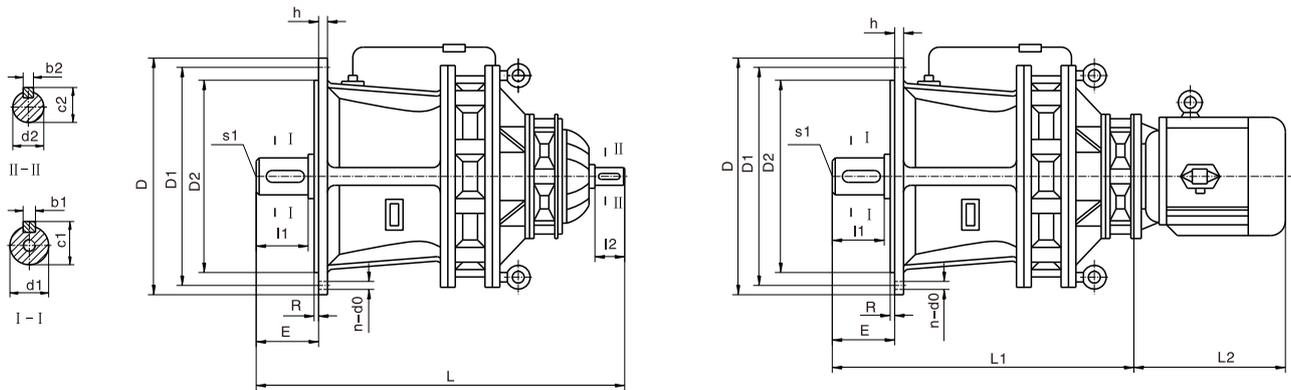
Appearance and installation size of BWE(BWED)type double-stage cycloid speed reducer horizontal



机型 Type	中心 高H0 Central high	安装尺寸 Installation size						轴伸联接尺寸 Shaft dimensions										外形尺寸 Appearance size								
		A <sub>1</sub>	A <sub>0</sub>	B <sub>1</sub>	B <sub>0</sub>	h	地脚螺钉 Fixing bolt		输出轴 Output shaft					输入轴 Input shaft					H	B	D	A	双轴型 Dual-shaft		直联型 Direct-coupled	
							n	d <sub>0</sub>	d <sub>1</sub>	b <sub>1</sub>	c <sub>1</sub>	l <sub>1</sub>	s <sub>1</sub>	d <sub>2</sub>	b <sub>2</sub>	c <sub>1</sub>	l <sub>2</sub>	L					L <sub>1</sub>	L <sub>2</sub>	R	
B2215	160-0.5	113js15	150	75	370	25	4	16	55m6	16	59	91	M10	18js6	6	20.5	35	360	410	300	238	473	407	详见第92页 See page 92		
B2715	200-0.5	35js15	275	80	380	30	4	20	70m6	20	74.5	103	M12	18js6	6	20.5	35	435	430	360	335	540	474			
B3322	250-0.5	35js15	380	85	480	35	4	26	90m6	25	95	120	M16	30js6	8	33	45	512	530	435	440	706	601			
B3922	290-0.5	45js15	480	90	560	40	4	26	100m6	28	106	141	M20	30js6	8	33	45	619	620	510	560	796	691			
B4527	325-0.5	80js15	500	105	630	45	4	34	110m6	28	116	150	M20	35k6	10	38	56	706	690	580	600	856	749			
B5527	420-0.5	122js15	330	140	800	50	6	36	130m6	32	137	200	M30	35k6	10	38	56	880	880	705	810	998	891			

十九. BLE(BLED)型立式双级摆线减速机外型及安装尺寸

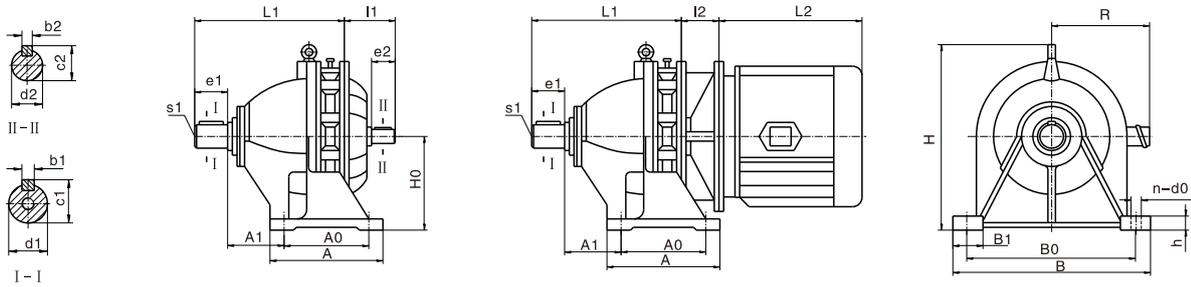
Appearance and installation size of BLE(BLED)type double-stage cycloid speed reducer horizontal



机型 Type	安装尺寸 Installation size					轴伸联接尺寸 Shaft dimensions										外形尺寸 Appearance size						
	D <sub>1</sub>	D <sub>2</sub>	E	h	R	地脚螺钉 Fixing bolt		输出轴 Output shaft					输入轴 Input shaft					D	双轴型 Dual-shaft		直联型 Direct-coupled	
						n	d <sub>0</sub>	d <sub>1</sub>	b <sub>1</sub>	c <sub>1</sub>	l <sub>1</sub>	s <sub>1</sub>	d <sub>2</sub>	b <sub>2</sub>	c <sub>1</sub>	l <sub>2</sub>	L		L <sub>1</sub>	L <sub>2</sub>	R	
B2215	310	270h9	103	22	4	6	14	55m6	16	59	82	M10	18k6	6	20.5	35	340	473	407	详见第92页 See page 92		
B2715	360	316h9	91	26	5	8	18	70m6	20	74.5	93	M12	18k6	6	20.5	40	400	540	474			
B3322	450	400h9	110	30	6	12	22	90m6	25	95	130	M16	30k6	8	33	45	495	706	601			
B3922	520	455h9	169	35	8	12	22	100m6	28	106	165	M20	30k6	8	33	45	580	796	691			
B4527	590	520h6	174	40	10	12	28	110m6	28	116	165	M20	35k6	10	38	56	650	856	749			
B5527	800	680h9	210	45	10	12	34	130m6	32	137	200	M30	35k6	10	38	56	880	998	891			

二十、XJ、JXJ型卧式单级摆线减速机外形及安装尺寸

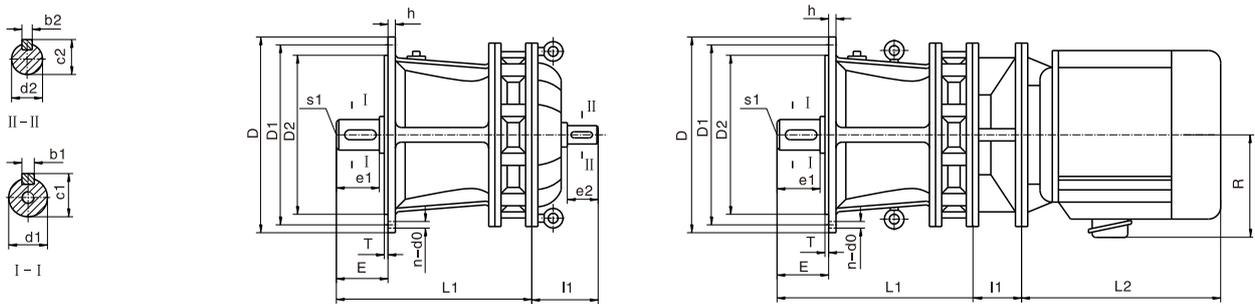
Appearance and installation size of XJ、JXJ type single-stage cycloid speed reducer horizontal



机型 Type	中心高 Central high H <sub>0</sub>	安装尺寸 Installation size					输出轴 Output shaft					输入轴 Input shaft				外形尺寸 Overall dimensions								重量 (kg) Weight		
		A <sub>1</sub>	A <sub>0</sub>	B <sub>0</sub>	n	d <sub>0</sub>	d <sub>1</sub>	b <sub>1</sub>	c <sub>1</sub>	e <sub>1</sub>	s <sub>1</sub>	d <sub>2</sub>	b <sub>2</sub>	c <sub>2</sub>	e <sub>2</sub>	l <sub>1</sub>	A	h	B	H	B <sub>1</sub>	L <sub>1</sub>	l <sub>2</sub>	L <sub>2</sub>	R	带D
JXJ0	100	45	90	180	4	11	25	8	28	34	M8	15	5	17	25	54	120	15	210	175	32	159	详见第92页 See page 92	视电机重量决定	带D	14
JXJ1	140	55	100	250	4	16	35	10	38.5	58	M10	18	6	20.5	35	73	150	20	290	284	55	192			不带D	29
JXJ2	140	60	180	285	4	16	50	16	53.5	70	M10	22	6	24.5	40	80	230	25	335	310	65	236			带D	46
JXJ3	160	60	220	350	4	18	65	18	70	110	M12	30	8	33	45	105	280	25	410	355	75	330			不带D	93
JXJ4	190	72	270	400	4	25	80	24	85	130	M14	35	10	38.5	54	125	350	35	460	430	75	400			带D	135
JXJ5	250	85	380	480	4	25	90	25	95	130	M16	45	14	48.5	70	169	440	35	530	540	80	447			不带D	245
JXJ6	290	90	480	560	4	28	100	28	106	165	M20	50	14	53	80	171	560	40	620	614	100	552			带D	390

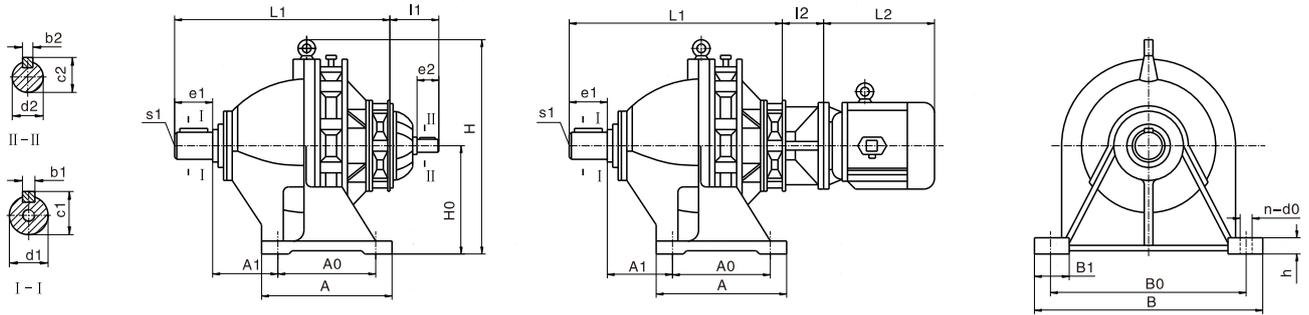
二十一、XJL、JXJL型立式单级摆线减速机外型及安装尺寸

Appearance and installation size of XJL、JXJL type single-stage cycloid speed reducer vertical



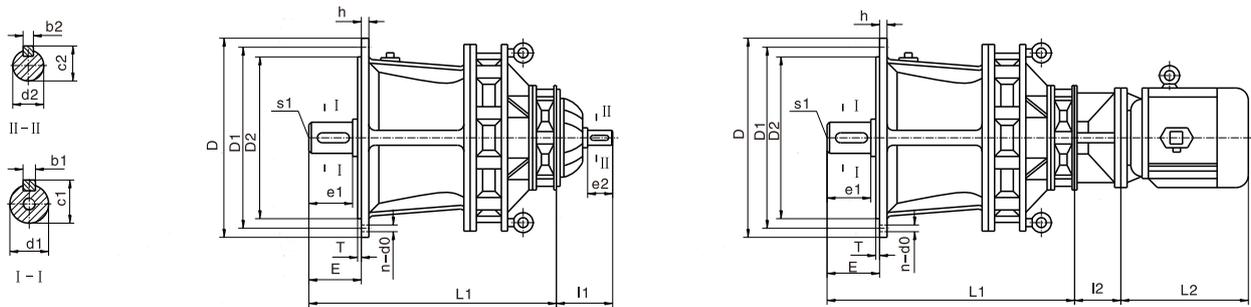
机型 Type	安装尺寸 Installation size					输出轴 Output shaft					输入轴 Input shaft				外形尺寸 Overall dimensions								重量 (kg) Weight	
	D <sub>1</sub>	D <sub>2</sub>	E	T	n	d <sub>0</sub>	d <sub>1</sub>	b <sub>1</sub>	c <sub>1</sub>	e <sub>1</sub>	s <sub>1</sub>	d <sub>2</sub>	b <sub>2</sub>	c <sub>2</sub>	e <sub>2</sub>	l <sub>1</sub>	D	h	L <sub>1</sub>	l <sub>2</sub>	L <sub>2</sub>	R	带D	不带D
JXJ(L)0	160	130	40	3	6	9	25	8	28	34	M8	15	5	17	25	53	180	12	155	详见第92页 See page 92	视电机重量决定	带D	13	
JXJ(L)1	200	170	65	4	6	11	35	10	38.5	57	M10	18	6	20.5	35	75	230	15	198			不带D	26	
JXJ(L)2	230	200	66	4	6	11	50	16	53.5	68	M10	22	6	24.5	40	84	260	18	251			带D	38	
JXJ(L)3	310	270	89	4	6	14	65	18	69	82	M10	30	8	33	45	105	340	22	332			不带D	95	
JXJ(L)4	360	316	125	5	8	20	80	24	85	115	M12	35	10	38.5	54	125	400	22	394			带D	142	
JXJ(L)5	450	400	140	6	12	20	90	25	95	130	M16	45	14	48.5	70	155	495	30	462			不带D	240	
JXJ(L)6	520	455	177	8	12	22	100	28	106	165	M20	50	14	53	80	171	580	35	554			带D	370	

二十二、XJE、JXJE型卧式双级摆线减速机外型及安装尺寸  
Appearance and installation size of XJE、JXJE type single-stage cycloid speed reducer horizontal



机型 Type	中心高 Central high Ho	安装尺寸 Installation size					输出轴 Output shaft					输入轴 Input shaft				外形尺寸 Overall dimensions								重量 (kg) Weight	
		A1	A0	B0	n	d0	d1	b1	c1	e1	s1	d2	b2	c2	e2	l1	A	h	B	H	B1	L1	l2	L2	R
JXJE10	140	55	100	250	4	16	35	10	38.5	58	M10	15	5	17	25	54	150	20	290	284	55	270	详见第92页 See page 92	视电机重量决定 Decided by motor weight	45
JXJE20	140	60	180	285	4	16	50	16	53.5	70	M10	15	5	17	25	54	230	25	335	310	65	323			55
JXJE31	160	60	220	350	4	18	65	18	69	110	M12	18	6	20.5	35	73	280	25	410	355	75	447			95
JXJE41	190	72	270	400	4	25	80	24	85	130	M14	18	6	20.5	35	73	350	35	460	430	75	498			140
JXJE42	190	72	270	400	4	25	80	24	85	130	M14	22	6	24.5	40	80	350	35	460	430	75	515			155
JXJE52	250	85	380	480	4	25	90	25	95	130	M16	22	6	24.5	40	80	440	35	530	540	80	584			270
JXJE53	250	85	380	480	4	25	90	25	95	130	M16	30	8	33	45	105	440	35	530	540	80	600			339
JXJE63	290	90	480	560	4	28	100	28	106	165	M20	30	8	33	45	105	560	40	620	614	100	667			461

二十三、XJLE、JXJLE型立式双级摆线减速机外形及安装尺寸  
Appearance and installation size of XJLE、JXJLE type single-stage cycloid speed reducer vertical



机型 Type	安装尺寸 Installation size						输出轴 Output shaft					输入轴 Input shaft				外形尺寸 Overall dimensions						重量 (kg) Weight	
	D1	D2	E	T	n	d0	d1	b1	c1	e1	s1	d2	b2	c2	e2	l1	D	h	L1	l2	L2	R	带D
JXJE(L)10	200	170	52	4	6	11	35	10	38	57	M10	15	5	17	25	53	230	15	270	详见第92页 See page 92	视电机重量决定 Decided by motor weight	45	
JXJE(L)20	230	200	66	4	6	11	50	16	53.5	68	M10	15	5	17	25	53	260	18	318			56	
JXJE(L)31	310	270	89	4	6	14	65	18	70.5	82	M10	18	6	20.5	35	75	340	25	418			97	
JXJE(L)41	360	316	125	5	8	20	80	24	87	115	M12	18	6	20.5	35	75	400	25	477			145	
JXJE(L)42	360	316	125	5	8	20	80	24	87	115	M12	22	6	24.5	40	84	400	25	505			160	
JXJE(L)52	450	400	140	6	12	20	90	25	95	130	M16	22	6	24.5	40	84	490	30	560			270	
JXJE(L)53	450	400	140	6	12	20	90	25	95	130	M16	30	8	33	45	105	490	30	582			340	
JXJE(L)63	520	455	177	8	12	22	100	28	106	165	M20	30	8	33	45	105	580	35	684			461	

二十四、选用说明Procurement guide:

- 1、由于本机为定转矩设计，故选型时请选用实际转矩应小于本机额定转矩，最大瞬时负荷或起动负荷应小于本机额定负荷的160%。
- 2、如果输入轴转速是变化的应根据使用条件，如果要求功率一定，则按最低转速所需功率选取；如要求扭矩一定，则按高速时所需的功率选取。
- 3、另外应考虑工作情况系数和功率损失，则应对工作扭矩（或功率）乘以工况系数K。
- 4、在可能出现过载现象的场合，应安装过载保护装置。以防减速机及其所配的各种原动力因传递大而导致损坏。

- 1.It is designed based on a constant torque,therefore,during type selection,actual working torque shall be less than the rated torque, and maximum instantaneous load or start load shall be less than 160% of the rated load.
- 2.If input spindle rotation speed is variable, it shall be in accordance with actual working conditions, if required power is constant, then the power shall satisfy the requirements of the lowest speed; if required torque is constant, then the power shall satisfy the requirements of the highest speed.
- 3.In addition, consider working coefficients and power loss, therefore, the working torque(or power)shall be multiplied by working coefficient K.
- 4.In conditions when overload is likely to occur, overload protection devices shall be installed, to avoid damages caused by the great transferred force from speed reducers and attached various power sources.

二十五、工况系数表Working coefficient table

动力源种类 Power source type	工作条件 Working conditions	负荷性质Load nature		
		稳定 ( I ) Stable ( I )	中等冲击(II) Medium impact(II)	较大冲击或惯性冲击 ( III ) Strong impact or inertia impact ( III )
电动机 Motor	间断工作3小时/日 Of starts per hour 3	0.8	0.8	1.4
	8-10小时/日 8-10hours/day	1.0	1.0	1.5
	连续工作24小时/日 Continuous 24 hours/day work	1.2	1.2	1.6

二十六、减速机用途和载荷性质分类参数表  
Table of purposes and load natures of speed reducer

用途Purposes		载荷分类	用途Purposes		载荷分类
搅拌器 Agitators	纯液体Pure liquid	I	*塑料挤出机 Plastic extruding machine	薄膜Diaphragm	I
	液体和固体Liquid and solid	II		棒材Rods	
	液体（密度可变）Liquid（variable density）			管材Pipes	
鼓风机 Blower	离心式Centrifugal type	I	吹塑机Plastic blowing machine	II	
	叶片式Blade type	II	卷扬机（绞车） Winding machine (winding engine)	重型的Heavy-duty	III
	叶轮式Blade type		中型的Medium-duty	II	
压气机 压缩机 Air compressor Compressor	离心式Centrifugal type	I	辋道rolling path		III
	叶轮式Impeller type	II	碎皮机（矿石）Cracking machine ( ores )		
	往复式(多缸)Reciprocating type (multi-cylinder)		锤式粉碎机 Hammer type pulverizing machine		
	往复式(单缸)Reciprocating type (single-cylinder)	III	混凝土搅拌机Concrete blending machine		
运输机 ( 载荷稳定 ) Conveyer ( Stable load )	板式 Plate type	I	石油工业	石胶压滤机Colloid pressure filtering machine	II
	皮带式 Strap type			结晶品、冷冻器Crystal products, condenser	
	斗式Hopper type		橡胶与塑料工业	*破机*Pulverizing machine	III
	链式 Chain type			*混炼机*Mixing refinery machine	
	螺旋式 Screw type			*精炼机*Refinery machine	
运输机（重载荷非 均匀送料） Conveyer ( Heavy load, non-uniform material feeding )	板式 Cordially	II	纺织工业	橡胶压延机Rubber pressing machine	II
	皮带式 Strap type			织布机 Weaving machine	
	斗式Hopper type			梳棉（毛麻）机 Carding machine	
	链式 Chain type			轧布机 Mangling machine	
	往复式Reciprocating type			纺纱机 Spinning machine	
	螺旋式 Screw type			洗涤机 Washing machine	
振动式Vibration type	III				

X、B、JXJ SERIES

## 二十七、选择方式示例 Examples of selection

有搅拌机一台，只知道装入液体和固体材料混合搅拌，24小时工作，搅拌机转速32r/min，功率11kw，试问该如何选择减速机型号和电动机？

1.查载荷分类表知为II类

2.查工况系数表为1.35

即 $11 \times 1.35=14.85$ ，即确定功率为15kw，电动机（4）级，转速32r/min，减速比为 $1400/32=43.75$ ，即确定为减速比为43。

计算减速机应能承受的扭矩（N.m）=输入功率 $\times$ 9550/输出转速r/min $\times$ 效率 $\times$ 使用系数，

即 $15 \times 9550/32 \times 0.90 \times 1.35=5499.45$ （N.m），即取5499（N.m）

根据型号规格选型参数表查取

i: 43, 5499(N.m) 即X9# 15kw, 5772(N.m)满足要求

则型号规格为XLD15-9-43, 即为X9#立式摆线减速机，电机直连安装，功率15kw(4级)，速比43。

A blender, only that liquid and solid materials are input for blending is known, works continuously for 24 hours, rotation speed is 32r/min, power is 11kw, how to select the type of speed reducer and motor?

1. II type after checking load type table.

2. 1.35 after checking working coefficient table.

$11 \times 1.35=14.85$ , so power is 15kw, motor is of 4 stages, rotation speed is 32r/min, speed reduction ratio is  $31/1400=43.75$ , therefore, speed reduction ratio is 43.

To calculate maximum torque allowed on speed reducer (N.m)= Input power 9550/output rotation speed r/min efficiency coefficient, that is  $15 \times 9550/32 \times 0.90 \times 1.35=5499.45$ , taken as 5499(N.m).

According to table of types and parameters, take i:43, 5499(N.m), that is X9# 15kw, 5772(N.m), as per requirements.

Then type shall be XLD 15-9-43, that is X9# vertical cycloid speed reducer, with motor directly coupled, power is 15kw (4 stages), speed reduction ratio is 43.

## 二十八、安装使用 Installation and usage

1.本机可用于24小时连续工作制并允许正反转。

2.单级减速机的输出轴与输入轴的转向相反，输出轴无自锁作用，在可能出现“倒转动”的情况下，应严格限制低速轴的转速及转矩，以免发生机件损坏。

3.在输出轴与输入轴和其他零件连接时，不允许采用直接锤击的方法。当使用三角皮带轮传动时，三角带不宜涨得太紧，以免损坏轴承；当使用链轮传动时，链条不能放得太松，否则启动时产生冲击力。

4.输出轴与输入轴轴伸的平键按普通平键型式尺寸（GB1096-79）规定选用，轴径尺寸公差为h6。

5.甲板式减速机要安装在没有振动，并且轴心线处于水平位置时。在必须倾斜使用时，轴心线的仰角不应超过15度。

6.法兰式减速机安装时，输出轴必须垂直向下。

7.除甲板式与法兰式以外的其他安装形式必须采取相应的润滑，另外还要考虑工作的温度范围，具体情况请与我厂联系。

8.在冲击载荷较大，启动频繁工作时，机座与基础应自配定位销钉或选有液力联轴器安装。

1.The machine is available for continuous 24-hour work in a day; forward/reversed rotation is allowed.

2.To single-stage speed reducer, rotation direction of output spindle and rotation direction of input spindle shall be contrary, and no self-locking function on output spindle. In conditions when reversed rotation is likely to occur, please strictly limit rotation speed and torque of low-speed spindle, in order to avoid damages on parts.

3.When coupling output spindle or input spindle, with other parts, hammering is not allowed. When triangle strap is used in transmission, the triangle strap shall not be too tightened, in order to avoid damages on bearing; when chain wheel is used in transmission, the chain wheel shall not be loosened extraordinary, otherwise, the impacting will be caused during start.

4.Sizes of flat keys on output spindle or input spindle shall be in accordance with standard (GB1096-79) for common flat keys, and axial size tolerance is h6.

5.Plate type speed reducers shall be installed in an area without vibration and its axes shall be horizontal. When users have to use it in an inclined manner, the angle between axes and horizon shall not be more than 15 degrees.

6.Output spindles shall downward vertically when flanged speed reducers are installed.

7.Except plate type and flange type installation patterns, to all other installation patterns, lubrication is needed, and working temperature range also shall be considered, please contact with our company for details.

8.Locating pins, hydraulic shaft couplers are necessary for bases and foundations, when impacting load in great and starting is quite frequent

## 二十九、润滑 Lubrication

1.润滑方式 Lubrication method:

		单级 Single-stage		双级 Double-stage		说明：（1）油脂润滑时请采用二硫化钼1#或2L-2#锂基润滑油脂等。 （2）在常温下选用40#或50#机械油也可以选用更好的70#或90#极压工业齿轮油 (1) Lubricating grease shall be molybdenum bisulfide 1# or 2L-2# Lithium base lubricating grease, etc (2) In normal temperature, 40# or 50# machine oil are available, and 70# or 90# industrial gear oil is better.
		$\times 2$	$\times (3-11)$	$\times 32-\times 42$	$\times 53-\times 117$	
卧式 Horizontal	油脂 Gresae	油浴式 Oil bath type	油脂 Grease	油浴式 Oil bath type		
	$\times 2-\times 4$	$\times (5-11)$	$\times 32-\times 42$	$\times 53-\times 117$		
立式 Vertical	油脂 Grease	油液循环	油脂 Grease	油泵循环		

- 2.本机在使用前必须注入润滑油，因为在出厂时为了便于装卸与运输一般不加润滑油，如是采用油脂润滑的出厂前已加好。
- 3.油泵循环润滑方式，要注意开机前先启动油泵电机。视油泵是否供油。否则应将油泵电机接线互换，由于油泵是按指定方向运转的，还有油泵的过滤器要注意清洗以防堵塞。
- 4.换油制度：第一次加油运转一个月交换机油，并将内部油污冲净。以后可每隔3-6个月交换一次。如工作环境恶劣，尽可能缩短换油时间。如长期没有使用的减速机重新开机，必须先更换润滑油。
- 5.卧式减速机油面高度尺寸如下：

- 2.Before starting, lubricating oil shall be added , for conveniences in loading and transportation during delivery, generally, lubricating oil is not added ,if lubricating grease is used, it will be added before delivery.
- 3.Oil pump cycling lubrication, start oil pump motor firstly before starting. Check whether oil pump supplies oil, if not, switch phases of oil pump motor, For the oil pump rotates in a specific direction, filter of oil pump shall be clean to avoid jamming.
- 4.Oil replacement rule: when oil is added for the first time, keep working for one month, and replace oil to clear off all oil dirt inside. From then, replace oil every 3-6 months. If the working conditions are extremely unfavorable, reduce oil replacement period as much as possible. Replace lubricating oil when restart a speed reduced having not been used for a long time.
- 5.Oil level of horizontal speed reducer: oil level.

机型号 Type	× 5	× 6		× 7	× 8		× 9	× 10	× 11
	× 53	× 63	× 64	× 74	× 84	× 85	× 95	× 106	× 117
油面高度 Oil high	150	190	190	210	240	240	275	315	410

### 三十、维护保养 Maintenance

#### 一 拆卸 Disassembly

- 1.拆卸前要先放净润滑油，立式减速机须先拆除油泵。拆装顺序见图。
- 2.拆卸时首先松开联接螺栓，分解3、17，然后依次分解11、12、9、10、13等零件。  
装配时则顺序相反。
- 3.对直联型进行分解时，严格按照要求顺序进行，切禁先从电动机法兰处分解。

- 1.Drain lubricating oil completely before disassembly, to vertical speed reducers, disassemble oil pumps. Disassembly sequence is shown in the diagram.
- 2.Before disassembly, firstly loosen coupling bolts, then disassemble part 3, 17, then part 11, 12, 9, 10, 13 etc, in sequence. Assembly is in the reversed sequence.
- 3.Disassembly of directly coupled speed reducers shall be strictly in accordance with required sequence, and it is forbidden to start disassembling from the flange area firstly.

#### 二 装配 Assembly

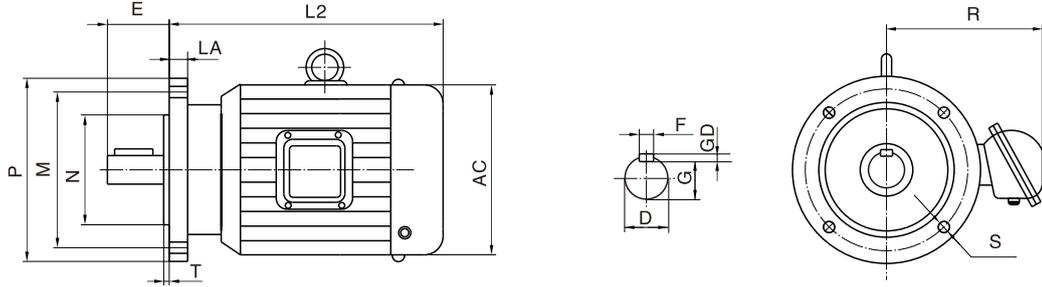
装配时请注意一下各项： During assembly, please pay attention to following：

- 1.装配前将全部零件清洗干净；
- 2.对滚动及滑动表面涂润滑油，以形成初步润滑条件；
- 3.两片摆线轮的标记、字头必须180度对称，并字头向上；
- 4.注意调整橡胶油封中弹簧的松紧，并涂抹油脂；
- 5.装配结束后装入润滑油或润滑脂，卧式油位达到高度，立式油位达到油标中线
- 6.用手转动高速轴，经检查无故障即可开车运转。对立式减速机应检查油泵工作情况是否良好，若均正常方可使用。

- 1.Clean all parts completely before assembly
- 2.Smear lubricating oil onto rolling and sliding surfaces for primary lubrication;
- 3.Two C marks on cycloid wheel ,with head 180 degrees in symmetry and upright;
- 4.Adjust tightness of spring in rubber oil seal , and smear grease
- 5.After assembly, add lubricating oil or lubricating grease, to horizontal types, oil level shall reach the specific height, to vertical types, oil level shall in the middle of oil level scale
- 6.Rotate high-speed spindle by hands, check, when everything is all right , users can start commissioning without load. To vertical speed reducers, please check whether oil pump works normally, and start to use when everything is all right .

三十一、B5电机安装尺寸及联接法兰“L2”尺寸表  
Table of B5 motor installation and coupling flange L2 sizes

1. B5电机安装尺寸 B5 motor installation dimension



机座号 Norm	级数 Pole	尺寸 (mm) Size												
		D	E	F×GD	G	M	N	P	S	T	AC	R	LA	L2
63	4.6	11	23	4×4	9	115	95	140	4×φ10	3	130	70	12	204
71	4.6	14	30	5×5	11	130	110	160	4×φ10	3.5	145	110	13	225
80	4.6	19	40	6×6	15.5	165	130	200	4×φ12	3.5	170	150	13	255
90S	4.6	24	50	8×7	20	165	130	200	4×φ12	3.5	180	155	13	270
90L														295
100L	4.6	28	60	8×7	24	215	180	250	4×φ15	4	210	180	14	325
112M	4.6	28	60	8×7	24	215	180	250	4×φ15	4	230	190	14	340
132S	4.6	38	80	10×8	33	265	230	300	4×φ15	4	270	210	15	390
132M														430
160M	4.6	42	110	12×8	37	300	250	350	4×φ19	5	330	255	16	505
160L														560
180M	4.6	48	110	14×9	42.5	300	250	350	4×φ19	5	380	285	18	590
180L														630
200L1	4.6	55	110	16×10	49	350	300	400	4×φ19	5	420	315	20	660
225S	4.6	60	140	18×11	53	400	350	450	8×φ19	5	475	345	20	675
225M														705
250M	4.6	65	140	18×11	58	500	450	550	8×φ19	5	515	385	22	770

注：如配防爆电机L2要增加10% note:L2 shall be increased by 10% when explosion-proof motor is attached

2. 联接法兰L2尺寸表 Table of coupling flange L2 sizes

机型 Type	可配联接, 法兰型号 Couplings available Flange type	L2
X2	90	74
	80	
	71	
X3	100	102
	90	85
	80	
X4	100	102
	90	96
	80	96
X5	132	125
	100	100
	90	92
X6	160	167
	132	120
	100	105

机型 Type	可配联接, 法兰型号 Couplings available Flange type	L2
X7	160	167
	132	120
	100	105
X8	200	174
	180	166
	160	
X9	100	133
	225	190
	200	141
X10	180	137
	160	
	250	195
	225	190
	200	145
180		
	160	

## 减(变)速机订货须知

- 1、主机名称: \_\_\_\_\_
  - 2、减速机在主机中的作用\_\_\_\_\_
  - 3、使用环境条件: 温度\_\_\_\_\_摄氏度
  - 4、每天运转时间\_\_\_\_\_
  - 5、电机类型 \_\_\_\_\_功率\_\_\_\_\_千瓦; 电压\_\_\_\_\_伏特; 输入转速\_\_\_\_\_转/分; 频率\_\_\_\_\_赫兹
  - 6、传动比\_\_\_\_\_; 输出轴转速\_\_\_\_\_转/分
  - 7、减速机所承受载荷(转矩)\_\_\_\_\_N.m
  - 8、减速机型号规格(按型号表示示例填写)\_\_\_\_\_
  - 9、减速机与电动机连接方式\_\_\_\_\_
  - 10、所需台数\_\_\_\_\_, 希望供货时间\_\_\_\_\_年\_\_\_\_\_月\_\_\_\_\_日
  - 11、用户在订货时, 双方需要签定全国同一格式文本合同, 签定生效后, 双方务必按《中华人民共和国合同法》中有关条款规定执行。
  - 12、在签定合同前, 必须仔细阅读了解本书中的各产品性能, 使用范围特点, 各种机型的型号表示方法, 包括机型号安装方式、是否带电机、减速比、电机功率、扭矩力等相关内容。直接配电机的产品, 除注明电机功率外, 还要务必注明机种类, 相数(电机)极数(转数)如没有注明一律按三相四极交流电机出厂。
  - 13、用户在订货时尽量选取我公司的型号、规格、如特殊减速比、变速比、特殊电机可特殊订货, 我分司可为用户特殊设计制造。
  - 14、本书所例的各项技术数据及其他, 可供用户参考使用, 如有技术改进, 恕不另行通知。
- 注: a、选择带无级变速器的机型, 为充分显示本机型的优良特性, 常用转速应选择在变速范围中间值。  
b、订货时请选择本目录内的标准产品, 如有特殊要求请在合同上详细说明。

## Notices in speed reducer (speed changer) procurement

- 1、Main unit name: \_\_\_\_\_
- 2、Purpose of speed reducer in main unit
- 3、Operating conditions: Temperature \_\_\_\_\_ °C
- 4、Working time every day \_\_\_\_\_.
- 5、Motor type \_\_\_\_\_; Power \_\_\_\_\_ KW; Voltage \_\_\_\_\_ V; Input rotating speed \_\_\_\_\_ r/min; Frequency \_\_\_\_\_ HZ
- 6、Transmission ratio \_\_\_\_\_; Output spindle rotation speed \_\_\_\_\_ r/min
- 7、Maximum (torque) load allowed on speed reducer \_\_\_\_\_ N.m
- 8、Type of speed reducer (fill in types as specified) \_\_\_\_\_
- 9、Coupling method between speed reducer and motor \_\_\_\_\_
- 10、Quantity required \_\_\_\_\_. Expeded delivery date \_\_\_\_\_ year \_\_\_\_\_ month \_\_\_\_\_ day.
- 11、When a user places an order, the two parties shall sign a national uniform-pattern contract, which comes into effect after being signed, and the two parties shall implement according to relevant provisions in Contract Law of the People's Republic of China.
- 12、Before signing a contract, please read all technical parameters, application range and expression of types, including installation patterns, motors attached or not, speed reduction ratio, motor power, torque and so on. To products directly coupled with motors, besides motor power, motor type, phase number (motor) and stage number (rotation number) shall be specified, otherwise, we will provide 3-phase & 4-stage AC motors for all.
- 13、Users shall try to select the types manufactured by our compant, Special orders are available for special speed reduction ratio, transmisson ratio and motors, and our company can design and manufacture for users.
- 14、All technical parameters and other information in this document ate for users' reference, and we will not otherwise when any technical improvements ate made.

Note: a. When selecting the machine model with stepless speed variator, in order to fully represent the excellent properties of this model of machine, generally, the rotary speed shall be the middle calue within the speed cariation range.  
b. When ordering, please try to select the standard products in the catalogue. If there is any special requirement, please notify it in the contract.





