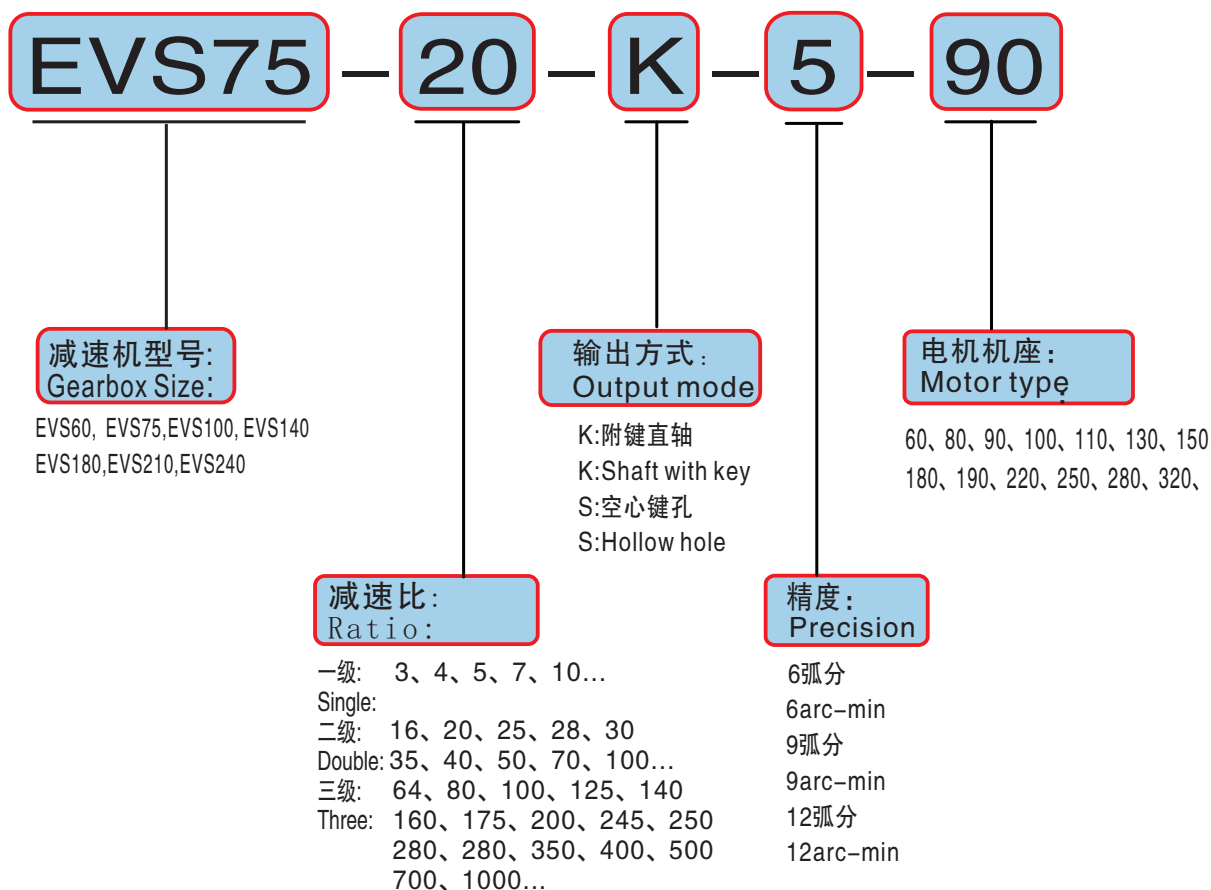


订货型号表示： Ordering representation

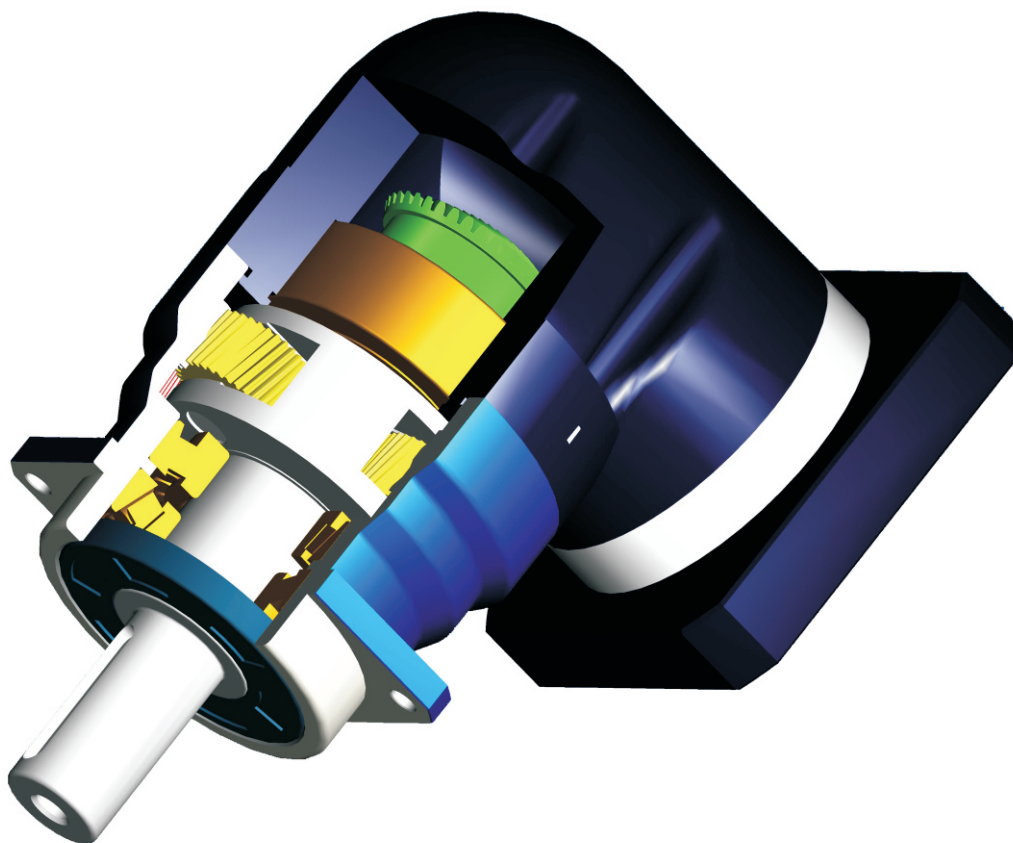


减速机工况应用选择表 Application selection of gear reducer						
使用系数(fs) Use coefficient(fs)						
负载类型 Load type	每小时启动次数Z Start times per hour Z	每日运行时间(h) Daily running time(h)				
		h≤4	4≤h≤8	8≤h≤12	12≤h≤16	16≤h≤24
平稳负载 Steady load	Z≤10	0.9	1.0	1.1	1.4	1.8
	10≤Z≤30	1.0	1.2	1.3	1.6	2.0
	30≤Z≤100	1.2	1.4	1.5	1.8	2.2
中等冲击负载 Medium impact load	Z≤10	1.2	1.4	1.5	1.8	2.2
	10≤Z≤30	1.4	1.6	1.65	2.0	2.5
	30≤Z≤100	1.6	1.8	2.0	2.2	2.8
冲击重载 Shock Overload	Z≤10	1.6	1.8	2.0	2.2	2.8
	10≤Z≤30	1.8	2.0	2.2	2.4	3.0
	30≤Z≤100	2.0	2.3	2.5	2.7	3.3

注：输出惯性大时,请加大一个型号选用；连续运转时工作寿命将降低一半。

Note: The output inertia is large, please increase the selection of a model;
Continuous operation working life will be reduced by half.

EVS系列行星减速机 EVS series planetary reducer



产品特点：高精度、承载能大、速比多、寿命长、噪音小、免维护。
Product features: High precision, high bearing capacity, high Speed ratio, Long life, low noise, maintenance free.

输入种类：交流伺服马达、直流伺服马达、步进马达。
Type: AC servo motor, DC servo motor, stepping motor.

应用领域：机床、军工、新能源设备、工业机器人、印刷设备、自动组装线、等高精度场合的应用。
Application fields: Machine tools, military industry, newenergy equipment, industrial robots, printing equipment, automatic Assembly line, and other high precision applications.

减速机性能参数 Gear performance parameters

规格 Specifications	单位 Unit	级数 Series	速比 Ratio	EVS60	EVS75	EVS100	EVS140	EVS180	EVS210	EVS240
额定承受扭矩 T2N Rated torque T2B	Nm	L1	3	28	130	240	450	1100	1750	4500
			4	52	165	320	650	1650	2650	6500
			5	52	165	320	650	1650	2650	6500
			7	36	120	210	500	1250	1850	3900
			9	—	—	—	—	—	—	2500
			10	18	75	165	320	700	1150	—
		L2	12	28	130	240	450	1100	1750	4500
			15	28	130	240	450	1100	1750	4500
			16	52	165	320	650	1650	2650	6500
			20	52	165	320	650	1650	2650	6500
			25	52	165	320	650	1650	2650	6500
			28	52	165	320	650	1650	2650	6500
			30	28	130	240	450	1100	1750	4500
			35	52	165	320	650	1650	2650	6500
			40	52	165	320	650	1650	2650	6500
			45	-	-	-	-	-	-	-
			50	52	165	320	650	1650	2650	6500
			70	36	120	210	500	1250	1850	3900
			100	18	75	165	320	700	1150	-
		L3	64	52	165	320	650	1650	2650	6500
			80	52	165	320	650	1650	2650	6500
			100	52	165	320	650	1650	2650	6500
			125	52	165	320	650	1650	2650	6500
			160	52	165	320	650	1650	2650	6500
			175	52	165	320	650	1650	2650	6500
			200	52	165	320	650	1650	2650	6500
			250	52	165	320	650	1650	2650	6500
			280	52	165	320	650	1650	2650	6500
			300	28	130	240	450	1100	1750	4500
			350	52	165	320	650	1650	2650	6500
			400	52	165	320	650	1650	2650	6500
			500	52	165	320	650	1650	2650	6500
			700	38	120	210	500	1250	1850	3900
			1000	18	75	165	320	700	1150	-
最大承受扭矩T2B Maximum torque T2B	Nm	L1 L2 L3	3-1000	2.0倍额定输出扭矩 2.0 times the rated output torque						
额定输入转数n1N Rated speed n1N	R/min	L1 L2 L3	3-1000	3000	3000	3000	2000	2000	2000	1500
背隙 Back clearance	arcmin	L1	3-10	≤6	≤6	≤6	≤6	≤6	≤6	≤10
		L2	12-100	≤9	≤9	≤9	≤9	≤9	≤9	≤15
		L3	64-1000	≤12	≤12	≤12	≤12	≤12	≤12	≤20
容许径向力F1 Allowable radial force	N	L1 L2 L3	3-1000	500	1000	3000	5000	8000	12000	20000
容许轴向力F2 Allowable axial force	N	L1 L2 L3	3-1000	300	500	1000	2000	8000	20000	30000
效率 η Efficiency	%	L1	3-10	97%	97%	97%	97%	97%	97%	97%
		L2	9-100	94%	94%	94%	94%	94%	94%	94%
		L3	64-1000	91%	91%	91%	91%	91%	91%	91%
重量 Weight	kg	L1	3-10	1.3	3.6	7.5	16.0	28.0	48.0	110
		L2	9-100	1.5	4.2	9.5	20.0	32.0	60.0	135
		L3	64-1000	1.8	4.8	11.5	24.0	36.0	72.0	150
噪音 Noise	DB	L1 L2 L3	3-1000	≤55	≤55	≤60	≤70	≤70	≤75	≤75

注：输入伞齿轮为1:1

Note: the input bevel gear is 1:1

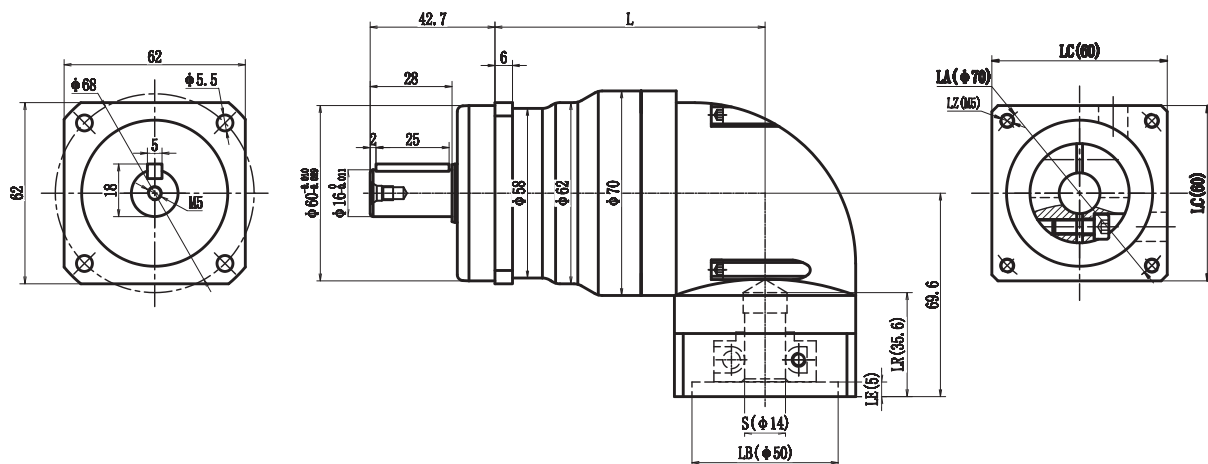
减速机性能参数 Gear performance parameters

规格 Specifications	单位 Unit	级数 Series	速比 Ratio	EVS60	EVS75	EVS100	EVS140	EVS180	EVS210	EVS240
额定承受扭矩 T2N Rated torque T2B	Nm	L1	6	28	130	240	450	1100	1750	4500
			8	52	165	320	650	1650	2650	6500
			10	52	165	320	650	1650	2650	6500
			14	36	120	210	500	1250	1850	3900
			18	—	—	—	—	—	—	2500
		L2	20	18	75	165	320	700	1150	—
			24	28	130	240	450	1100	1750	4500
			30	28	130	240	450	1100	1750	4500
			32	52	165	320	650	1650	2650	6500
			40	52	165	320	650	1650	2650	6500
			50	52	165	320	650	1650	2650	6500
			56	52	165	320	650	1650	2650	6500
			60	28	130	240	450	1100	1750	4500
			70	52	165	320	650	1650	2650	6500
			80	52	165	320	650	1650	2650	6500
			90	-	-	-	-	-	-	-
			100	52	165	320	650	1650	2650	6500
			140	36	120	210	500	1250	1850	3900
			200	18	75	165	320	700	1150	-
		L3	128	52	165	320	650	1650	2650	6500
			160	52	165	320	650	1650	2650	6500
			200	52	165	320	650	1650	2650	6500
			250	52	165	320	650	1650	2650	6500
			320	52	165	320	650	1650	2650	6500
			350	52	165	320	650	1650	2650	6500
			400	52	165	320	650	1650	2650	6500
			500	52	165	320	650	1650	2650	6500
			560	52	165	320	650	1650	2650	6500
			600	28	130	240	450	1100	1750	4500
			700	52	165	320	650	1650	2650	6500
			800	52	165	320	650	1650	2650	6500
			1000	52	165	320	650	1650	2650	6500
			1400	38	120	210	500	1250	1850	3900
			2000	18	75	165	320	700	1150	-
最大承受扭矩T2B Maximum torque T2B	Nm	L1 L2 L3	6-2000	2.0倍额定输出扭矩 2.0 times the rated output torque						
额定输入转数n1N Rated speed n1N	R/min	L1 L2 L3	6-2000	3000	3000	3000	2000	2000	2000	1500
背隙 Back clearance	arcmin	L1	6-20	≤3	≤3	≤3	≤3	≤3	≤3	≤5
		L2	24-200	≤6	≤6	≤6	≤6	≤6	≤6	≤10
		L3	128-2000	≤8	≤8	≤8	≤8	≤8	≤8	≤15
容许径向力F1 Allowable radial force	N	L1 L2 L3	6-2000	500	1000	3000	5000	8000	12000	20000
容许轴向力F2 Allowable axial force	N	L1 L2 L3	6-2000	300	500	1000	2000	8000	20000	30000
效率 η Efficiency	%	L1	6-20	97%	97%	97%	97%	97%	97%	97%
		L2	24-200	94%	94%	94%	94%	94%	94%	94%
		L3	128-2000	91%	91%	91%	91%	91%	91%	91%
重量 Weight	kg	L1	6-20	1.3	3.6	7.5	16.0	28.0	48.0	110
		L2	24-200	1.5	4.2	9.5	20.0	32.0	60.0	135
		L3	128-2000	1.8	4.8	11.5	24.0	36.0	72.0	150
噪音 Noise	DB	L1 L2 L3	6-2000	≤60	≤60	≤65	≤70	≤70	≤75	≤75

注：输入伞齿轮为1:2

Note: the input bevel gear is 1:2

EVS60 Appearance Figure

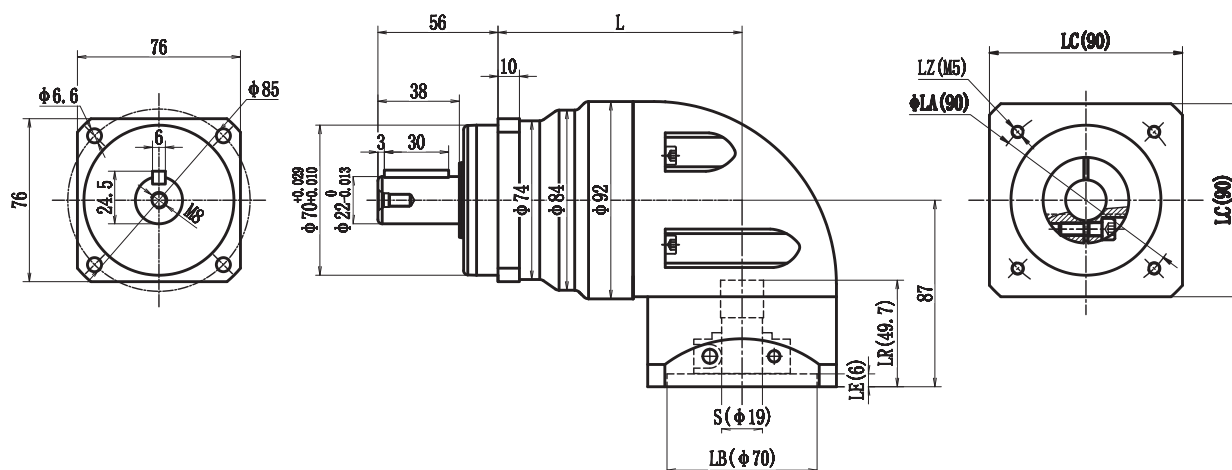


电机机座 Motor frame	LA	LZ	S	LB	LR	LE	LC	级数 Series		
								L1	L2	L3
40	45	4-M3	8	30	25	5	40	86.5	114	134
60	70	4-M4	11/14	50	30	5	60	86.5	114	134



EVS75外形图

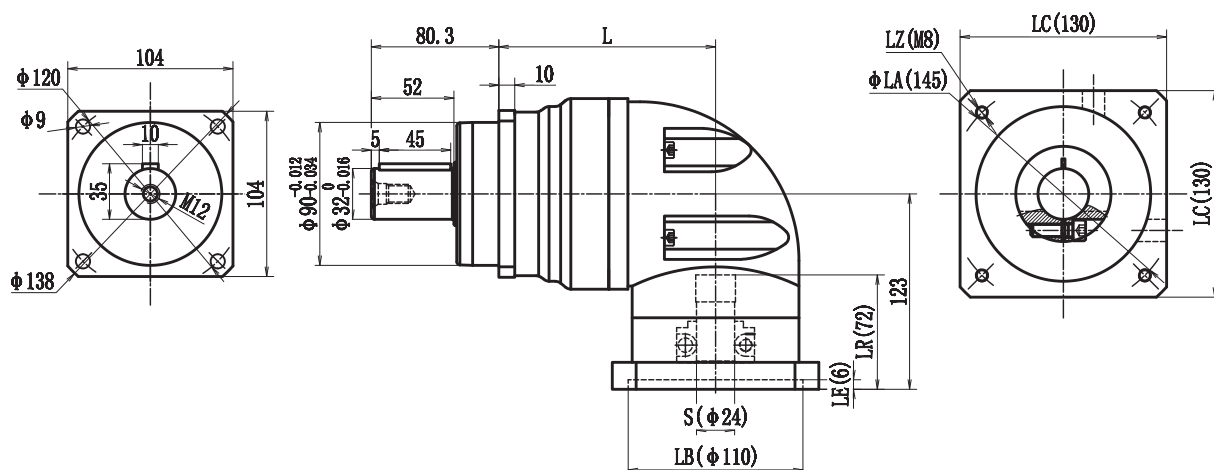
EVS75Appearance Figure



电机机座 Motor frame	LA	LZ	S	LB	LR	LE	LC	级数 Series		
								L1	L2	L3
60	70	4-M4	11/14	50	30	5	60	112	142	172
80	90	4-M5	19	70	35	5	80	112	142	172
90	100	4-M6	16/19	80	35	5	90	112	142	172

EVS100外形图

EVS100Appearance Figure

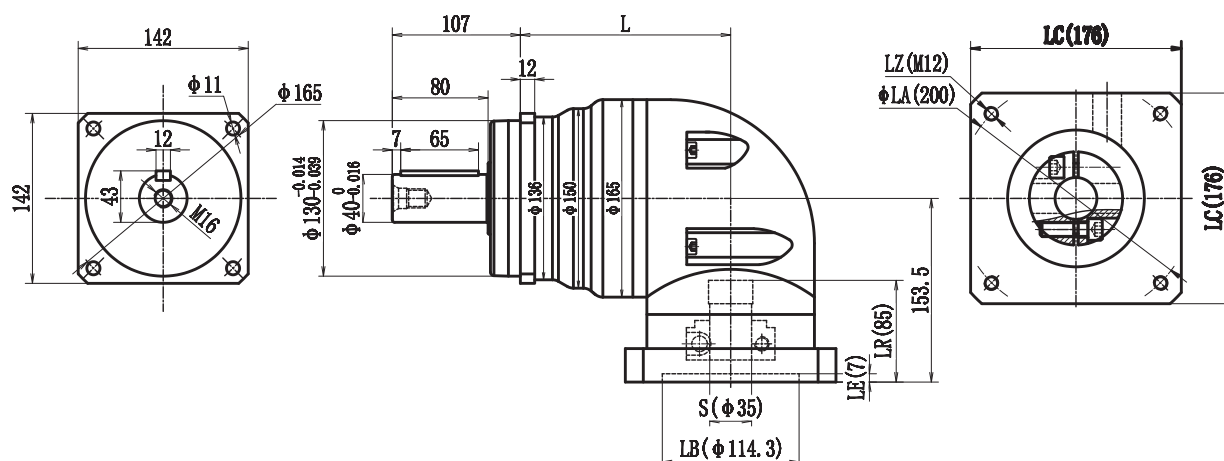


电机机座 Motor frame	LA	LZ	S	LB	LR	LE	LC	级数 Series		
								L1	L2	L3
100	115	4-M8	19/22	95	55	8	100	137	175	213
110	130	4-M8	22	110	55	8	110	137	175	213
130	145	4-M8	22/24	110	65	10	130	137	175	213



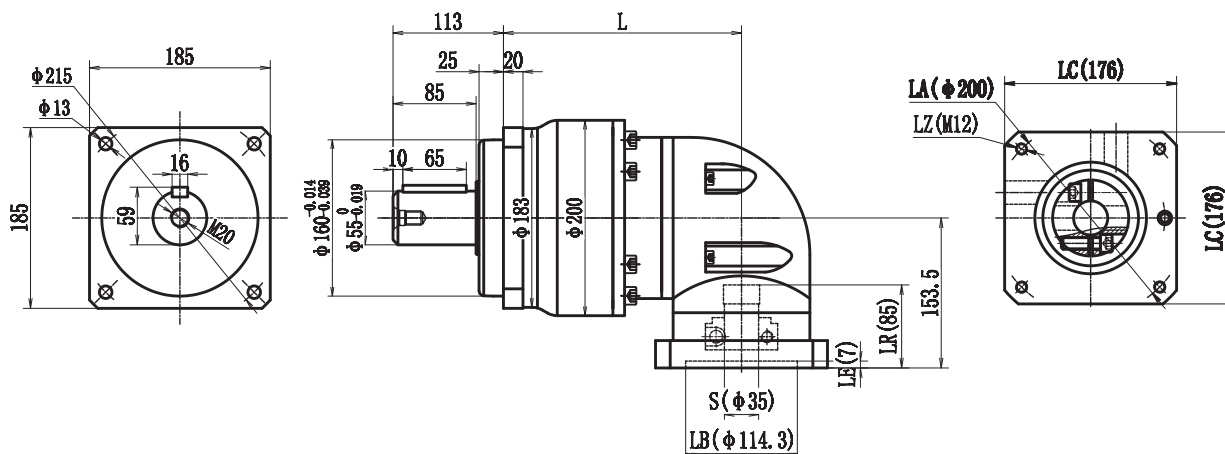
EVS140外形图

EVS140Appearance Figure



电机机座 Motor frame	LA	LZ	S	LB	LR	LE	LC	级数 Series		
								L1	L2	L3
130	145	4-M8	22/24	110	65	10	130	177	224	271
150	165	4-M10	28/32	130	65	10	150	177	224	271
180	200	4-M12	35	114.3	80	10	180	177	224	271

EVS180 Appearance Figure

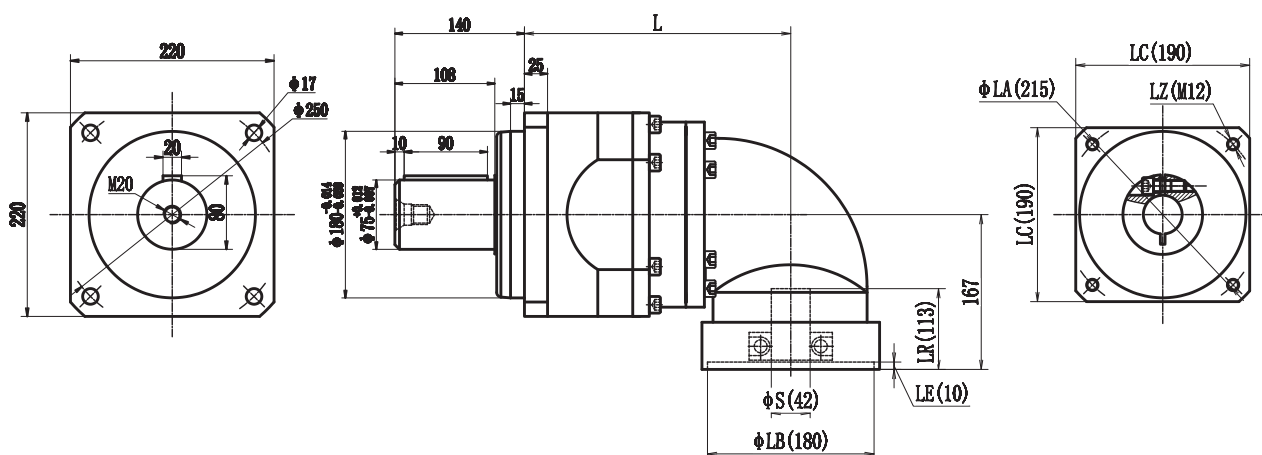


电机机座 Motor frame	LA	LZ	S	LB	LR	LE	LC	级数 Series		
								L1	L2	L3
150	165	4-M10	28/32	130	65	10	150	223	243	289
180	200	4-M12	35/42	114.3	80/114	10	180	223	243	289
190	215	4-M12	42/38	180	80	10	190	223	243	289



EVS210外形图

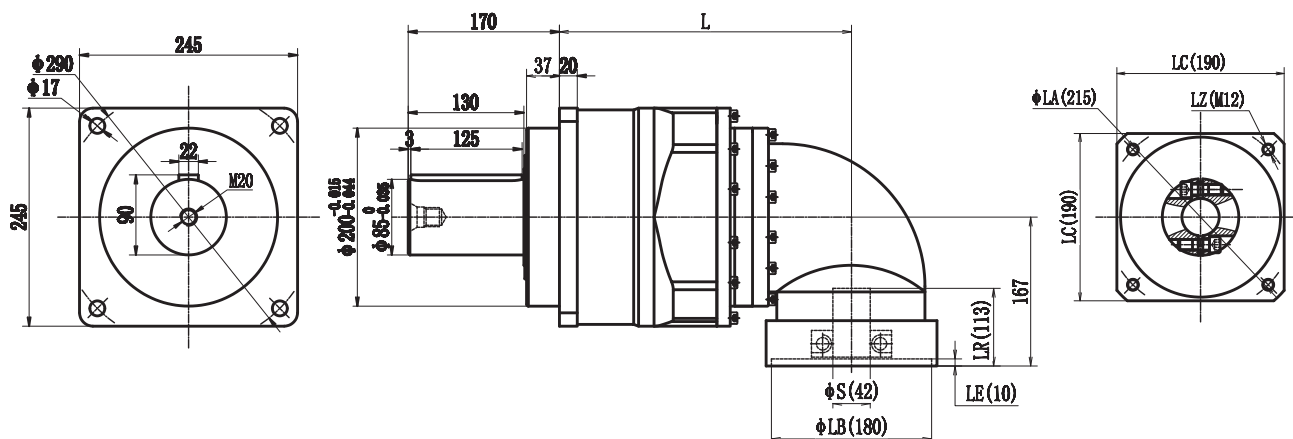
EVS210Appearance Figure



电机机座 Motor frame	LA	LZ	S	LB	LR	LE	LC	级数 Series		
								L1	L2	L3
180	200	4-M12	35/42	114.3	80/114	10	180	270	301	349
190	215	4-M12	42/38	180	80	10	190	270	301	349
220	235	4-M12	55	200	110	10	220	270	301	349

EVS240外形图

EVS240 Appearance Figure



电机机座 Motor frame	LA	LZ	S	LB	LR	LE	LC	级数 Series		
								L1	L2	L3
220	235	4-M12	55	200	110	10	220	325	388	463
250	265	4-M12	60/65	230	140	10	250	325	388	463
280	300	4-M16	55/70	250	140	10	280	325	388	463

