



PLANETARY REDUCER AB系列行星减速机

体积小、噪音低、效率高、结构紧凑、可靠性高、噪音低。

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型号说明 / MODEL ILLUMINATE

AB060

10

S2

P2

马达

减速机型号：
AB042、AB060
AB090、AB115
AB142、AB180
AB220

输出轴型式：
S1：平滑光轴
S2：附带键轴

马达型号：
马达制造商及型号
马达安装尺寸

减速比：
单段：3、4、5、7、8、10
双段：12、15、20、25、30、35、40
50、70、90、100

背隙：
超精密背隙：P0
精密背隙：P1
标准背隙：P2

订货型号选定：AB060-010-S2-P2/松下MSME-042GIU
或：AB060-010-S2-P2/Φ14*30/Φ50*3/4-Φ4.5-Φ70

ABR060

10

S2

P2

马达

减速机型号：
ABR042、ABR060
ABR090、ABR115
ABR142、ABR180
ABR220

输出轴型式：
S1：平滑光轴
S2：附带键轴

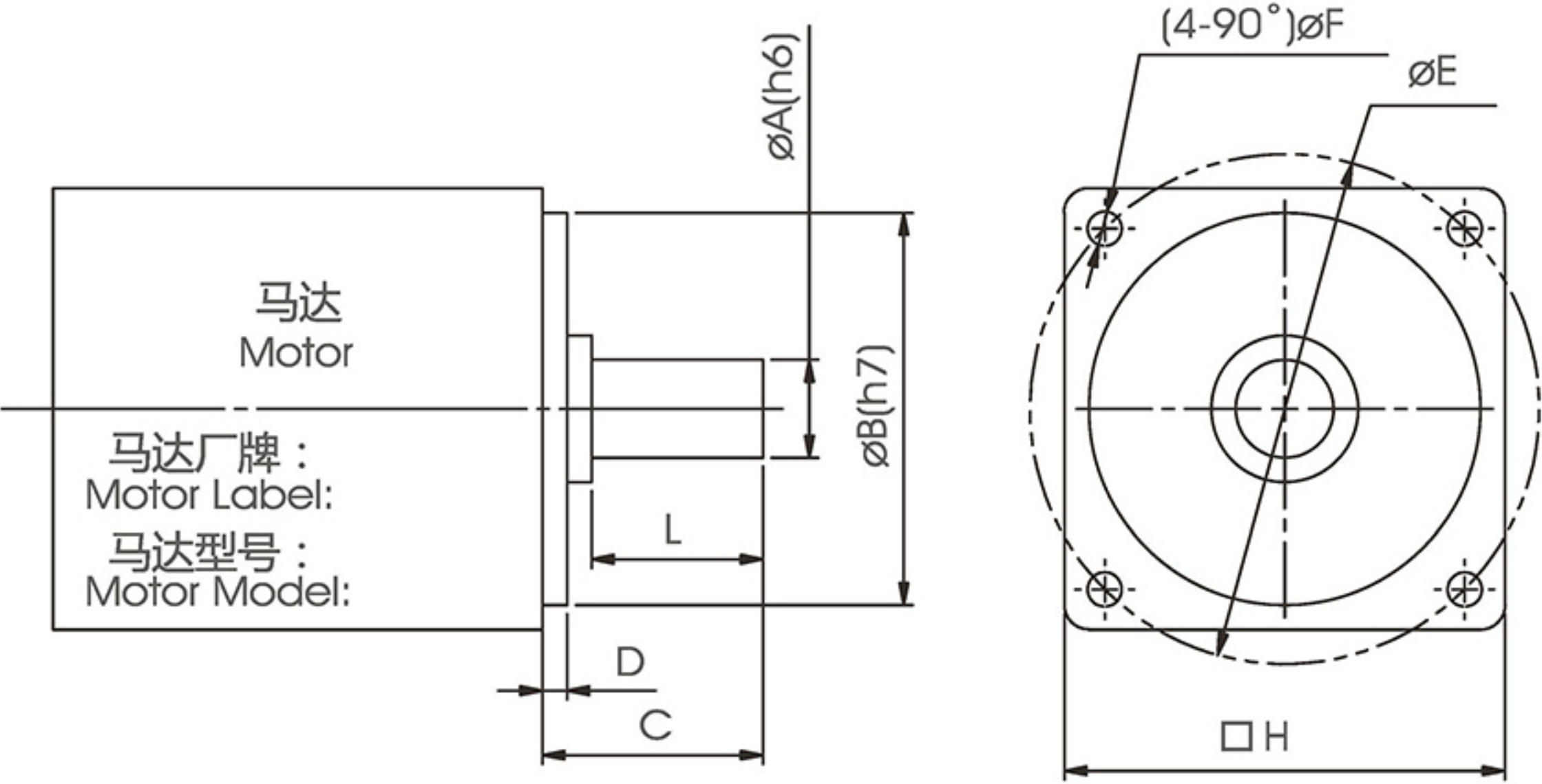
马达型号：
马达制造商及型号
马达安装尺寸

减速比：
单段：3、4、5、7、8、10、14、16、20
双段：12、15、16、20、25、30、35、40
50、70、90、100

背隙：
超精密背隙：P0
精密背隙：P1
标准背隙：P2

订货型号选定：ABR060-010-S2-P2/松下MSME-042GIU
或：ABR060-010-S2-P2/Φ14*30/Φ50*3/4-Φ4.5-Φ70

FILL IN DATA OF MOTOR 客户填写资料



减速机性能资料 / GEAR BOX PERFORMANCE INFORMATION

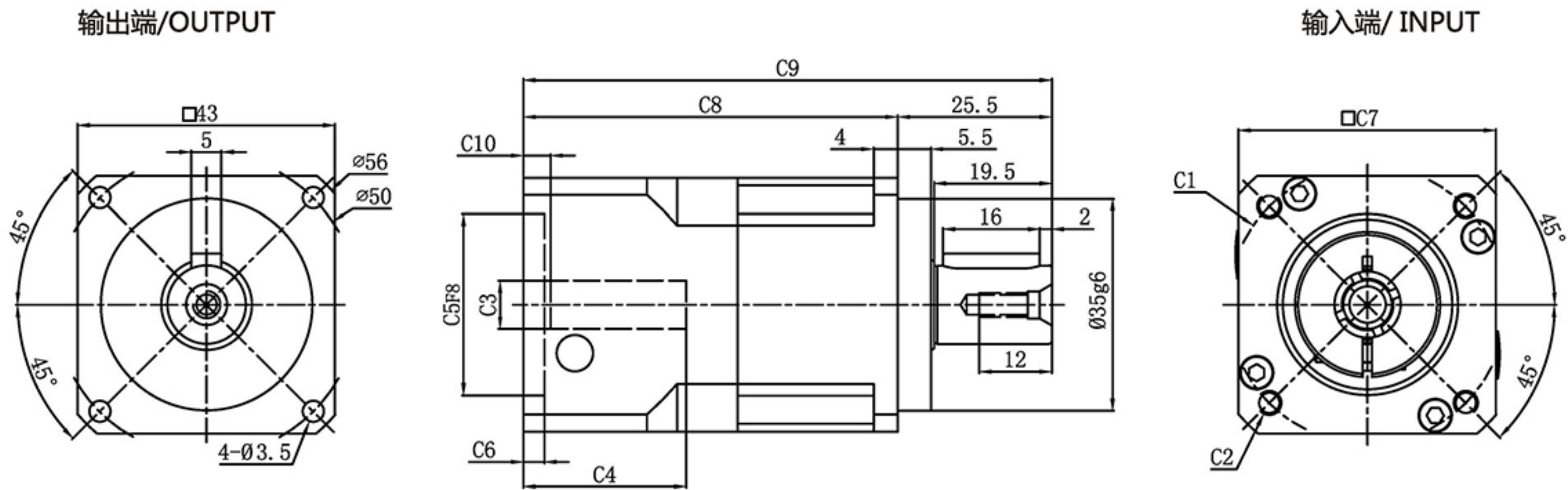
规格Specifications	单位unit	节数Stage	减速比Ratio	AB042	AB060	AB090	AB115	AB142	AB180	AB220
额定输出力矩T2N Nominal Output Torque	N.m	1	3	19	53	145	290	520	950	1550
			4	20	55	150	300	550	1050	1700
			5	17	54	140	290	650	1200	2000
			6	—	—	—	—	—	1100	1900
			7	14	44	125	270	550	1100	1500
			8	—	—	—	—	—	1000	1450
			9	—	37	95	220	360	—	—
			10	11	37	95	220	360	800	1250
		2	12	19	53	145	290	520	950	1550
			15	19	53	145	290	520	950	1550
			20	20	55	150	300	550	1050	1700
			25	17	54	140	290	650	1200	2000
			30	17	54	140	290	530	950	1550
			35	17	54	140	290	520	1200	2000
			40	20	55	150	300	550	1050	1700
			50	17	54	140	290	650	1200	2000
			70	14	44	125	270	550	1100	1500
			90	—	37	95	220	360	—	—
			100	11	37	95	220	360	800	1250
急停力矩T2NOT Emergency Stop Torque	N.m	1、2	3 ~ 100	3倍额定输出力矩 (3.0 times of Nominal Output Torque)						
额定输入转速n1 Nominal Input Speed	rpm	1、2	3 ~ 100	5000	5000	4000	4000	3000	3000	2000
最大输入转速n1max Max.Input Speed	rpm	1、2	3 ~ 100	10000	10000	8000	8000	6000	6000	4000
超精密背隙P0 Ultraprecise Backlash	arcmin	1	3 ~ 10	≤2	≤2	≤2	≤1	≤1	≤1	≤1
		2	12 ~ 100	≤4	≤4	≤4	≤3	≤3	≤3	≤3
精密背隙P1 Precise Backlash	arcmin	1	3 ~ 10	≤4	≤4	≤4	≤3	≤3	≤3	≤3
		2	12 ~ 100	≤6	≤6	≤6	≤5	≤5	≤5	≤5
标准背隙P2 Standard Backlash	arcmin	1	3 ~ 10	≤6	≤6	≤6	≤5	≤5	≤5	≤5
		2	12 ~ 100	≤8	≤8	≤8	≤7	≤7	≤7	≤7
扭转刚性 Torsional Rigidity	N.m /arcmin	1、2	3 ~ 100	2.5	6	12	23	45	148	220
容许径向力F2rB Max.Radial Load	N	1、2	3 ~ 100	515	1010	1780	3420	5380	8330	11120
容许轴向力F2aB Max.Axial Load	N	1、2	3 ~ 100	410	600	1500	2650	4670	6460	8560
使用温度 Operating Temp	° C	1、2	3 ~ 100	-10° C ~ +90° C						
使用寿命 Service Life	hr	1、2	3 ~ 100	20,000 (10,000/连续运转continui operationg)						
效率 η Efficiency	%	1	3 ~ 10	≥97%						
		2	12 ~ 100	≥94%						
重量 Weight	kg	1	3 ~ 10	0.6	1.3	3.5	7.8	16.1	30.0	58.0
		2	12 ~ 100	0.9	2.0	5.6	9.5	19.0	42.0	65.0
安装方向 mounting Position	—	1、2	3 ~ 100	任意方向 Any direction						
噪音值 Noise Level	dBA/1m	1、2	3 ~ 100	56	58	60	63	65	67	70
防护等级 Protection Class	—	1、2	3 ~ 100	Ip65						
润滑 Lubrication		1、2	3 ~ 100	全合成润滑脂油 Synthetic Lubricant						

减速机转动惯量

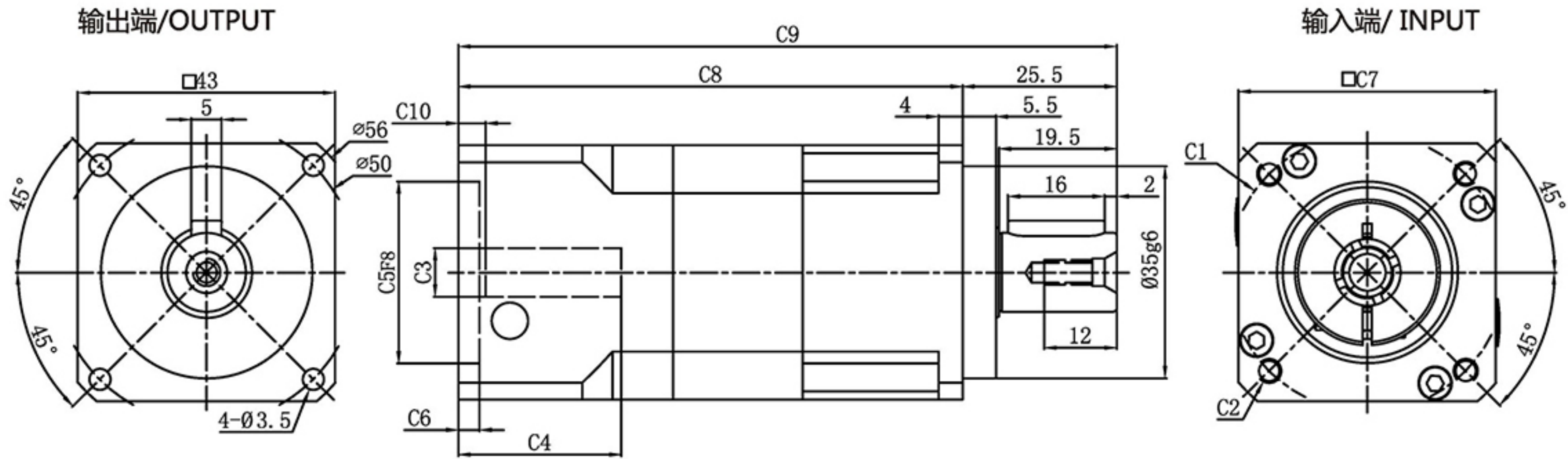
规格Specifications	单位unit	节数Stage	减速比Ratio	AB042	AB060	AB090	AB115	AB142	AB180	AB220
转动惯量J1 Inertia	kg.cm ²	1	3	0.03	0.23	0.97	2.35	10.00	28.90	69.63
			4	0.02	0.18	0.67	1.66	7.17	24.00	54.25
			5	0.02	0.17	0.65	1.50	6.52	23.27	53.30
			6	—	—	—	—	—	23.26	52.25
			7	0.02	0.14	0.60	1.45	6.17	22.42	51.00
			8	—	—	—	—	—	22.40	50.70
			9	0.02	0.14	0.58	1.41	6.10	—	—
			10	0.02	0.14	0.58	1.41	6.10	22.50	50.62
		2	12	0.02	0.17	0.65	1.50	6.52	23.27	53.30
			15	0.02	0.17	0.65	1.50	6.52	24.27	54.37
			20	0.02	0.17	0.65	1.50	6.52	23.27	53.30
			25	0.02	0.17	0.65	1.50	6.52	24.27	54.37
			30	0.02	0.14	0.60	1.45	6.52	23.27	53.30
			35	0.02	0.14	0.60	1.45	6.52	24.27	54.37
			40	0.02	0.14	0.60	1.45	6.52	23.27	53.30
			50	0.02	0.14	0.58	1.41	6.10	22.50	52.45
			70	0.02	0.14	0.58	1.41	6.10	22.50	52.45
			90	0.02	0.14	0.58	1.41	6.10	—	—

外形尺寸图表 / OUTLINE DIMENSION SHEET

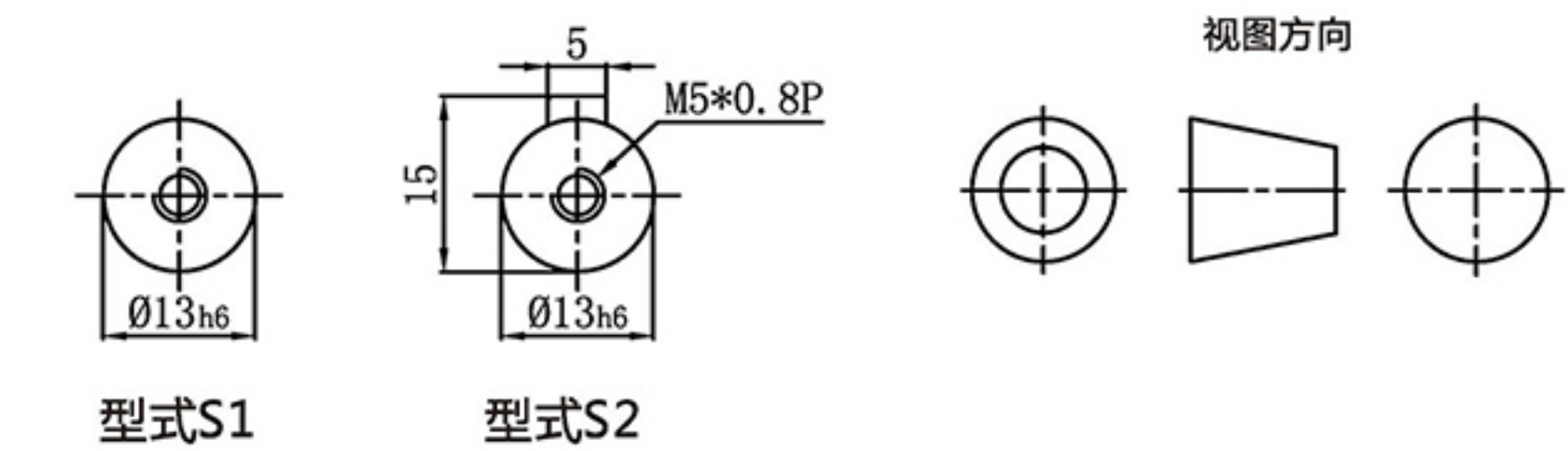
AB042-L1



AB042-L2



输出轴径/Output Diameter

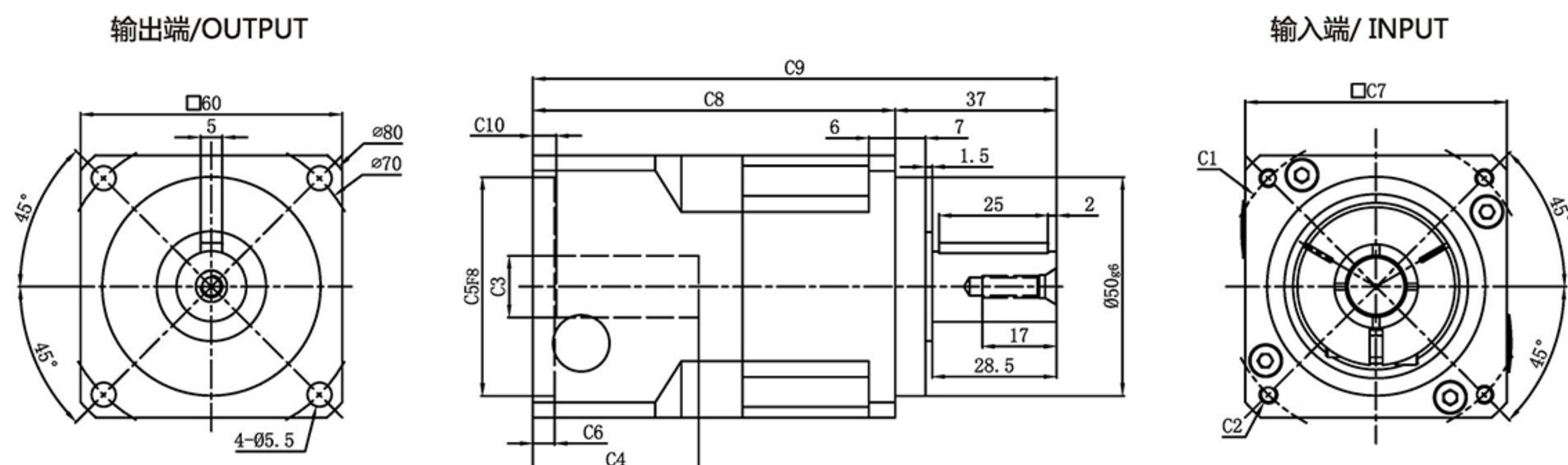


尺寸	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
AB042-L1	φ 45	4-M3x8	≤ φ 8	27	φ 30	3.5	43	63	88.5	4.5
	φ 46	4-M4x10	≤ φ 8	27	φ 30	3.5	43	63	88.5	4.5
AB042-L2	φ 45	4-M3x8	≤ φ 8	27	φ 30	3.5	43	85.5	110	4.5
	φ 46	4-M4x10	≤ φ 8	27	φ 30	3.5	43	85.5	110	4.5

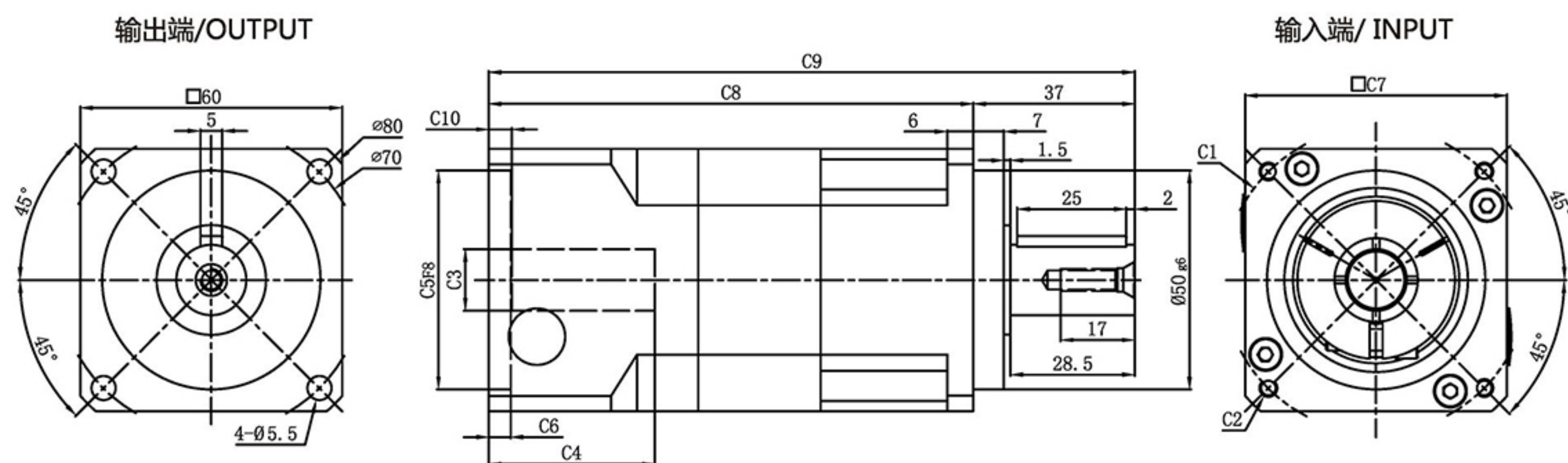
* C1~C10是公制标准马达连接板之尺寸,可根据客户要求单独定做。
* C1~C10are motor (metric standard) specific dimensions, which could be customised.

外形尺寸图表 / OUTLINE DIMENSION SHEET

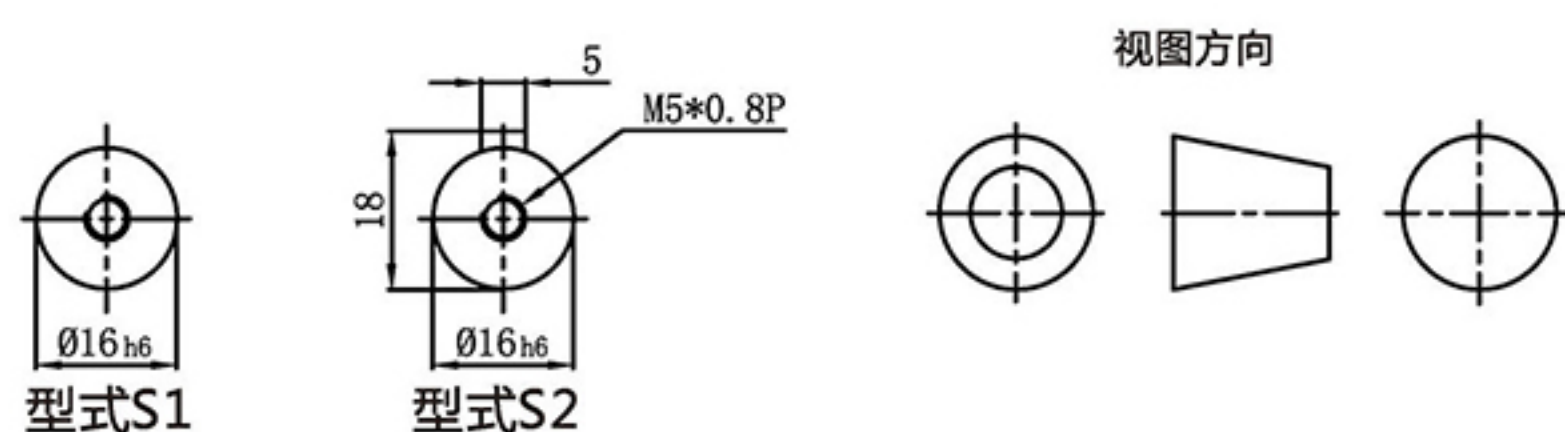
AB060-L1



AB060-L2



输出轴径/Output Diameter



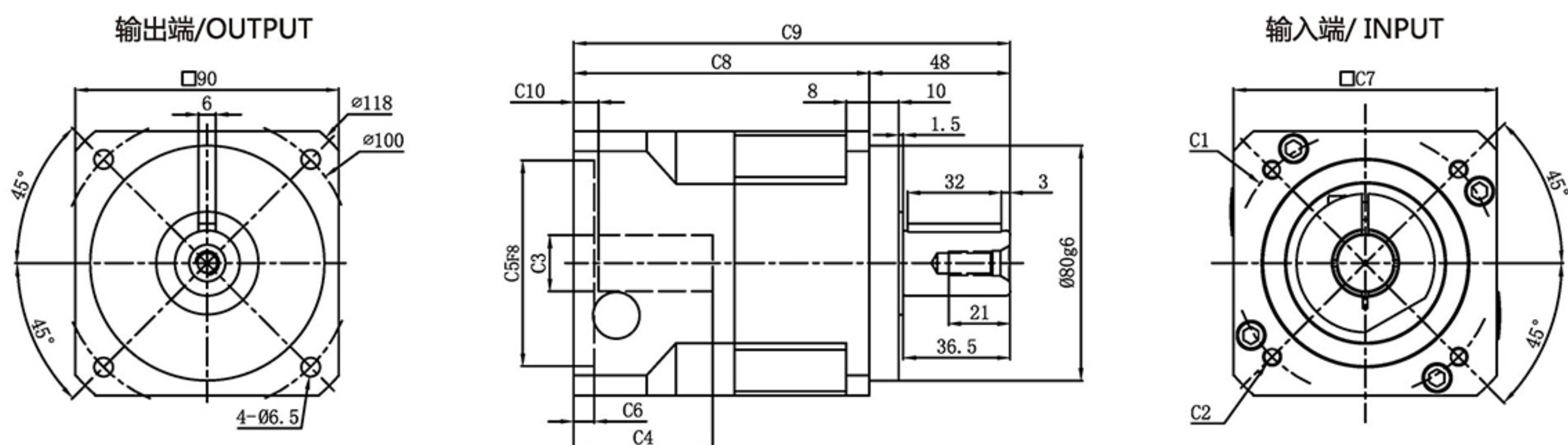
尺寸	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
AB060-L1	φ 46	4-M4x12, 4-M5x12	≤ φ 8	44	φ 30	9	60	91	126	10.3
	φ 66.7	4-M4x12	≤ φ 8	38	φ 38.1	3	60	83	120	4.3
	φ 70	4-M4x12, 4-M5x12	≤ φ 14	38	φ 50	5	60	83	120	5.3
	φ 75	4-M4x12, 4-M5x12	≤ φ 14	38.5	φ 60	5	66	83.5	120	5.5
	φ 90	4-M5x15, 4-M6x15	≤ φ 19	44	φ 70	7	80	89	128	11
	φ 100	4-M6x15	≤ φ 19	44	φ 80	7	90	89	128	11
AB060-L2	φ 46	4-M4x12, 4-M5x12	≤ φ 8	44	φ 30	9	60	117	154	10.3
	φ 66.7	4-M4x12	≤ φ 8	38	φ 38.1	3	60	111	148	4.3
	φ 70	4-M4x12, 4-M5x12	≤ φ 14	38	φ 50	5	60	111	148	5.3
	φ 75	4-M4x10, 4-M5x12	≤ φ 14	38.5	φ 60	5	66	111.5	148	5.5
	φ 90	4-M5x15, 4-M6x15	≤ φ 19	44	φ 70	7	80	117	156	11
	φ 100	4-M6x15	≤ φ 19	44	φ 80	7	90	117	156	11

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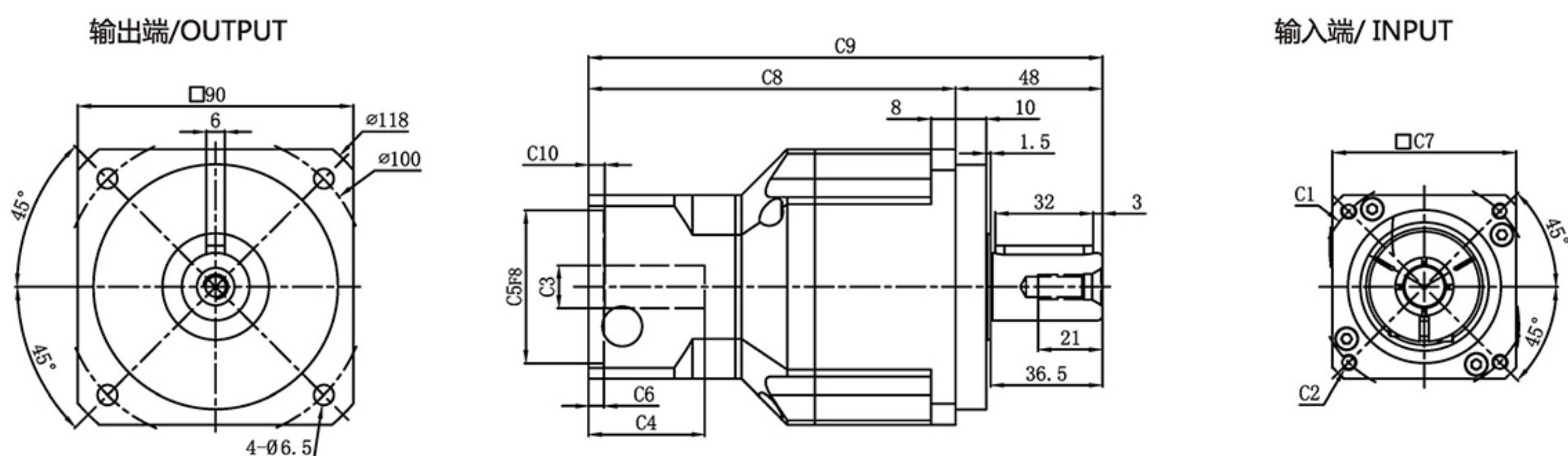
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外形尺寸图表 / OUTLINE DIMENSION SHEET

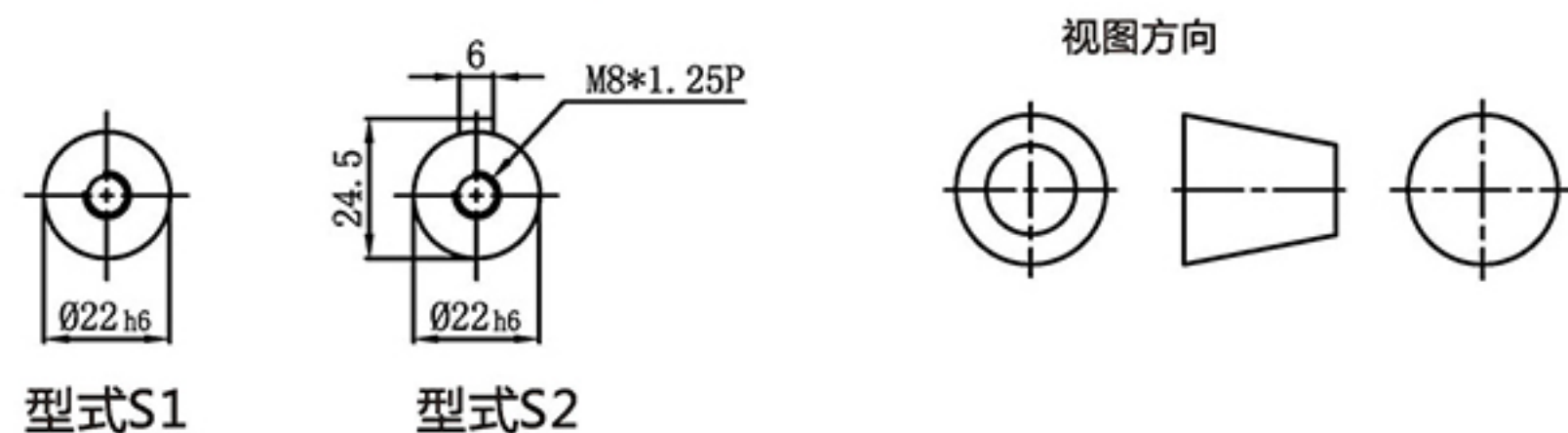
AB090-L1



AB090-L2



输出轴径/Output Diameter



型式S1

型式S2

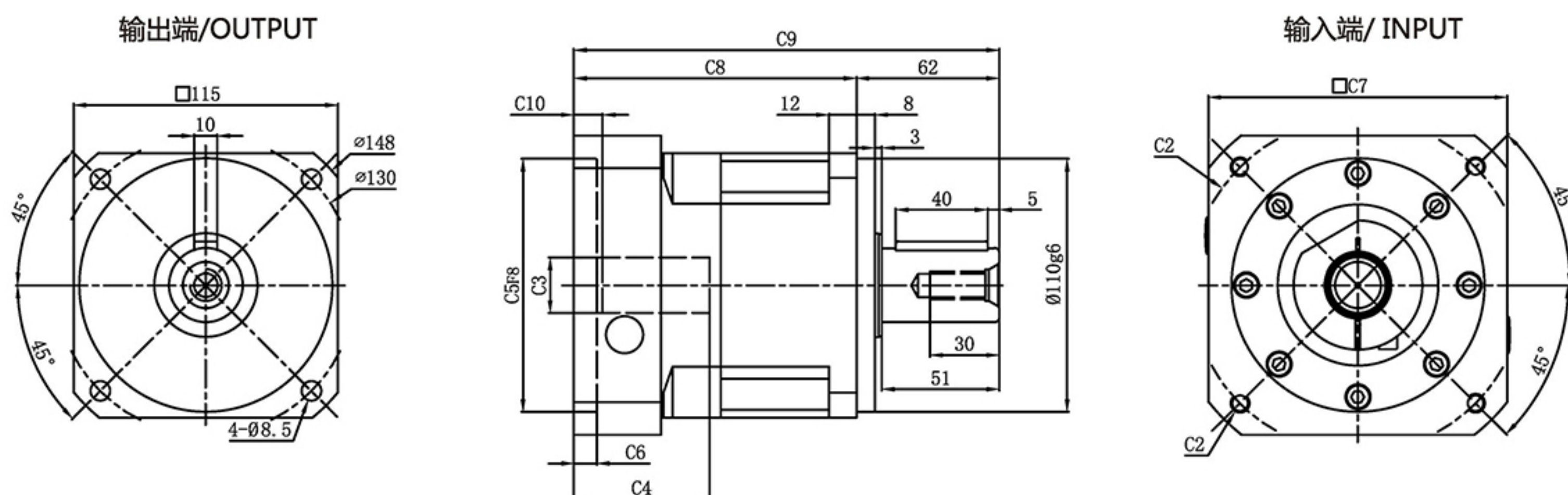
尺寸	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
AB090-L1	φ 70	4-M4x12,4-M5x12	≤ φ 14	47.5	φ 50	4	90	101	149	6
	φ 75	4-M4x12,4-M5x12	≤ φ 14	47.5	φ 60	5.5	90	101	149	6
	φ 90	4-M5x15,4-M6x15	≤ φ 19	47.5	φ 70	7	90	101	149	7
	φ 98.4	4-M6x15	≤ φ 14	47.5	φ 73	7	90	101	149	7
	φ 98.4	4-M6x15	≤ φ 14	47.5	φ 60	7	90	101	149	7
	φ 100	4-M6x15	≤ φ 19	47.5	φ 80	7	90	101	149	7
	φ 115	4-M8x20	≤ φ 24	61.5	φ 95	10	100	113	161	12.5
	φ 130	4-M8x20	≤ φ 24	61.5	φ 95	10	115	113	161	12.5
	φ 145	4-M8x20	≤ φ 24	61.5	φ 110	10	130	113	161	12.5
AB090-L2	φ 145	4-M8x20	≤ φ 24	70.5	φ 110	10	130	122	170	21.5
	φ 70	4-M4x12,4-M5x12	≤ φ 14	38	φ 50	5	60	120	168	5.3
	φ 75	4-M4x12,4-M5x12	≤ φ 14	38.5	φ 60	5.5	66	120.5	168	5.8
	φ 90	4-M5x15,4-M6x15	≤ φ 19	50.5	φ 70	7	80	128	176	11
	φ 98.4	4-M6x15	≤ φ 14	50.5	φ 73	7	90	128	176	11
	φ 98.4	4-M6x15	≤ φ 14	50.5	φ 60	7	90	128	176	11
	φ 100	4-M6x15	≤ φ 19	50.5	φ 80	7	90	128	176	11
	φ 115	4-M8x20	≤ φ 24	61.5	φ 95	10	100	153	201	12.5
	φ 130	4-M8x20	≤ φ 24	61.5	φ 95	10	115	153	161	12.5
	φ 145	4-M8x20	≤ φ 24	61.5	φ 110	10	130	153	201	12.5
	φ 145	4-M8x20	≤ φ 24	70.5	φ 110	10	130	162	210	21.5

* C1~C10是公制标准马达连接板之尺寸,可根据客户要求单独定做。

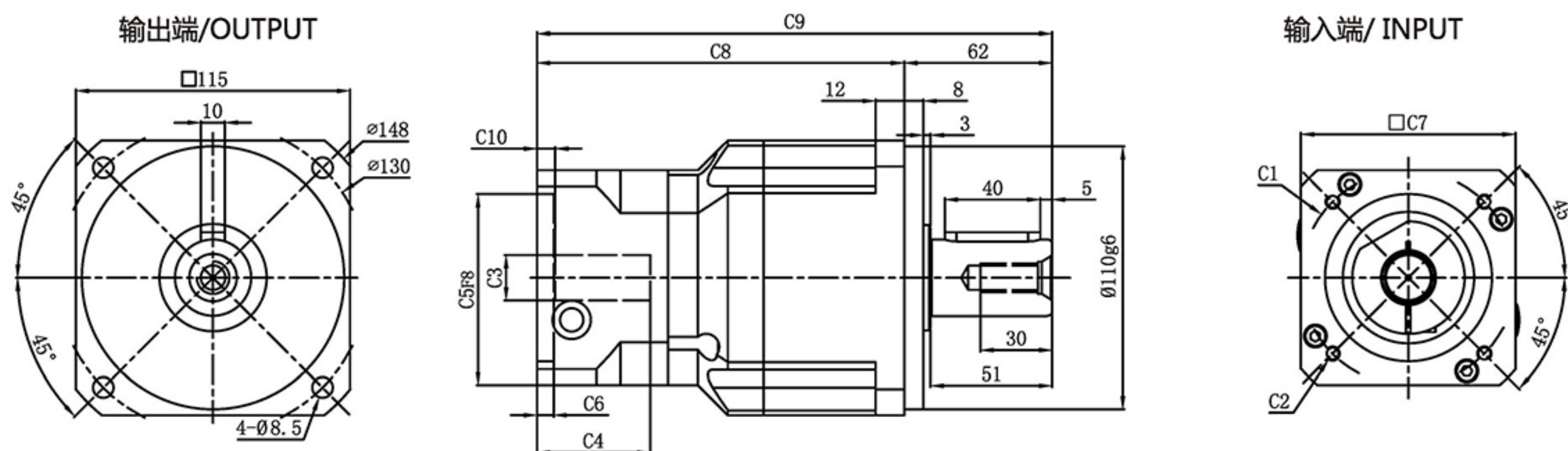
* C1~C10are motor (metric standard) specific dimensions, which could be customised.

外形尺寸图表 / OUTLINE DIMENSION SHEET

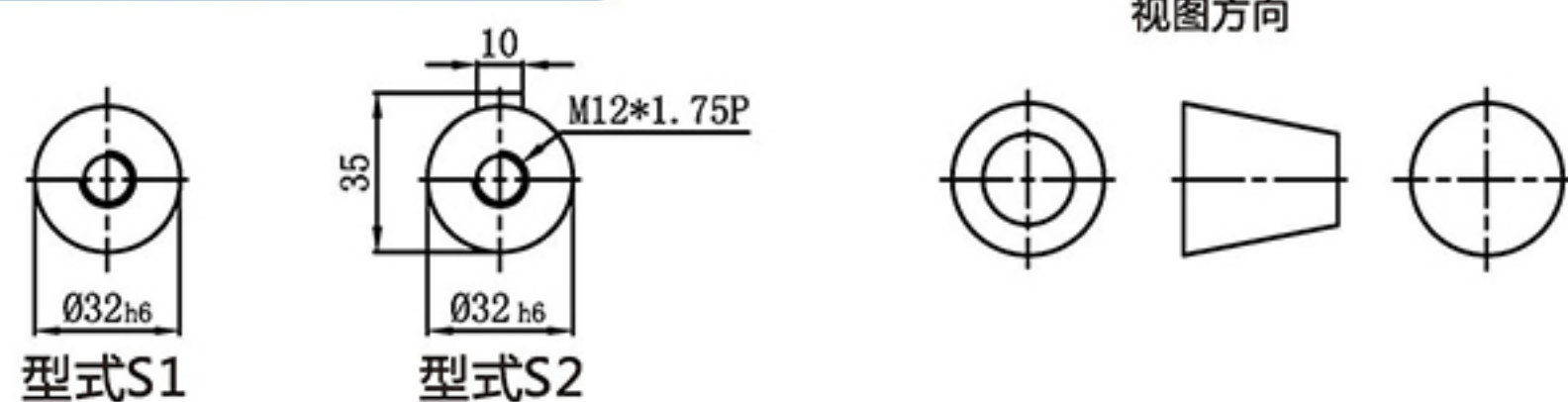
AB115-L1



AB115-L2



输出轴径/Output Diameter



尺寸	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
AB115-L1	φ 90	4-M5x15,4-M6x15	≤ φ 19	48.5	φ 70	7	115	112.5	174.5	7
	φ 100	4-M6x15	≤ φ 19	48.5	φ 80	7	115	112.5	174.5	7
	φ 115	4-M8x20	≤ φ 24	58	φ 95	10	115	122	184	11.5
	φ 130	4-M8x20	≤ φ 24	58	φ 95	10	115	122	184	11.5
	φ 132	4-M8x20	≤ φ 24	58	φ 85	10	115	122	184	11.5
	φ 145	4-M8x20	≤ φ 24	59	φ 110	10	130	123	185	12.5
	φ 145	4-M8x20	≤ φ 24	68	φ 110	10	130	132	194	21.5
	φ 165	4-M10x30	≤ φ 32	80	φ 130	10	142	148.5	210.5	18.5
	φ 200	4-M12x35	≤ φ 35	82	φ 114.3	8	180	150.5	212.5	20.5
AB115-L2	φ 215	4-M14x35	≤ φ 38	82	φ 180	8	190	150.5	212.5	20.5
	φ 90	4-M5x15,4-M6x15	≤ φ 19	47.5	φ 70	7	90	154	216	7
	φ 100	4-M6x15	≤ φ 19	47.5	φ 80	7	90	154	216	7
	φ 115	4-M8x20	≤ φ 24	61.5	φ 95	10	100	166	228	12.5
	φ 130	4-M8x20	≤ φ 24	61.5	φ 95	10	115	166	228	12.5
	φ 132	4-M8x20	≤ φ 24	61.5	φ 85	10	115	166	228	12.5
	φ 145	4-M8x20	≤ φ 24	62	φ 110	10	130	166.5	228.5	13
	φ 145	4-M8x20	≤ φ 24	70.5	φ 110	10	130	175	237	21.5
	φ 165	4-M10x30	≤ φ 32	80	φ 130	10	142	196.5	258.5	18.5
	φ 200	4-M12x35	≤ φ 35	82	φ 114.3	8	180	198.5	260.5	20.5
	φ 215	4-M14x35	≤ φ 38	82	φ 180	8	190	198.5	260.5	20.5

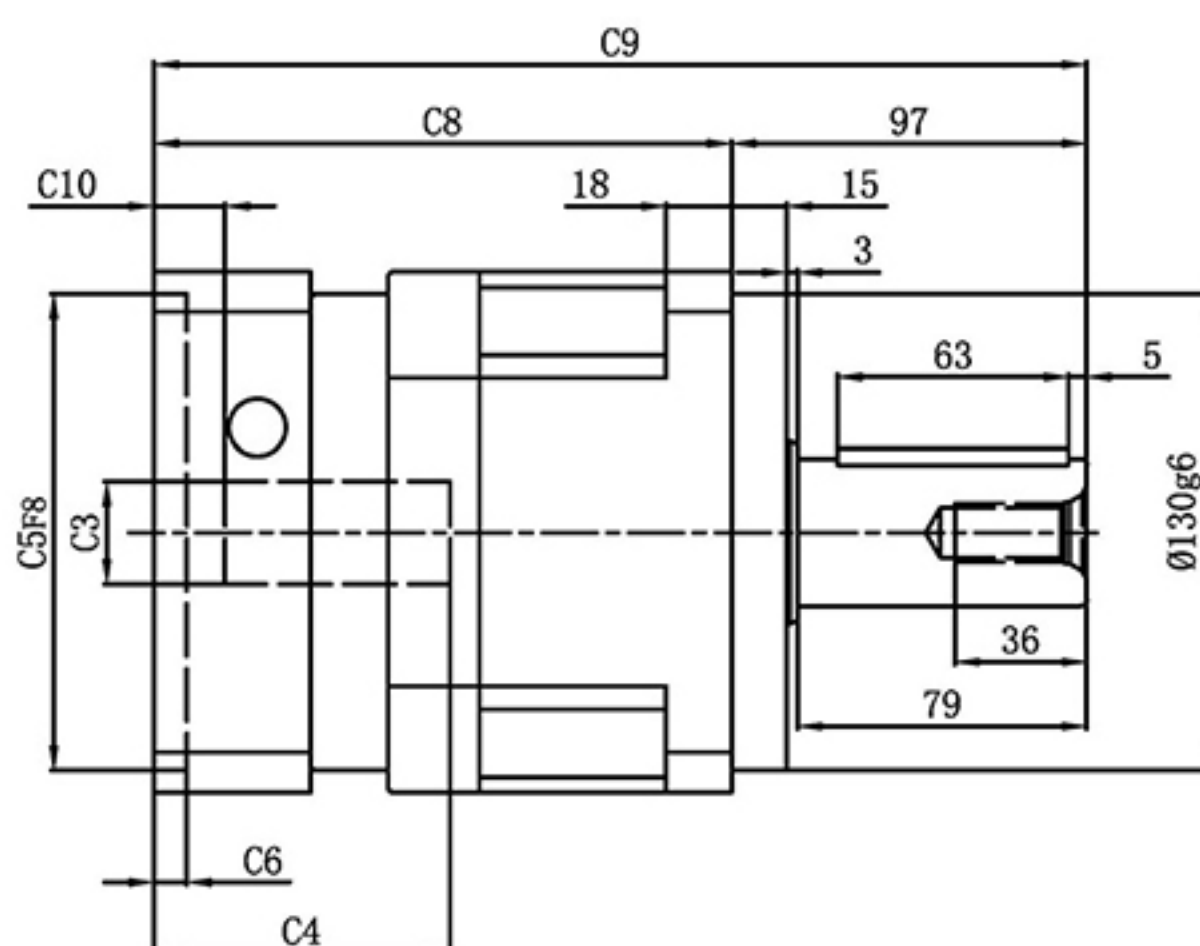
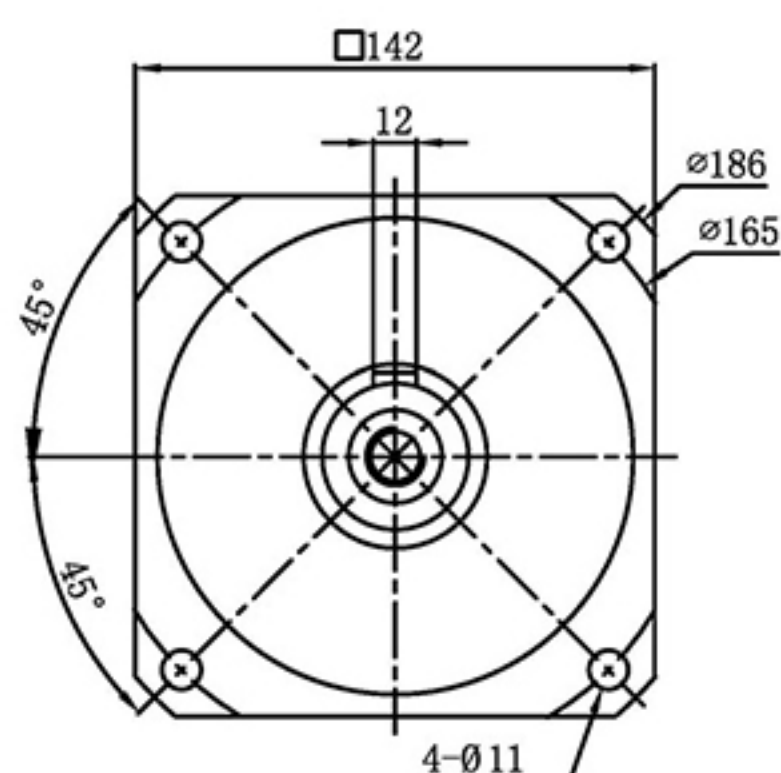
* C1~C10是公制标准马达连接板之尺寸,可根据客户要求单独定做。

* C1~C10are motor (metric standard) specific dimensions, which could be customised.

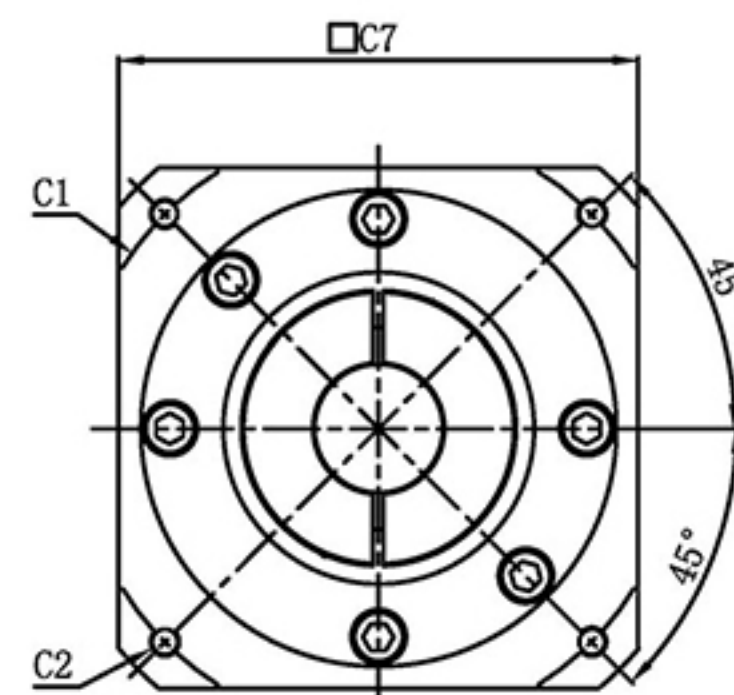
外形尺寸图表 / OUTLINE DIMENSION SHEET

AB142-L1

输出端/OUTPUT

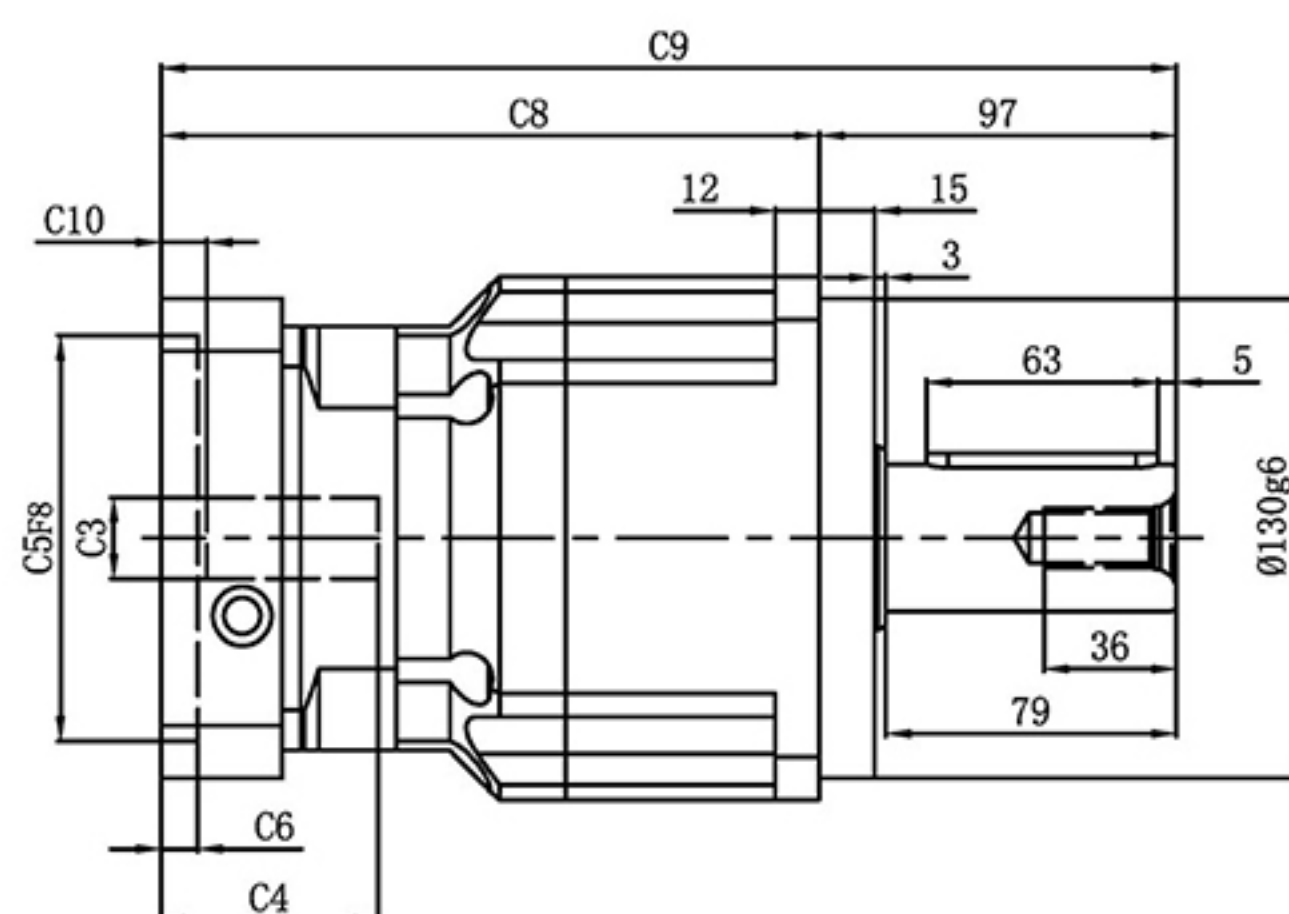
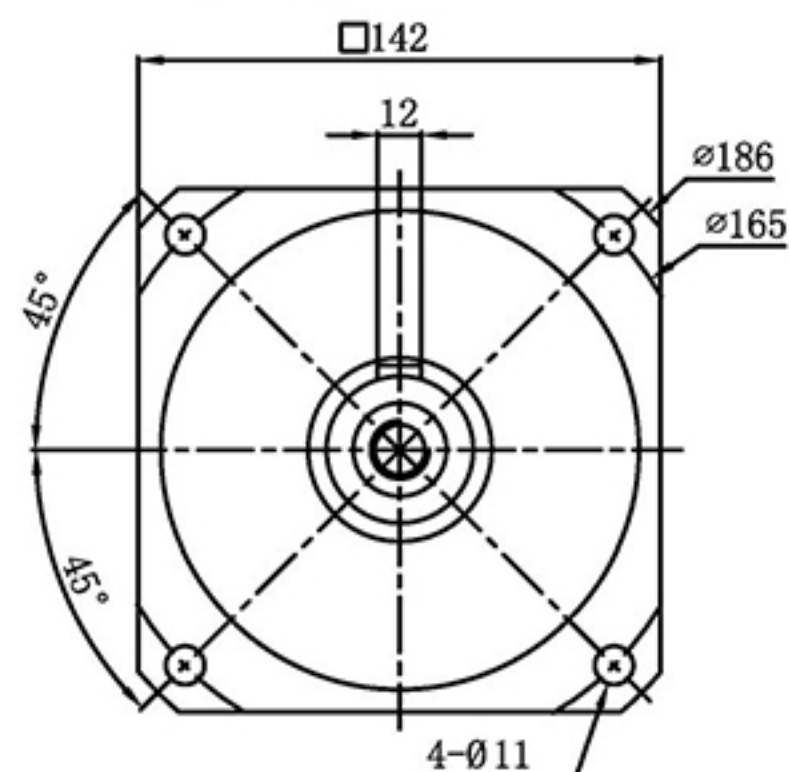


输入端/INPUT

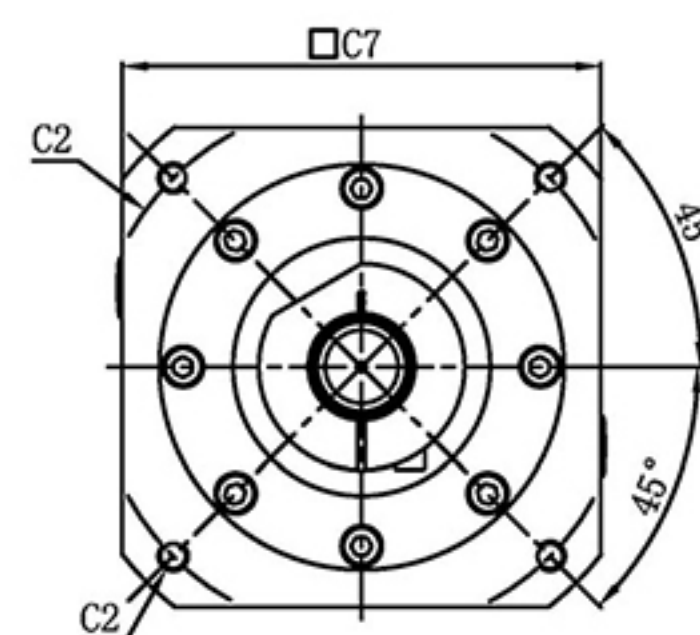


AB142-L2

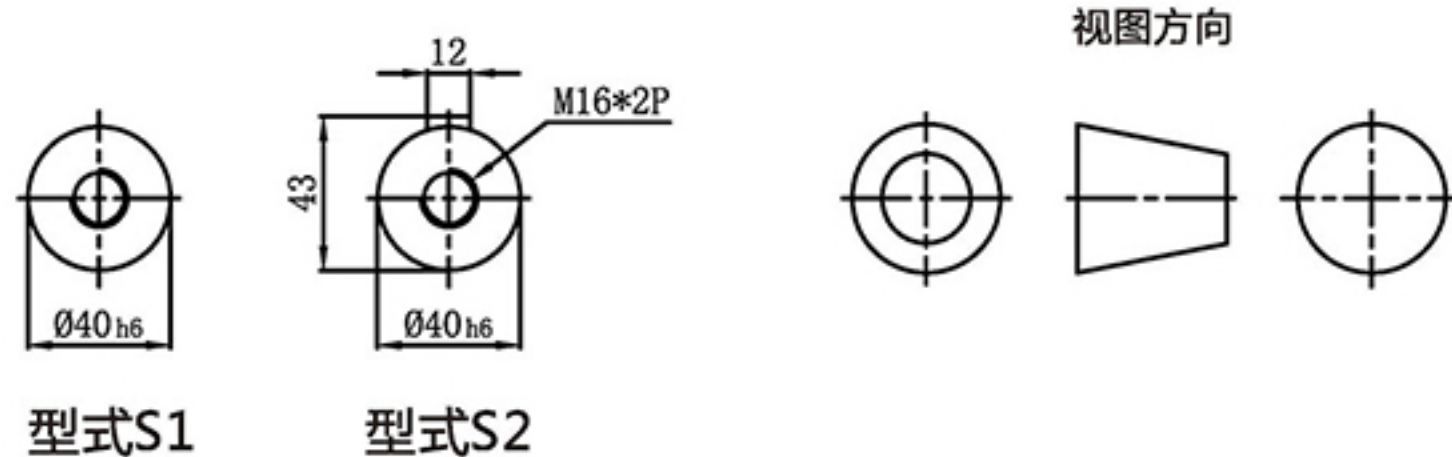
输出端/OUTPUT



输入端/INPUT



输出轴径/Output Diameter



型式S1

型式S2

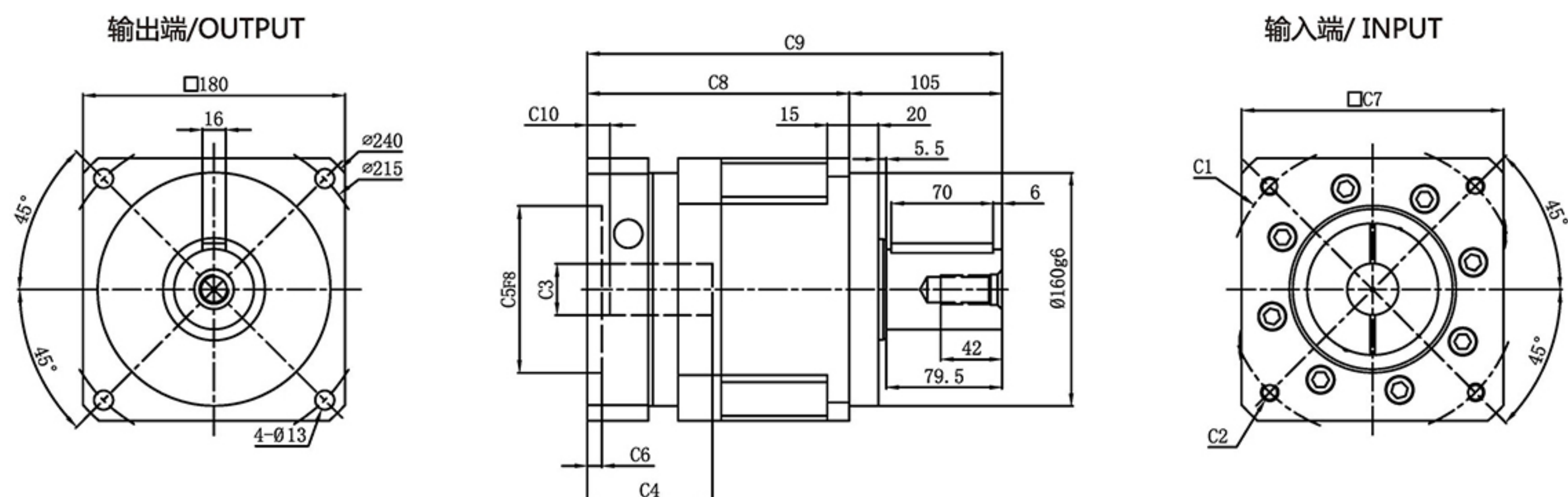
尺寸	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
AB142-L1	φ 130	4-M8x20	≤ φ 24	81	φ 110	10	142	158	255	19.5
	φ 145	4-M8x20	≤ φ 24	81	φ 110	10	142	158	255	19.5
	φ 165	4-M10x25, 4-M12x35	≤ φ 32	81	φ 130	10	142	158	255	19.5
	φ 175	4-M10x25	≤ φ 32	81	φ 130	10	150	158	255	19.5
	φ 185	4-M10x30	≤ φ 35	81	φ 150	8	160	158	255	19.5
	φ 200	4-M12x35	≤ φ 42	83	φ 114.3	8	180	160	257	21.5
	φ 200	4-M12x35	≤ φ 42	115	φ 114.3	8	180	192	289	53.5
AB142-L2	φ 215	4-M12x35, 4-M14x35	≤ φ 42	83	φ 180	8	190	160	257	21.5
	φ 130	4-M8x20	≤ φ 24	59	φ 110	10	130	179	276	12.5
	φ 145	4-M8x20	≤ φ 24	59	φ 110	10	130	179	276	12.5
	φ 165	4-M10x25, 4-M12x35	≤ φ 32	80	φ 130	10	142	204.5	301.5	19.5
	φ 175	4-M10x25	≤ φ 32	80	φ 130	10	150	204.5	301.5	19.5
	φ 185	4-M10x30	≤ φ 35	80	φ 150	8	160	204.5	301.5	19.5
	φ 200	4-M12x35	≤ φ 42	82	φ 114.3	8	180	206.5	303.5	21.5

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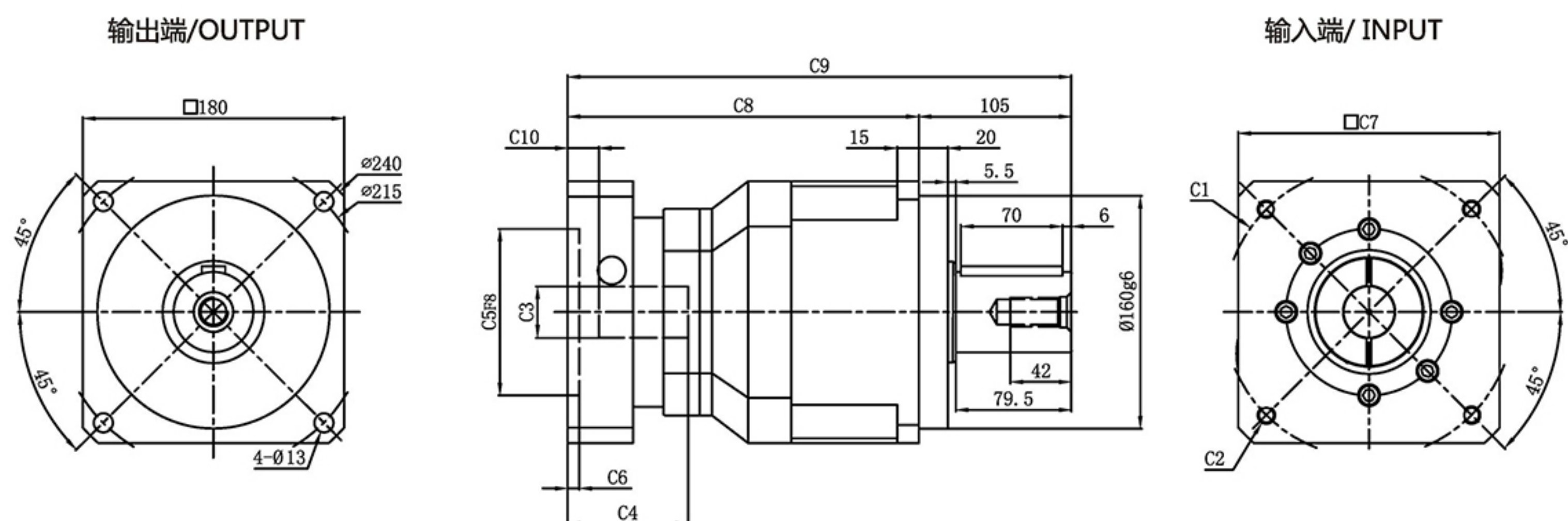
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外形尺寸图表 / OUTLINE DIMENSION SHEET

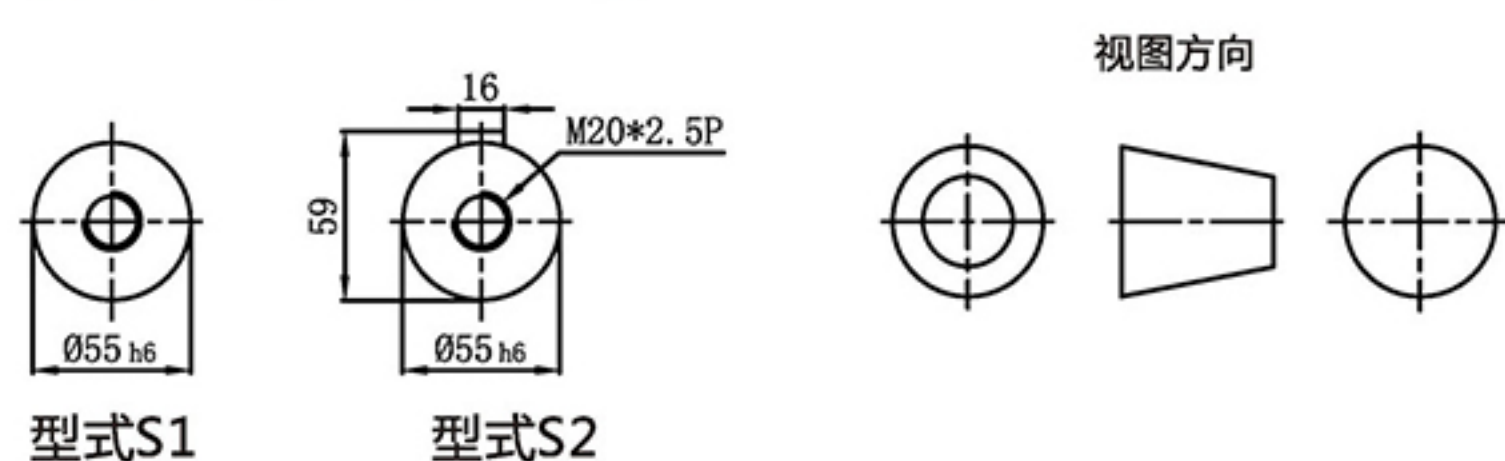
AB180-L1



AB180-L2



输出轴径/Output Diameter



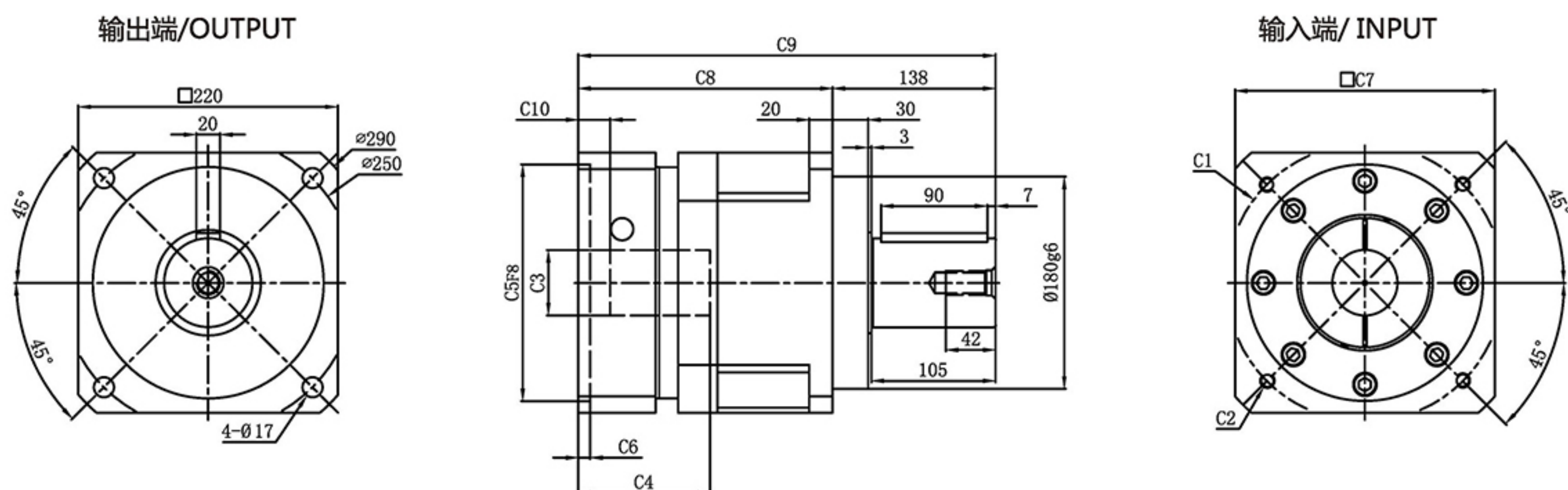
尺寸	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
AB180-L1	φ 165	4-M10x25, 4-M12x35	≤ φ 32	86	φ 130	10	180	180	285	15.5
	φ 200	4-M12x35	≤ φ 42	86	φ 114.3	10	180	180	285	15.5
	φ 200	4-M12x35	≤ φ 42	118	φ 114.3	10	180	212	317	47.5
	φ 215	4-M14x35	≤ φ 42	86	φ 180	10	190	180	285	15.5
	φ 215	4-M14x35	≤ φ 42	118	φ 180	10	190	212	317	47.5
	φ 235	4-M10x30, 4-M14x35	≤ φ 55	118	φ 200	10	220	212	317	47.5
AB180-L2	φ 130	4-M8x20	≤ φ 24	81	φ 110	10	142	240	345	19.5
	φ 145	4-M8x20	≤ φ 24	81	φ 110	10	142	240	345	19.5
	φ 165	4-M10x25, 4-M12x35	≤ φ 32	86	φ 130	8	180	242	347	21.5
	φ 200	4-M12x35	≤ φ 42	83	φ 114.3	8	180	242	347	21.5
	φ 200	4-M10x25, 4-M12x35	≤ φ 42	115	φ 114.3	8	180	274	379	53.5
	φ 215	4-M14x35	≤ φ 42	83	φ 180	8	190	242	347	21.5
	φ 215	4-M14x35	≤ φ 42	115	φ 180	8	190	274	379	53.5
	φ 235	4-M10x30, 4-M14x35	≤ φ 55	118	φ 200	10	220	274	379	47.5

* C1~C10是公制标准马达连接板之尺寸,可根据客户要求单独定做。

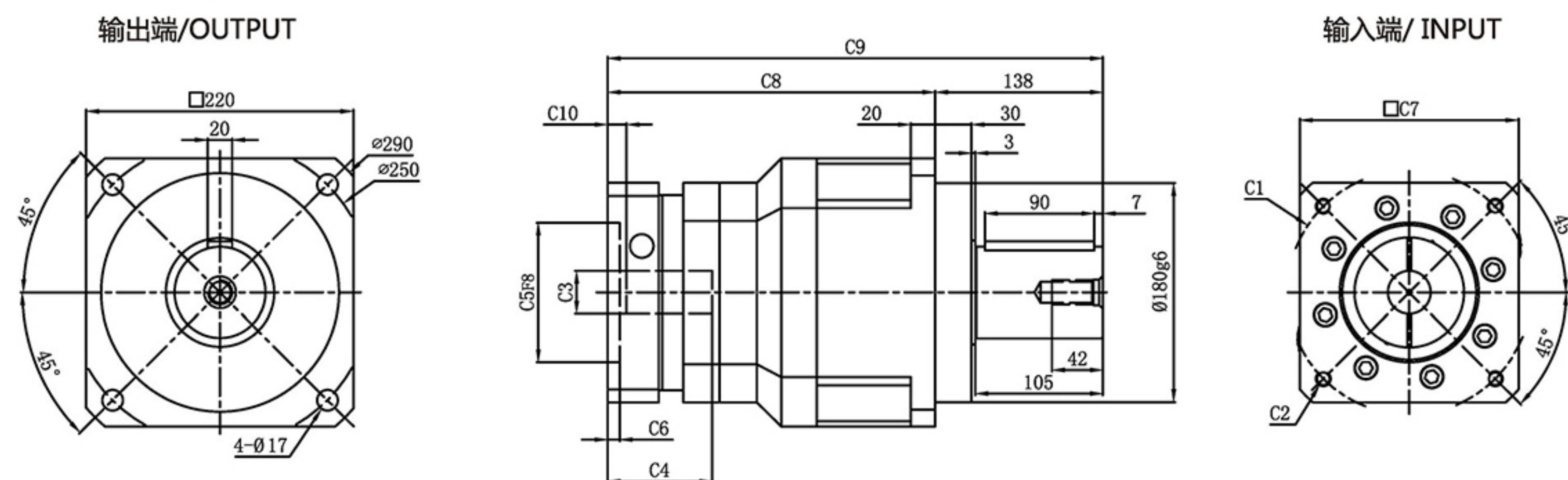
* C1~C10are motor (metric standard) specific dimensions, which could be customised.

外形尺寸图表 / OUTLINE DIMENSION SHEET

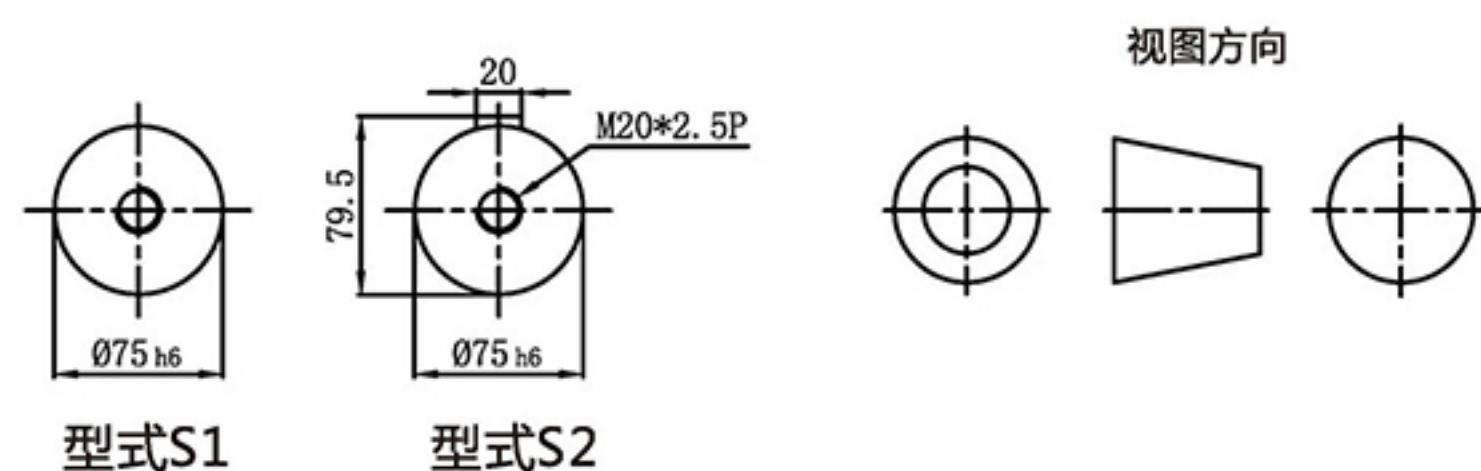
AB220-L1



AB220-L2



输出轴径/Output Diameter



尺寸	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
AB220-L1	φ 200	4-M12x35	≤ φ 42	119	φ 114.3	10	220	215.5	353.5	27
	φ 215	4-M14x35	≤ φ 42	119	φ 180	10	220	215.5	353.5	27
	φ 235	4-M12x35, 4-M14x35	≤ φ 55	119	φ 200	10	220	215.5	353.5	27
AB220-L2	φ 165	4-M10x25, 4-M12x35	≤ φ 32	86	φ 130	10	180	269.5	407.5	15.5
	φ 200	4-M12x35	≤ φ 42	86	φ 114.3	10	180	269.5	407.5	15.5
	φ 200	4-M12x35	≤ φ 42	118	φ 114.3	10	180	301.5	439.5	47.5
	φ 215	4-M12x35, 4-M14x35	≤ φ 42	86	φ 180	10	190	269.5	407.5	15.5
	φ 215	4-M12x35, 4-M14x35	≤ φ 42	118	φ 180	10	190	301.5	439.5	47.5
	φ 235	4-M12x35, 4-M14x35	≤ φ 55	118	φ 200	10	220	301.5	439.5	47.5

* C1~C10是公制标准马达连接板之尺寸,可根据客户要求单独定做。

* C1~C10 are motor (metric standard) specific dimensions, which could be customised.

减速机性能资料 / GEAR BOX PERFORMANCE INFORMATION

规格Specifications	单位unit	节数Stage	减速比Ratio	ABR042	ABR060	ABR090	ABR115	ABR142	ABR180	ABR220
额定输出力矩T2N Nominal Output Torque	N.m	1	3	19	53	145	290	520	950	1550
			4	20	55	150	300	550	1050	1700
			5	17	54	140	290	650	1200	2000
			6	19	53	145	290	520	1100	1550
			7	14	44	125	270	550	1100	1500
			8	20	55	150	300	550	1050	1450
			9	11	37	95	220	360	—	—
			10	11	37	95	220	650	1200	2000
			14	14	44	125	270	550	1100	1450
			18	11	37	95	220	360	—	—
			20	11	37	95	220	360	800	1250
		2	12	19	53	145	290	520	950	1550
			15	19	53	145	290	520	950	1550
			20	20	55	150	300	550	1050	1700
			25	17	54	140	290	650	1200	2000
			30	19	53	145	290	520	950	1550
			35	17	54	140	290	650	1200	2000
			40	20	55	150	300	550	1050	1700
			45	17	54	140	290	650	—	—
			50	17	54	140	290	650	1200	2000
			70	17	54	140	290	650	1200	2000
			90	17	54	140	290	650	—	—
			100	17	54	140	290	650	1200	2000
急停力矩T2NOT Emergency Stop Torque	N.m	1、2	3 ~ 100	3倍额定输出力矩 (3.0 times of Nominal Output Torque)						
额定输入转速n1 Nominal Input Speed	rpm	1、2	3 ~ 100	5000	3000	3000	3000	3000	1500	1500
最大输入转速n1max Max.Input Speed	rpm	1、2	3 ~ 100	10000	6000	6000	6000	6000	3000	3000
超精密背隙P0 Ultraprecise Backlash	arcmin	1	3 ~ 10	≤5	≤5	≤5	≤5	≤5	≤5	≤5
		2	12 ~ 100	≤8	≤8	≤8	≤8	≤8	≤8	≤8
精密背隙P1 Precise Backlash	arcmin	1	3 ~ 10	≤7	≤7	≤7	≤7	≤7	≤7	≤7
		2	12 ~ 100	≤10	≤10	≤10	≤10	≤10	≤10	≤10
标准背隙P2 Standard Backlash	arcmin	1	3 ~ 10	≤9	≤9	≤9	≤9	≤9	≤9	≤9
		2	12 ~ 100	≤12	≤12	≤12	≤12	≤12	≤12	≤12
扭转刚性 Torsional Rigidity	N.m /arcmin	1、2	3 ~ 100	2.5	6	12	23	45	148	220
容许径向力F2rB Max.Radial Load	N	1、2	3 ~ 100	515	1010	1780	3420	5380	8330	11120
容许轴向力F2aB Max.Axial Load	N	1、2	3 ~ 100	410	600	1500	2650	4670	6460	8560
使用温度 Operating Temp	° C	1、2	3 ~ 100	-10° C ~ +90° C						
使用寿命 Service Life	hr	1、2	3 ~ 100	20,000 (10,000/连续运转continuiu operationg)						
效率η Efficiency	%	1	3 ~ 10	≥95%						
		2	12 ~ 100	≥92%						
重量 Weight	kg	1	3 ~ 10	1	1.3	3.5	7.8	16.1	30.0	58.0
		2	12 ~ 100	1.4	2.0	5.6	9.5	19.0	42.0	67.0
安装方向 mounting Position	—	1、2	3 ~ 100	任意方向 Any direction						
噪音值 Noise Level	dBA/1m	1、2	3 ~ 100	62	63	65	70	70	73	75
防护等级 Protection Class	—	1、2	3 ~ 100	Ip65						
润滑 Lubrication		1、2	3 ~ 100	全合成润滑脂油 Synthetic Lubricant						

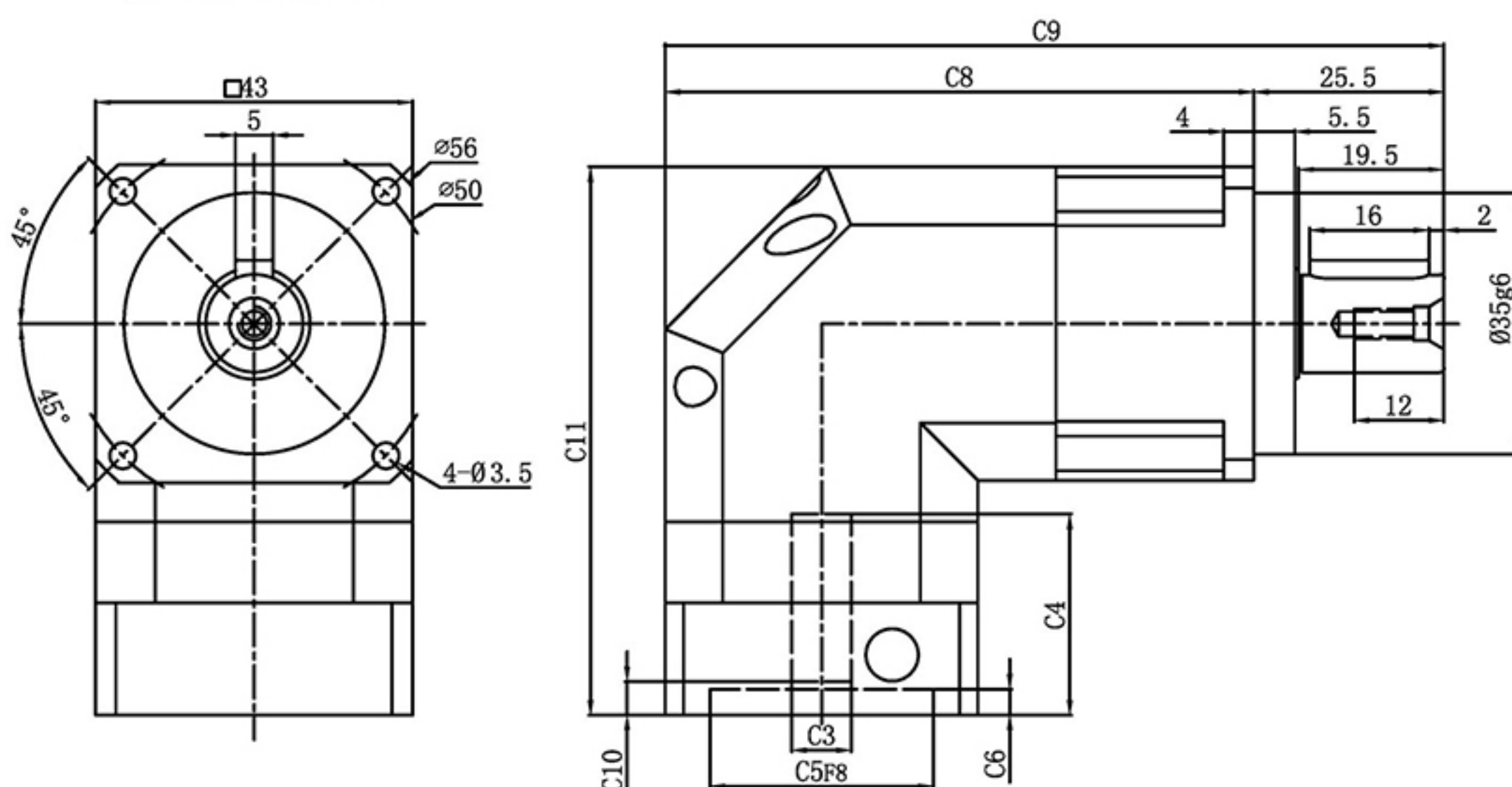
减速机转动惯量

规格Specifications	单位unit	节数Stage	减速比Ratio	ABR042	ABR060	ABR090	ABR115	ABR142	ABR180	ABR220
转动惯量J1 Inertia	kg.cm2	1	3	0.06	0.23	0.98	2.36	10.10	31.00	79.63
			4	0.06	0.18	0.68	1.68	7.30	26.00	59.30
			5	0.06	0.17	0.66	1.55	6.58	23.80	54.86
			6/7/8	0.05	0.15	0.60	1.48	6.22	23.00	54.32
			9/10/14/18/20	0.06	0.14	0.58	1.45	6.15	22.90	54.00
		2	12/15/18/20/25	0.05	0.18	0.68	2.40	6.52	24.27	54.37
			30/35/40	0.05	0.15	0.68	1.68	6.52	23.82	54.37
			45/50/70	0.05	0.15	0.60	1.51	6.21	22.94	53.30
			80/90/100	0.05	0.14	0.60	1.41	6.10	22.75	52.45

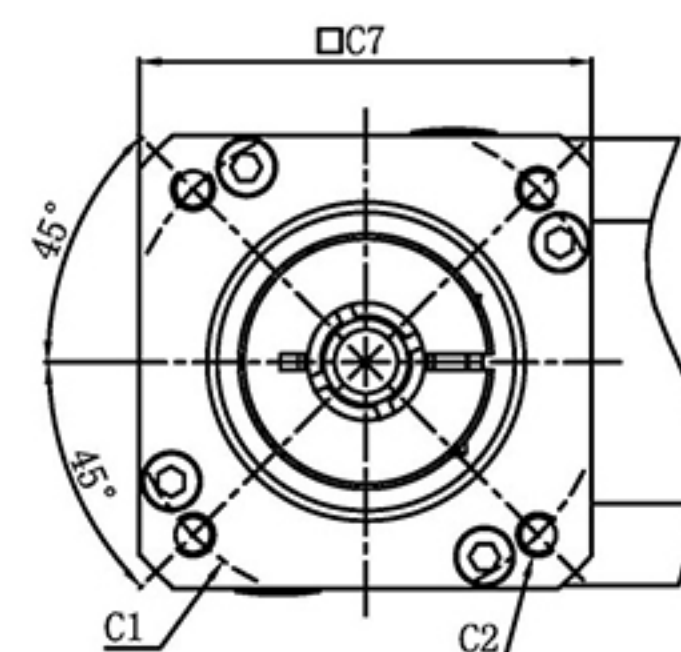
外形尺寸图表 / OUTLINE DIMENSION SHEET

ABR042-L1

输出端/OUTPUT

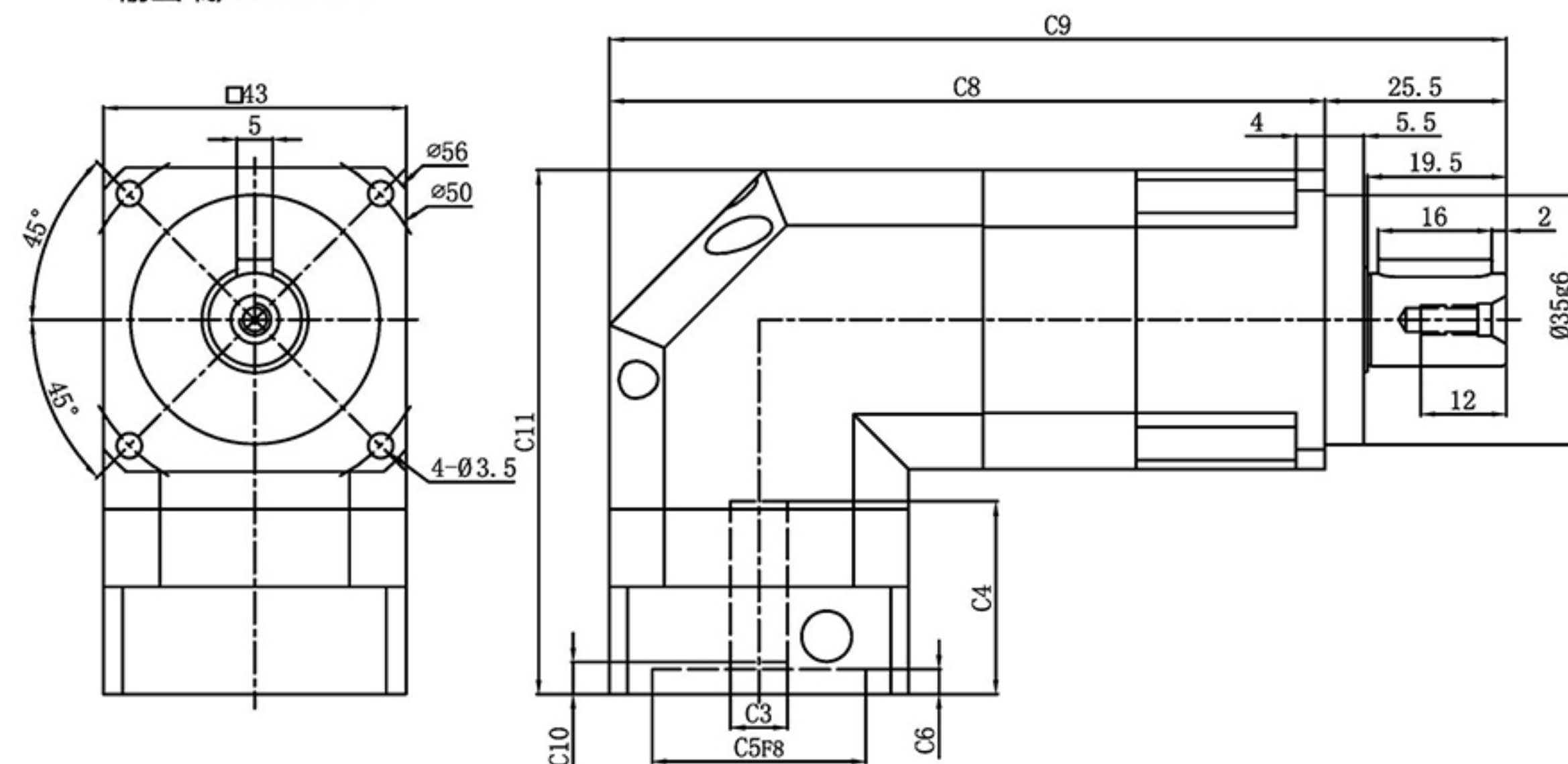


输入端/ INPUT

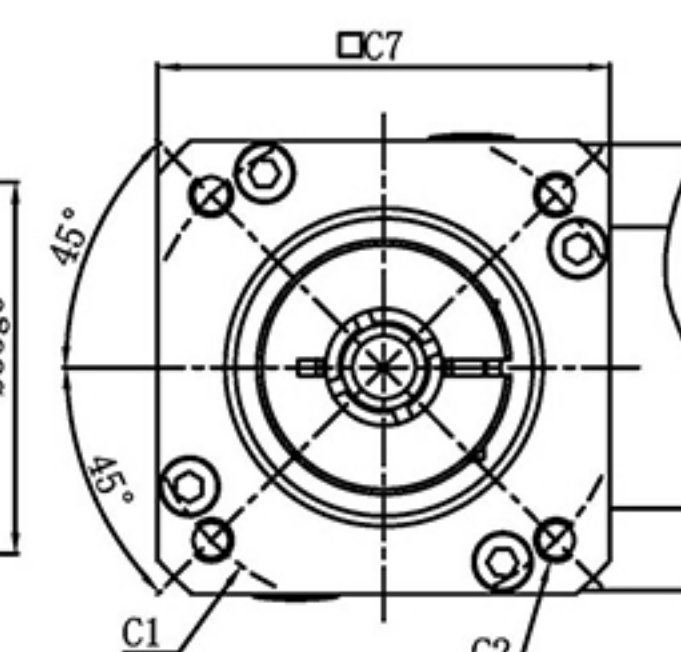


ABR042-L2

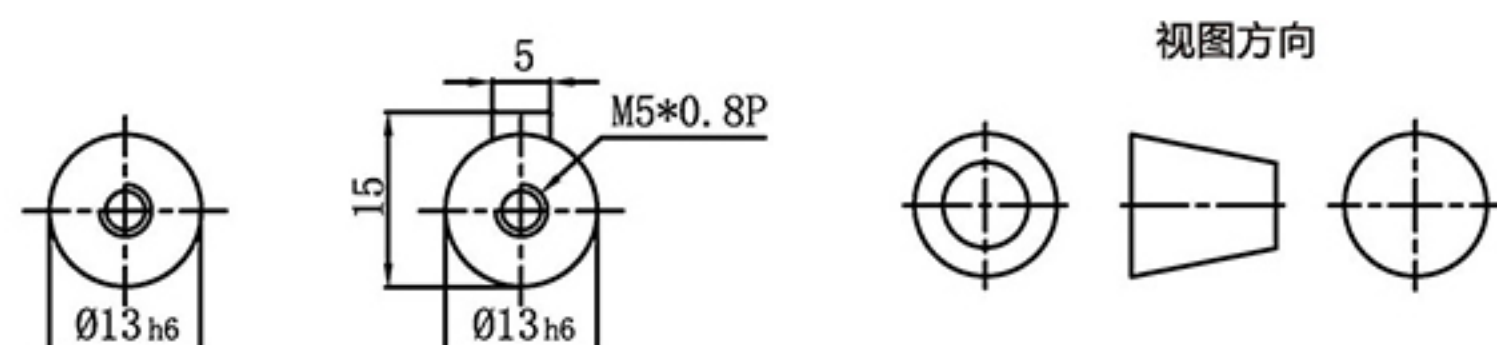
输出端/OUTPUT



输入端/ INPUT



输出轴径/Output Diameter



型式S1

型式S2

尺寸	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11
ABR042-L1	φ 45	4-M3x8	≤ φ 8	27	φ 30	3.5	43	80	105.5	4.5	73.5
	φ 46	4-M4x10	≤ φ 8	27	φ 30	3.5	43	80	105.5	4.5	73.5
ABR042-L2	φ 45	4-M3x8	≤ φ 8	27	φ 30	3.5	43	102.5	128	4.5	73.5
	φ 46	4-M4x10	≤ φ 8	27	φ 30	3.5	43	102.5	128	4.5	73.5

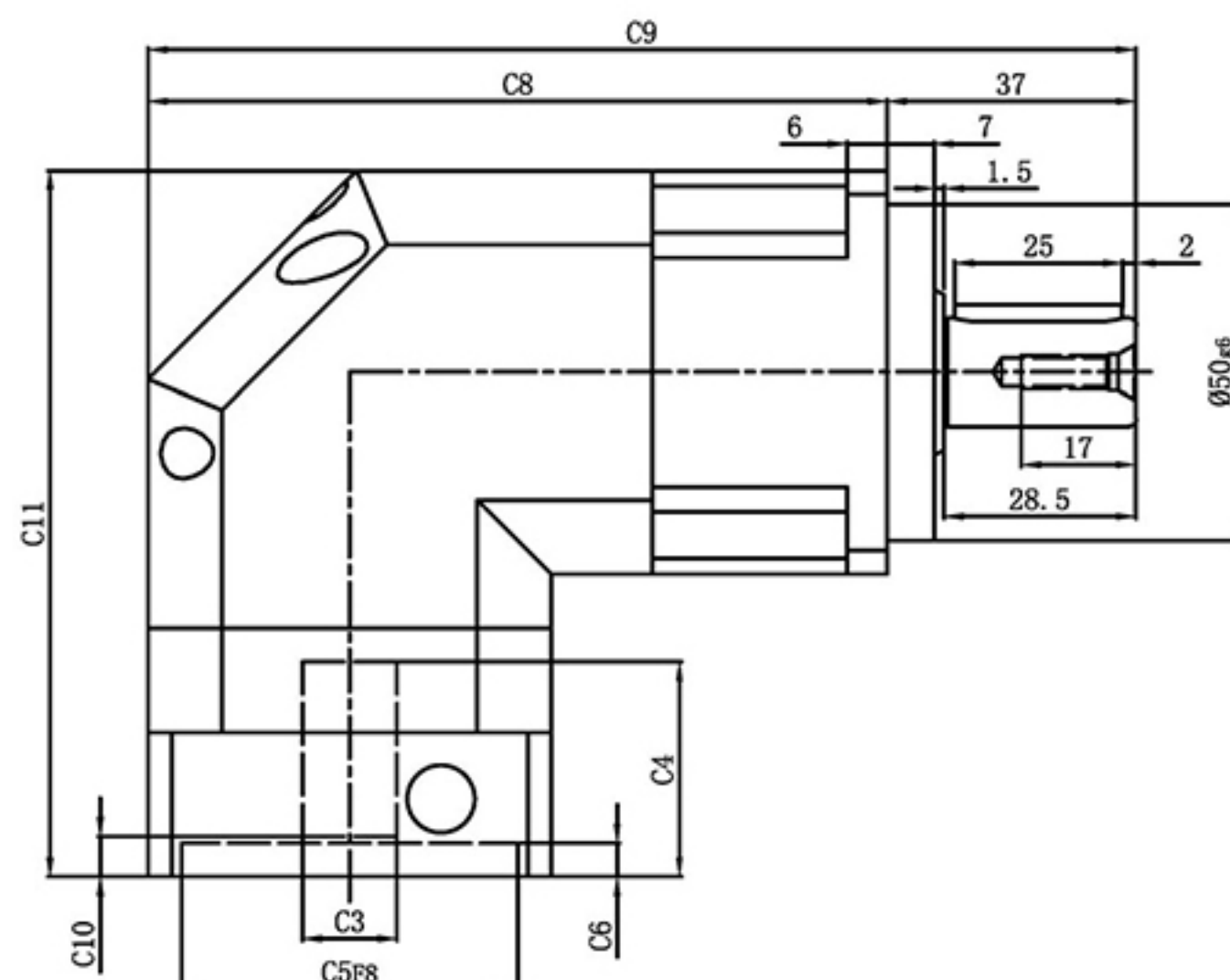
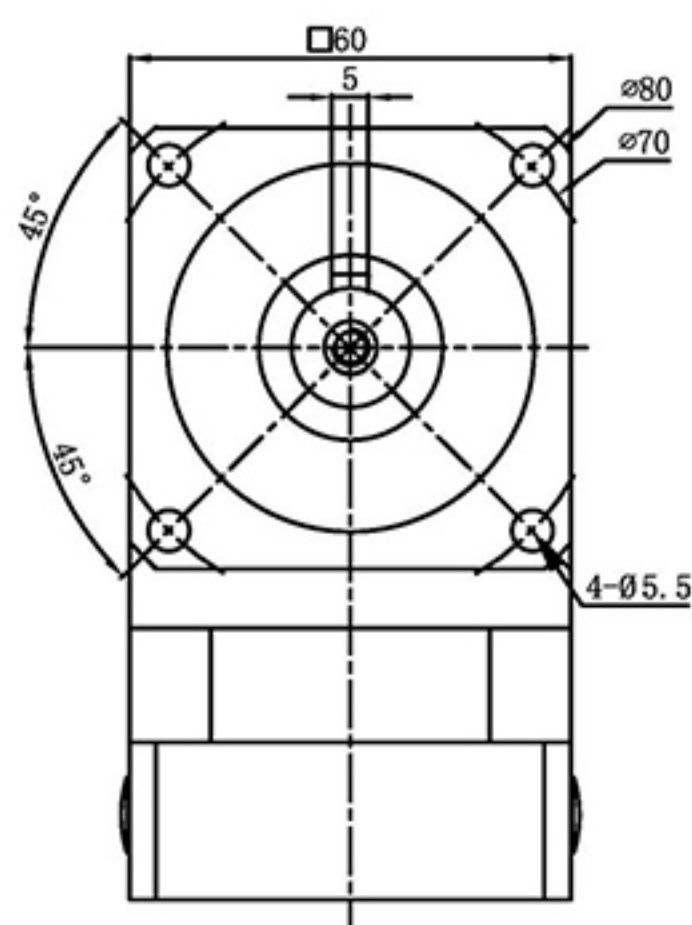
* C1~C11 是公制标准马达连接板之尺寸,可根据客户要求单独定做。

* C1~C11 are motor (metric standard) specific dimensions, which could be customised.

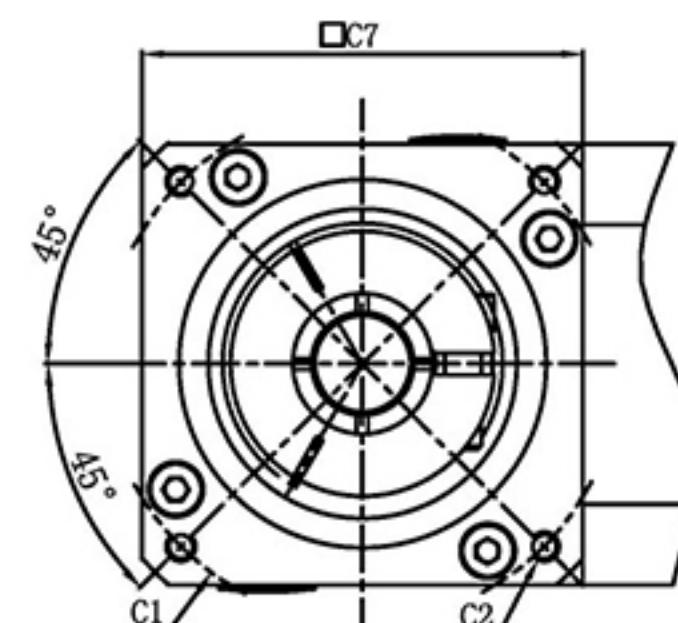
外形尺寸图表 / OUTLINE DIMENSION SHEET

ABR060-L1

输出端/OUTPUT

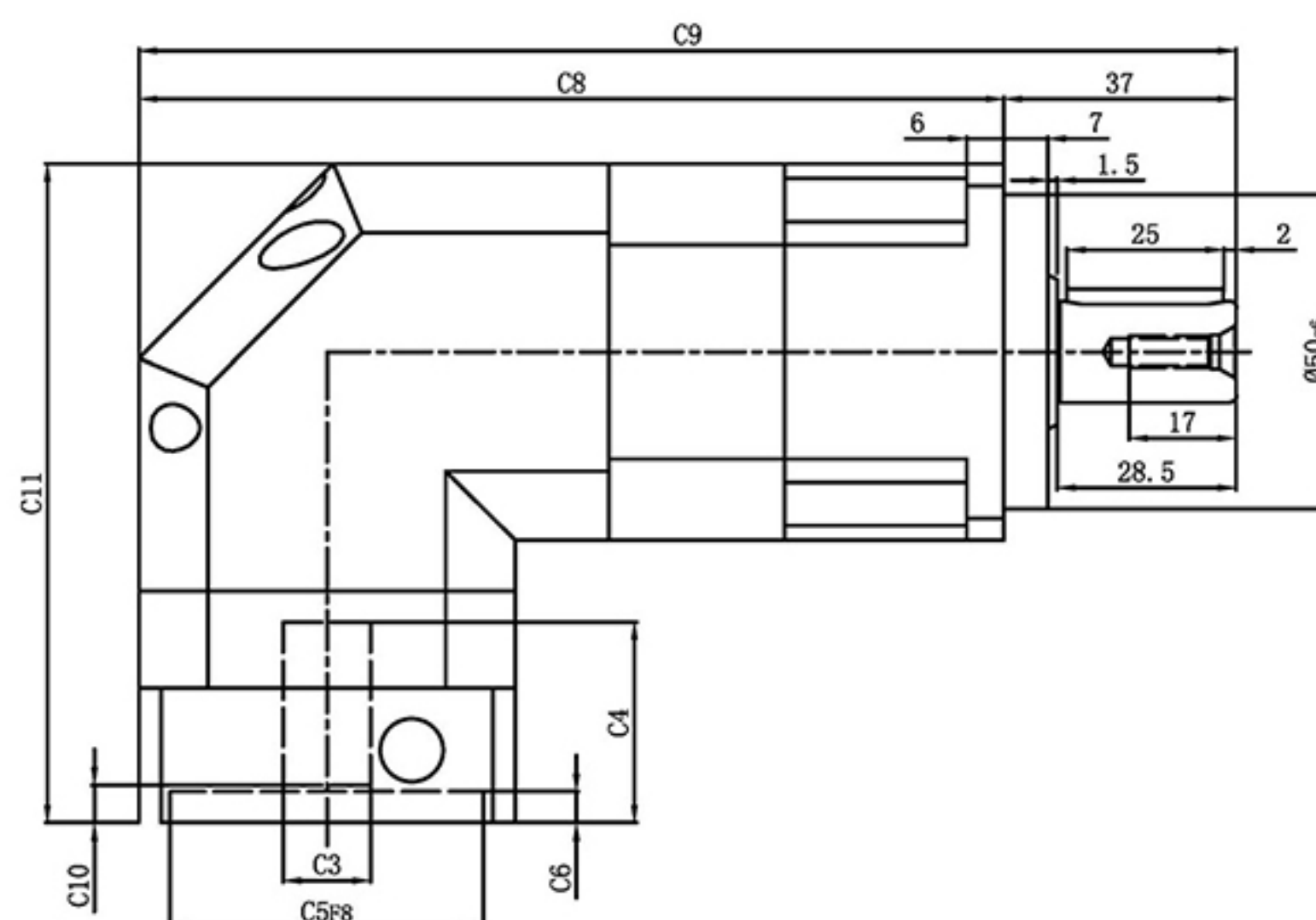
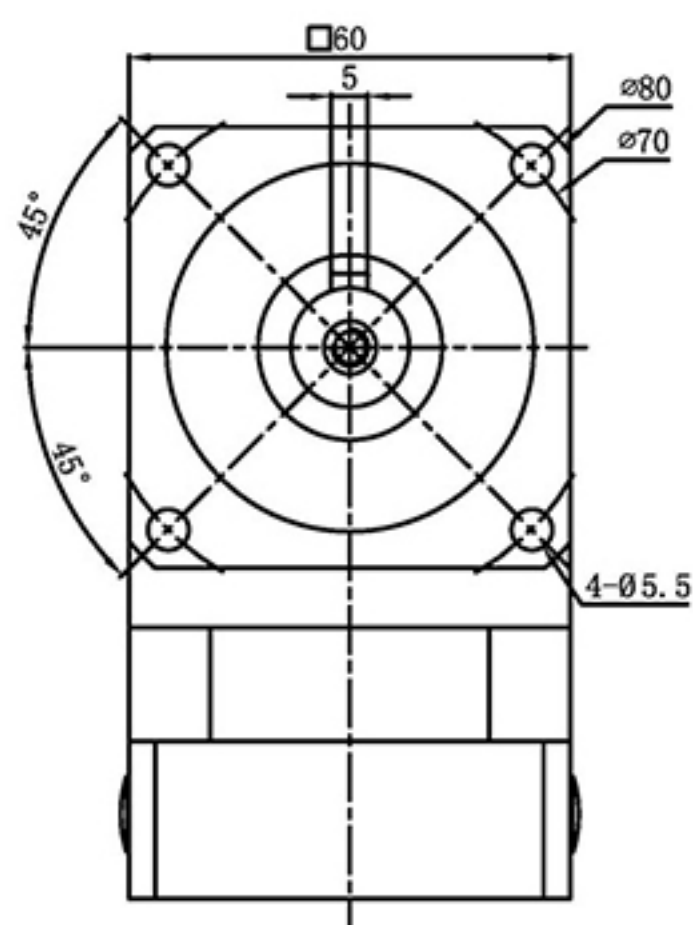


输入端/INPUT

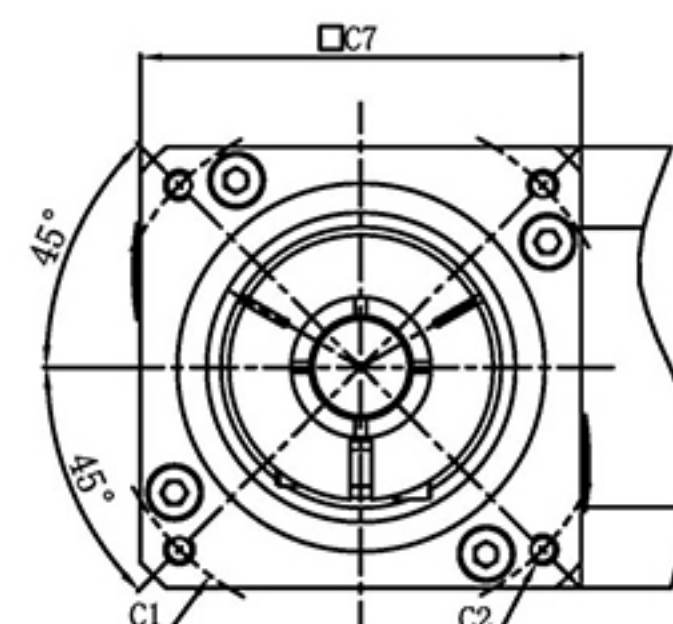


ABR060-L2

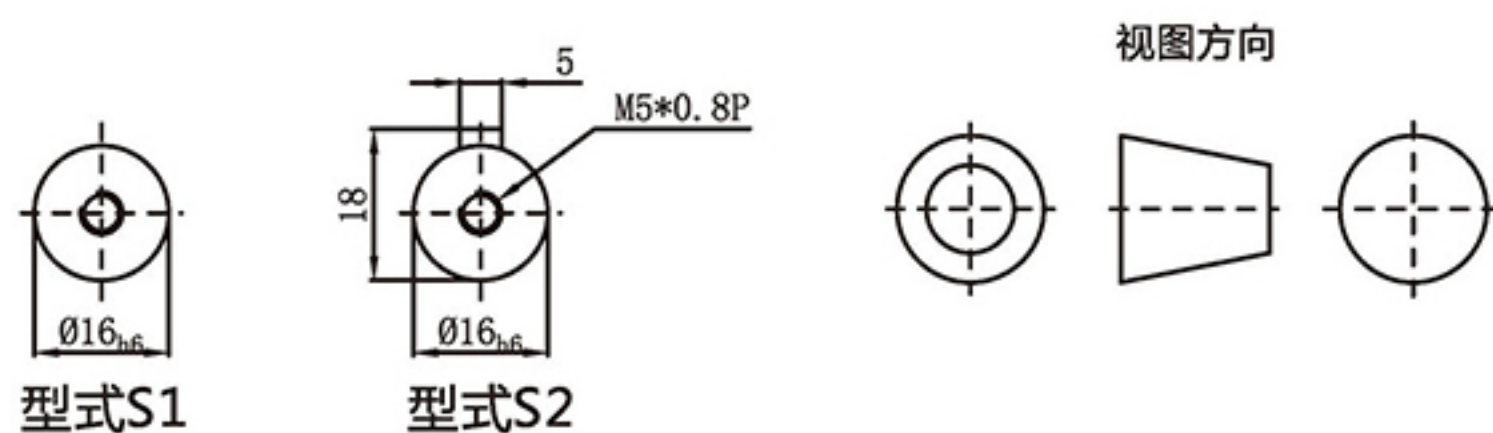
输出端/OUTPUT



输入端/INPUT



输出轴径/Output Diameter



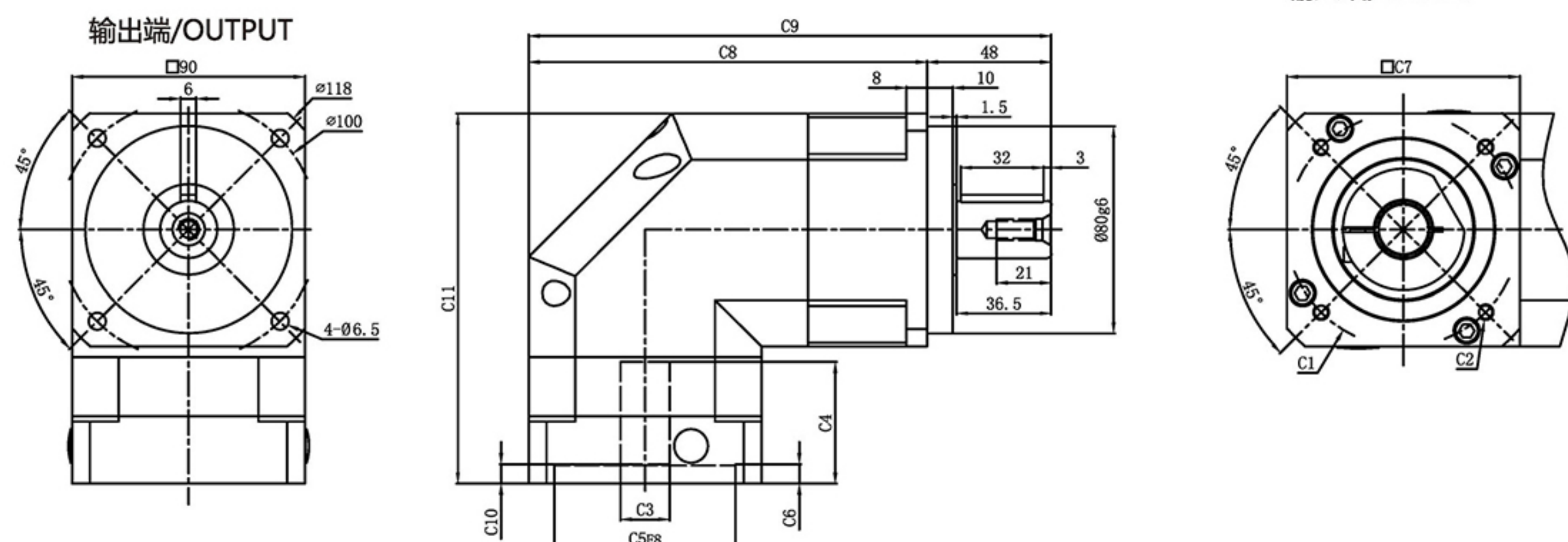
尺寸	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11
ABR060-L1	φ 46	4-M4x12,4-M5x12	≤ φ 8	37.5	φ 30	10.5	60	110	147	11.5	110.5
	φ 66.7	4-M4x12	≤ φ 8	32	φ 38.1	5	60	110	147	5.5	105
	φ 70	4-M4x10,4-M5x12	≤ φ 14	32	φ 50	5	60	110	147	6	105
	φ 75	4-M4x12,4-M5x12	≤ φ 14	32	φ 60	5	66	110	150	6	105
	φ 90	4-M6x15	≤ φ 19	42	φ 70	7	80	110	160	11	117
	φ 100	4-M6x15	≤ φ 19	44	φ 80	7	90	110	160	11	117
ABR060-L2	φ 46	4-M4x12,4-M5x12	≤ φ 8	37.5	φ 30	10.5	60	138	175	11.5	110.5
	φ 66.7	4-M4x12	≤ φ 8	32	φ 38.1	5	60	138	175	5.5	105
	φ 70	4-M4x10,4-M5x12	≤ φ 14	32	φ 50	5	60	138	175	6	105
	φ 75	4-M4x12,4-M5x12	≤ φ 14	32	φ 60	5	66	138	178	6	105
	φ 90	4-M6x15	≤ φ 19	42	φ 70	7	80	138	188	11	117
	φ 100	4-M6x15	≤ φ 19	44	φ 80	7	90	138	188	11	117

* C1~C11 是公制标准马达连接板之尺寸,可根据客户要求单独定做。

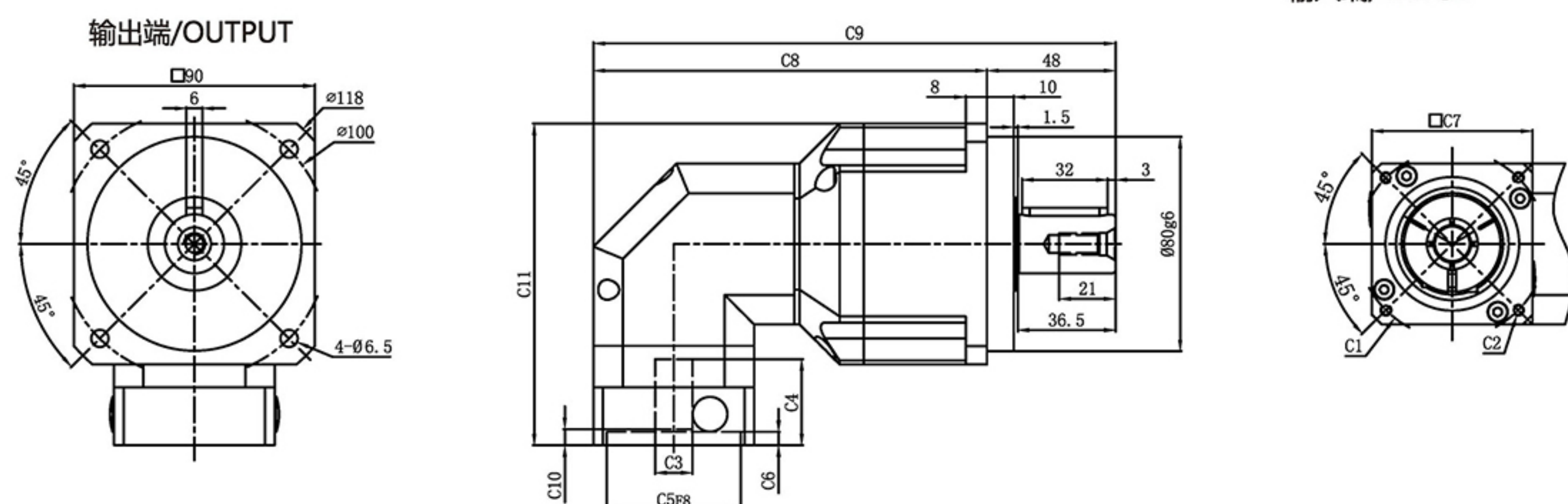
* C1~C11 are motor (metric standard) specific dimensions, which could be customised.

外形尺寸图表 / OUTLINE DIMENSION SHEET

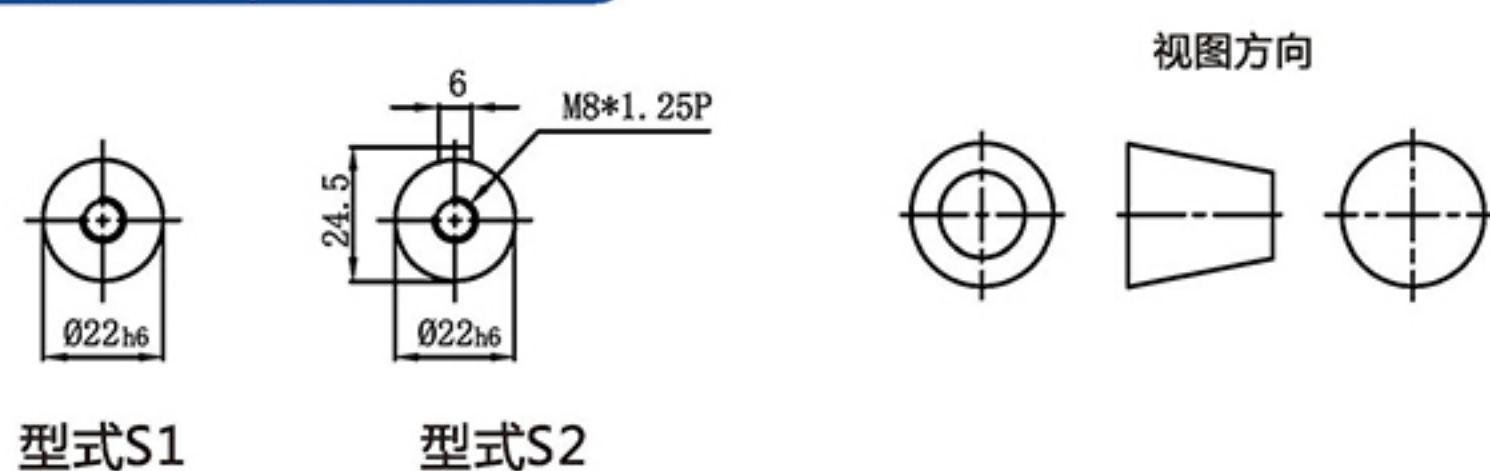
ABR090-L1



ABR090-L2



输出轴径/Output Diameter



尺寸	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11
ABR090-L1	φ 70	4-M4x10,4-M5x12	≤ φ 14	47	φ 50	4	90	154	202	6.5	143
	φ 75	4-M4x12,4-M5x12	≤ φ 14	47	φ 60	5.5	90	154	202	6.5	143
	φ 90	4-M5x15,4-M6x15	≤ φ 19	47	φ 70	7	90	154	202	7.5	143
	φ 98.4	4-M5x15,4-M6x15	≤ φ 14	47.5	φ 73	7	90	154	202	7.5	143
	φ 98.4	4-M6x15	≤ φ 14	47.5	φ 60	7	90	154	202	7.5	143
	φ 100	4-M6x15	≤ φ 19	47.5	φ 80	7	90	154	202	12.5	143
	φ 115	4-M8x20	≤ φ 24	59	φ 95	10	100	154	207	12.5	155
	φ 130	4-M8x20	≤ φ 24	59	φ 95	10	115	154	214.5	12.5	155
	φ 145	4-M8x20	≤ φ 24	59	φ 110	10	130	154	262	12.5	155
ABR090-L2	φ 145	4-M8x20	≤ φ 24	68	φ 110	10	130	154	262	21.5	164
	φ 70	4-M4x10,4-M5x12	≤ φ 14	32	φ 50	5	60	147	195	6	120
	φ 75	4-M4x12,4-M5x12	≤ φ 14	32	φ 60	5	66	147	198	6	120
	φ 90	4-M5x15,4-M6x15	≤ φ 19	42	φ 70	7	80	147	205	11	132
	φ 98.4	4-M5x15,4-M6x15	≤ φ 14	42	φ 73	7	90	147	210	11	132
	φ 98.4	4-M6x15	≤ φ 14	42	φ 60	7	90	147	210	11	132
	φ 100	4-M6x15	≤ φ 19	42	φ 80	7	90	147	210	11	132
	φ 115	4-M8x20	≤ φ 24	59	φ 95	10	100	194	267	12.5	155
	φ 130	4-M8x20	≤ φ 24	59	φ 95	10	115	194	254.5	12.5	155
	φ 145	4-M8x20	≤ φ 24	59	φ 110	10	130	194	272	12.5	155
	φ 145	4-M8x20	≤ φ 24	68	φ 110	10	130	194	272	21.5	164

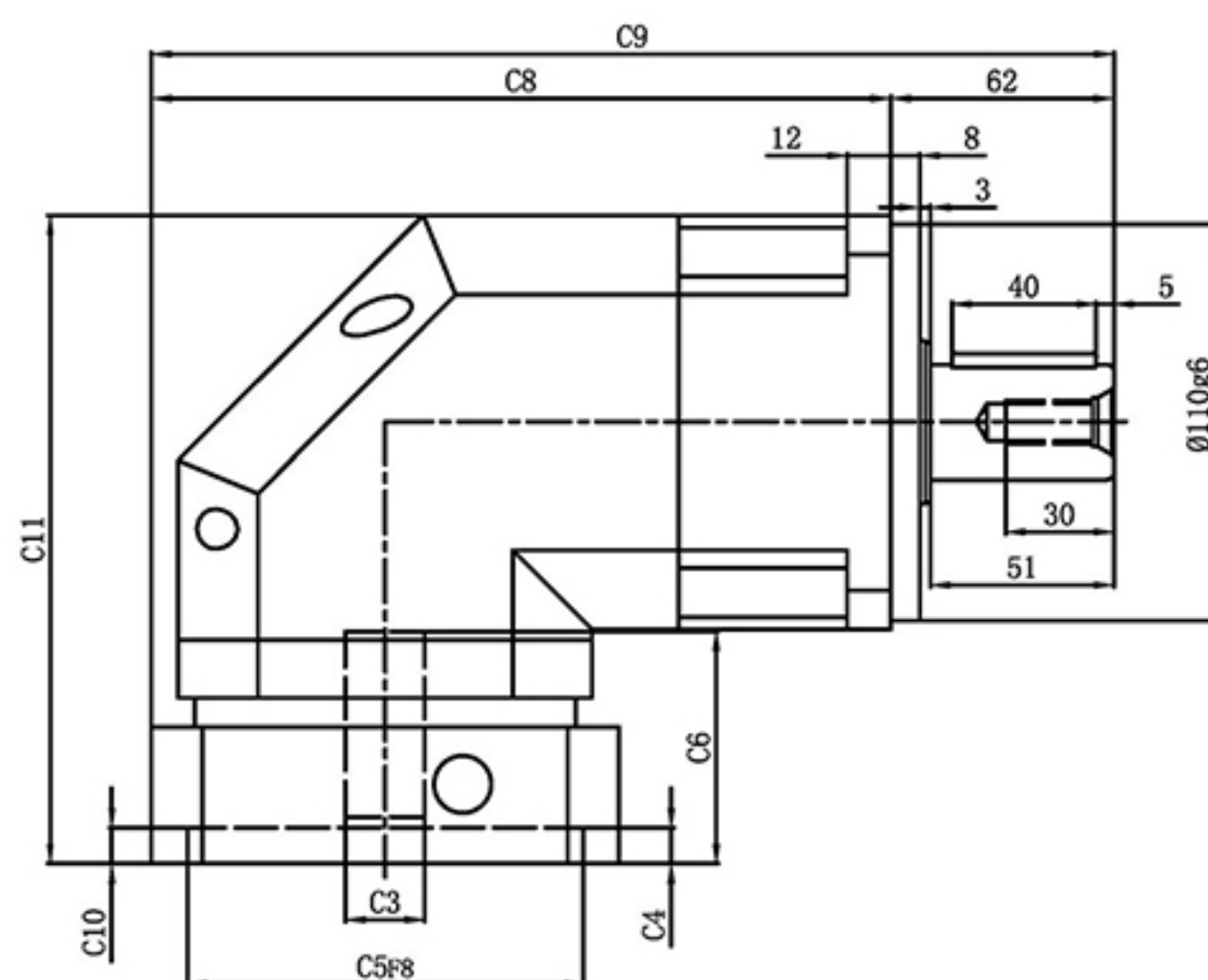
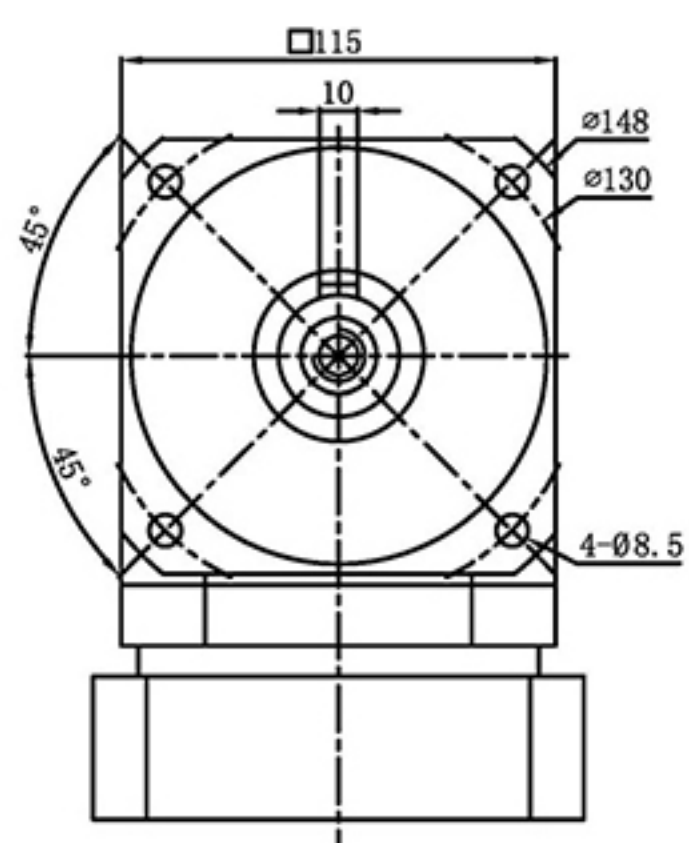
* C1~C11 是公制标准马达连接板之尺寸,可根据客户要求单独定做。

* C1~C11 are motor (metric standard) specific dimensions, which could be customised.

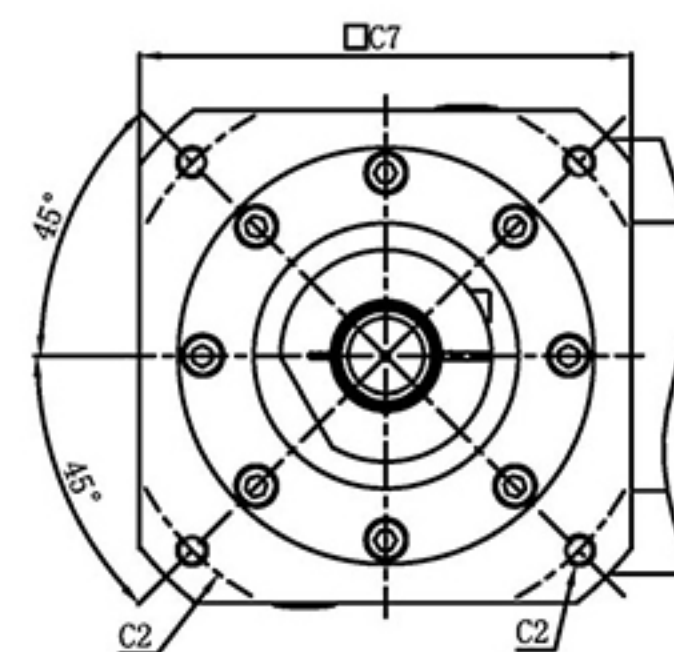
外形尺寸图表 / OUTLINE DIMENSION SHEET

ABR115-L1

输出端/OUTPUT

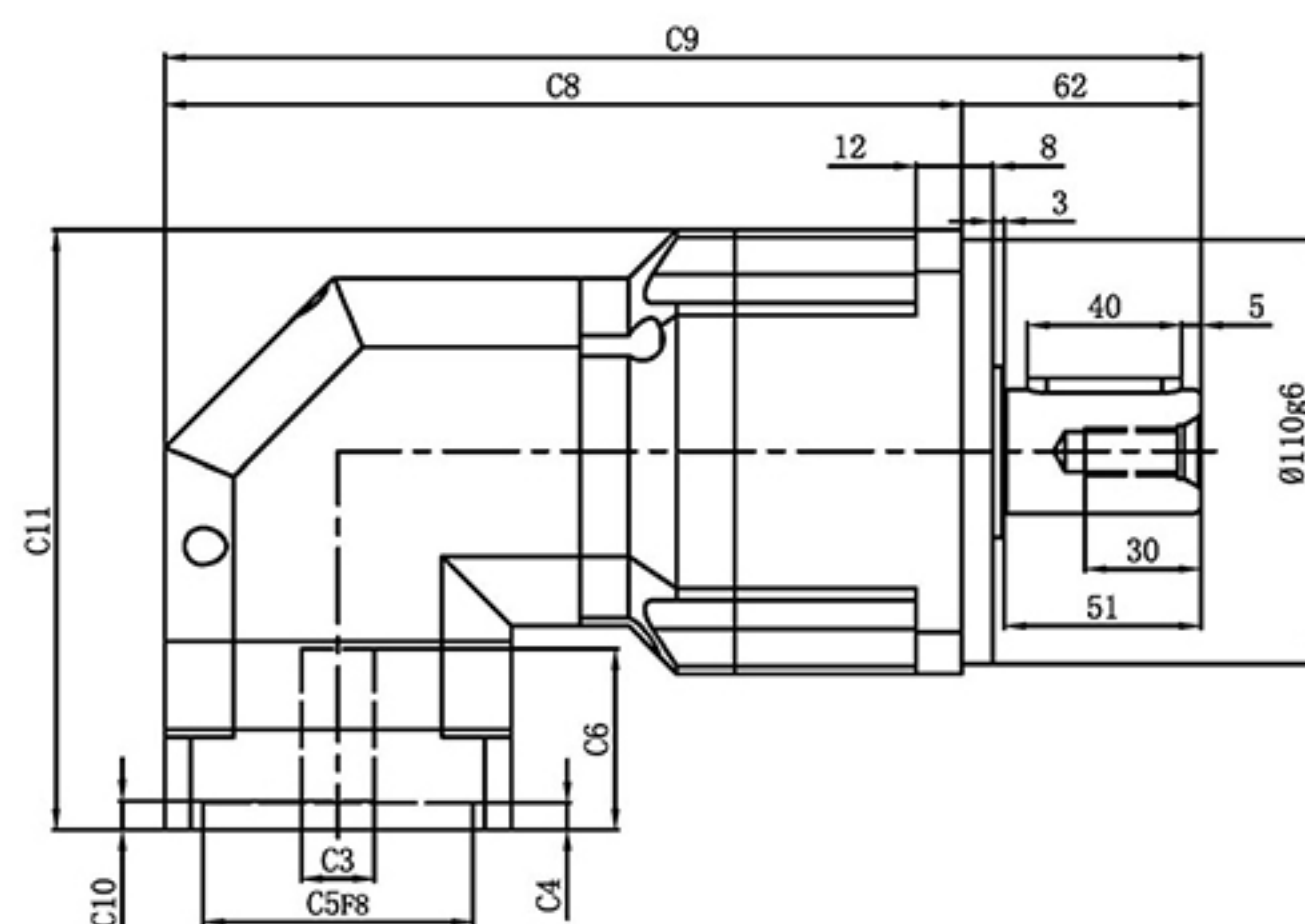
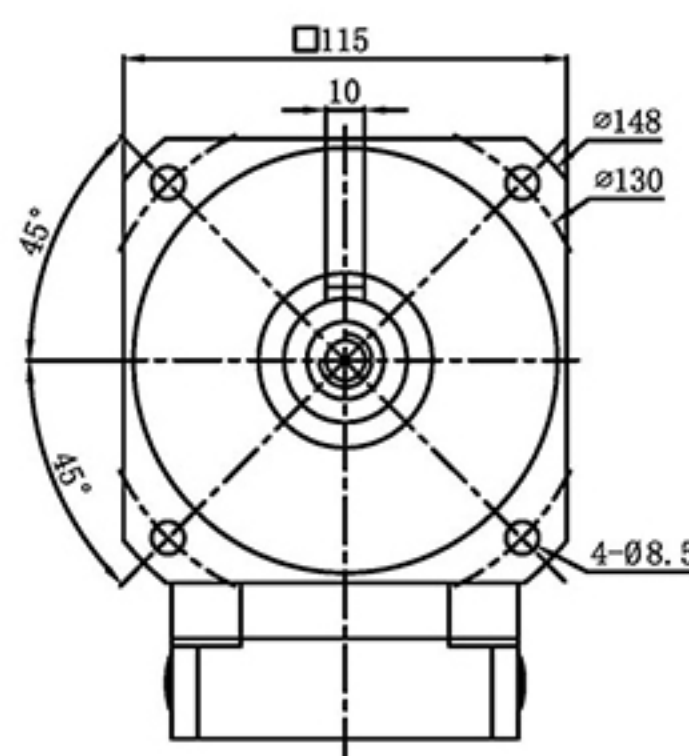


输入端/INPUT

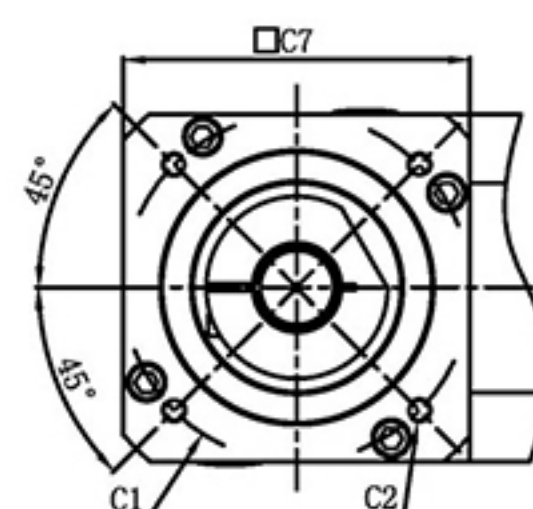


ABR115-L2

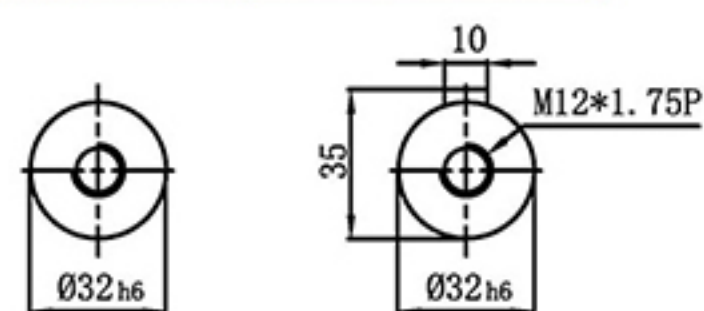
输出端/OUTPUT



输入端/INPUT



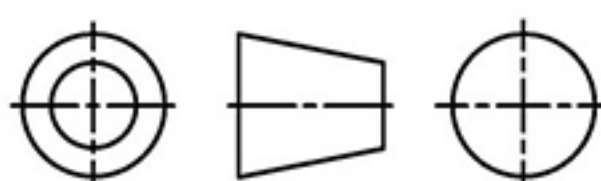
输出轴径/Output Diameter



型式S1

型式S2

视图方向



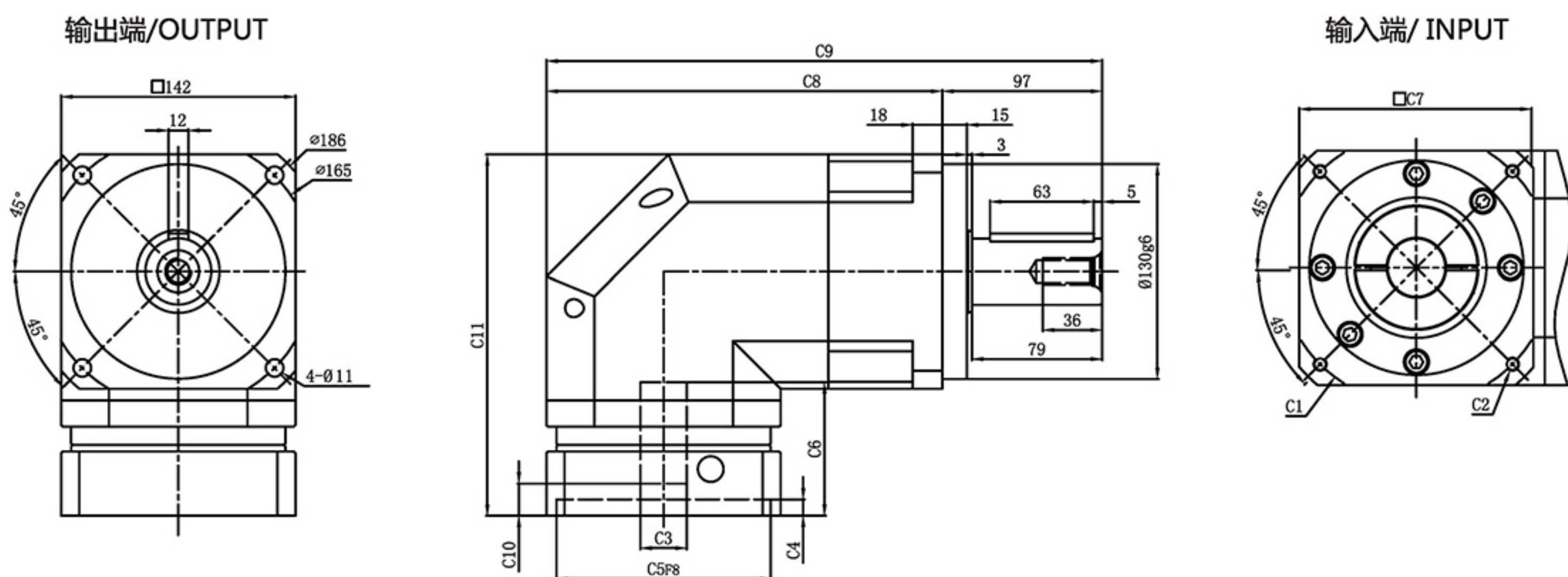
尺寸	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11
ABR115-L1	φ 90	4-M5x15,4-M6x15	≤ φ 19	62	φ 70	7	115	198	260	12	180
	φ 100	4-M6x15	≤ φ 19	62	φ 80	7	115	198	260	12	180
	φ 115	4-M8x20	≤ φ 24	62	φ 95	10	115	198	260	13	180
	φ 130	4-M8x20	≤ φ 24	62	φ 95	10	115	198	260	13	180
	φ 132	4-M8x20	≤ φ 24	62	φ 95	10	115	198	260	13	180
	φ 145	4-M8x20	≤ φ 24	62	φ 110	10	130	198	267.5	13	180
	φ 145	4-M8x20	≤ φ 24	71	φ 110	10	130	198	267.5	22	189
ABR115-L2	φ 90	4-M5x15,4-M6x15	≤ φ 19	47	φ 70	7	90	207	269	7.5	155.5
	φ 100	4-M6x15	≤ φ 19	47	φ 80	7	90	207	269	7.5	155.5
	φ 115	4-M8x20	≤ φ 24	59	φ 95	10	100	207	274	12.5	167.5
	φ 130	4-M8x20	≤ φ 24	59	φ 95	10	115	207	281.5	12.5	167.5
	φ 132	4-M8x20	≤ φ 24	59	φ 95	10	115	207	281.5	12.5	167.5
	φ 145	4-M8x20	≤ φ 24	59.5	φ 110	10	130	207	289	13	168
	φ 145	4-M8x20	≤ φ 24	68	φ 110	10	130	207	289	21.5	176.5

* C1~C11 是公制标准马达连接板之尺寸,可根据客户要求单独定做。

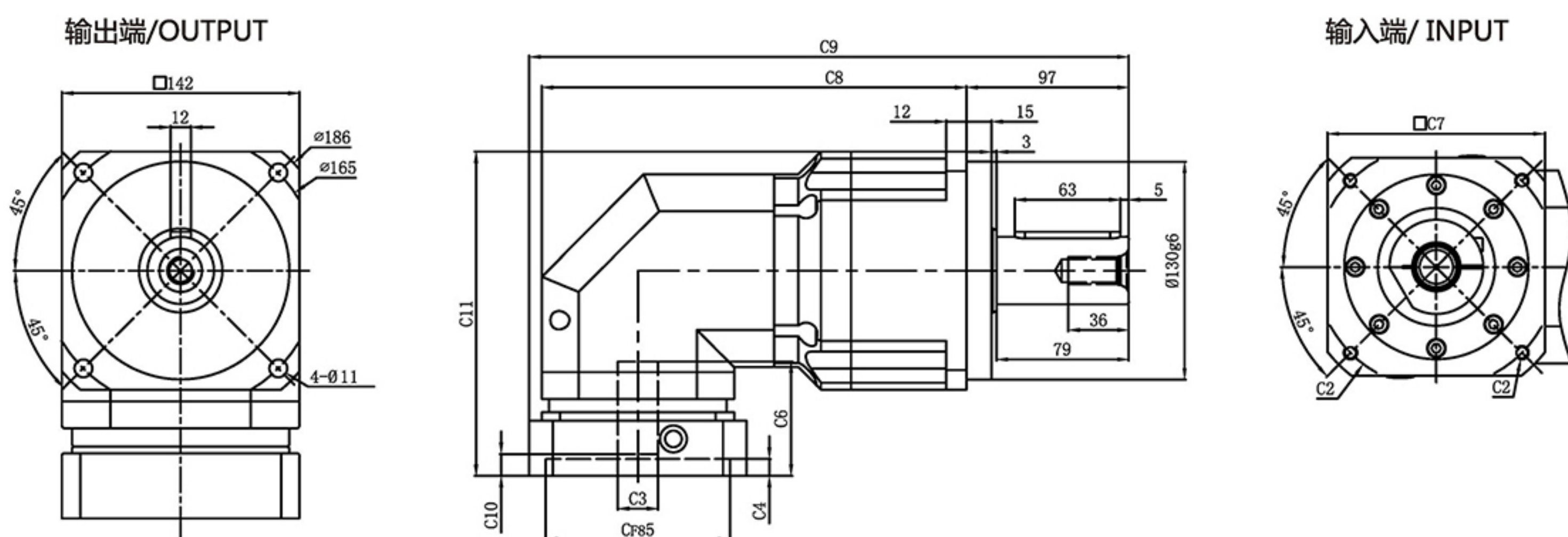
* C1~C11 are motor (metric standard) specific dimensions, which could be customised.

外形尺寸图表 / OUTLINE DIMENSION SHEET

ABR142-L1



ABR115-L2



输出轴径/Output Diameter



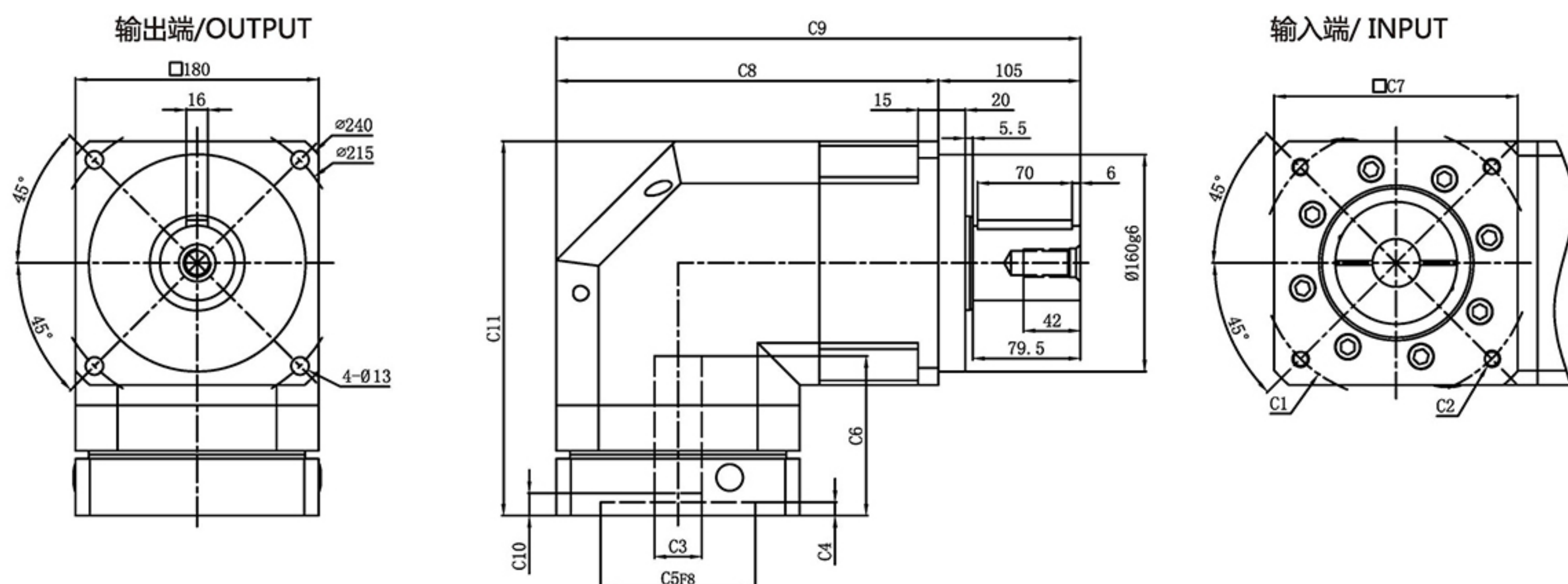
尺寸	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11
ABR142-L1	φ 130	4-M8x20	≤ φ 24	81	φ 110	10	142	240	337	19.5	219
	φ 145	4-M8x20	≤ φ 28	81	φ 110	10	142	240	337	19.5	219
	φ 165	4-M10x25, 4-M12x35	≤ φ 32	81	φ 130	10	142	240	337	19.5	219
	φ 200	4-M12x35	≤ φ 42	83	φ 114.3	8	180	240	356	21.5	221
	φ 200	4-M12x35	≤ φ 42	115	φ 114.3	8	180	240	356	53.5	253
	φ 215	4-M12x35	≤ φ 42	83	φ 180	8	190	240	361	21.5	221
ABR142-L2	φ 130	4-M8x20	≤ φ 24	62	φ 110	10	130	254	358.5	13	193.5
	φ 145	4-M8x20	≤ φ 24	62	φ 110	10	130	254	358.5	13	193.5
	φ 145	4-M8x20	≤ φ 24	71	φ 110	10	130	254	358.5	22	202.5
	φ 165	4-M10x25, 4-M12x35	≤ φ 32	81	φ 130	10	142	254	364.5	19.5	219
	φ 200	4-M12x35	≤ φ 35	83	φ 114.3	8	180	254	383.5	21.5	211.5
	φ 200	4-M12x35	≤ φ 42	115	φ 114.3	8	180	254	383.5	53.5	243.5

* C1~C11 是公制标准马达连接板之尺寸,可根据客户要求单独定做。

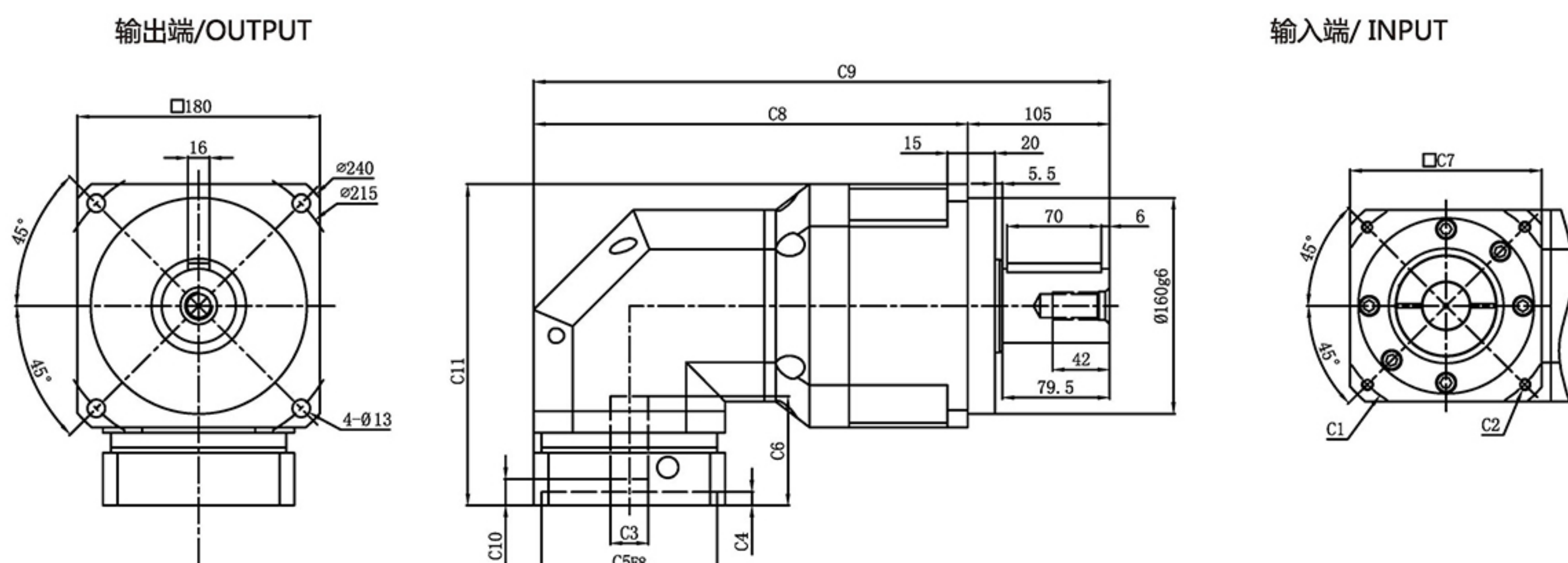
* C1~C11 are motor (metric standard) specific dimensions, which could be customised.

外形尺寸图表 / OUTLINE DIMENSION SHEET

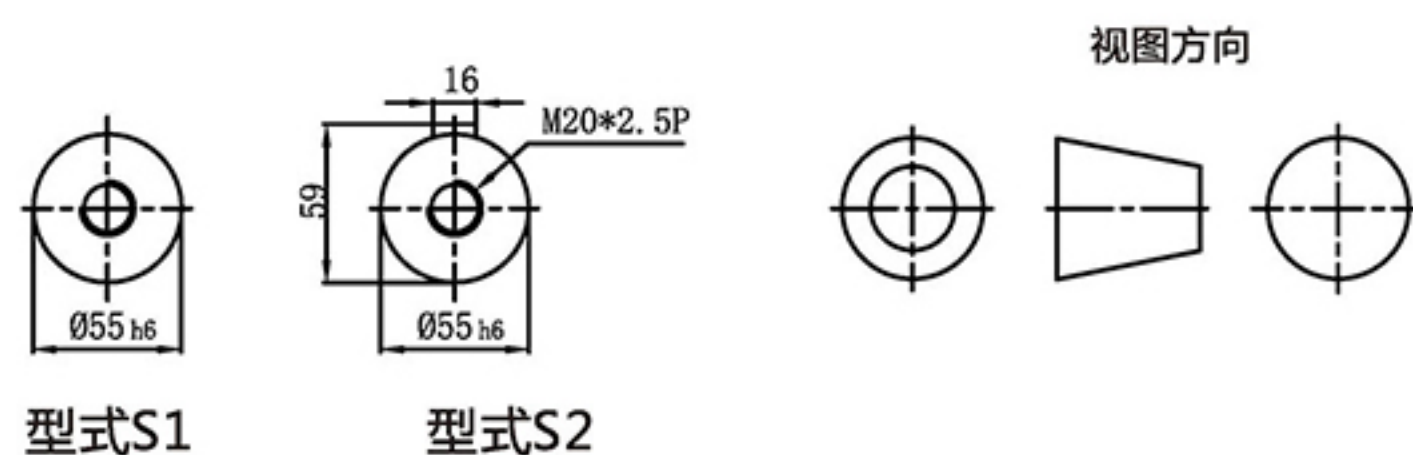
ABR180-L1



ABR180-L2



输出轴径/Output Diameter



尺寸	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11
ABR180-L1	φ 165	4-M10x25, 4-M12x35	≤ φ 32	118	φ 130	10	180	282.5	387.5	16.5	276.5
	φ 200	4-M12x35	≤ φ 42	118	φ 114.3	10	180	282.5	387.5	16.5	276.5
	φ 215	4-M14x35	≤ φ 42	118	φ 180	10	190	287.5	392.5	16.5	276.5
	φ 235	4-M10x30, 4-M14x35	≤ φ 55	150	φ 200	10	220	302.5	407.5	48.5	308.5
ABR180-L2	φ 130	4-M8x20	≤ φ 24	81	φ 110	10	142	322	427	19.5	238
	φ 145	4-M8x20	≤ φ 24	81	φ 110	10	142	322	427	19.5	238
	φ 165	4-M10x25, 4-M12x35	≤ φ 32	81	φ 130	10	142	322	427	19.5	238
	φ 200	4-M12x35	≤ φ 42	83	φ 114.3	8	180	341	446	21.5	240
	φ 200	4-M10x25, 4-M12x35	≤ φ 42	115	φ 114.3	8	180	341	446	53.5	272
	φ 215	4-M14x35	≤ φ 42	83	φ 180	8	190	346	451	21.5	240

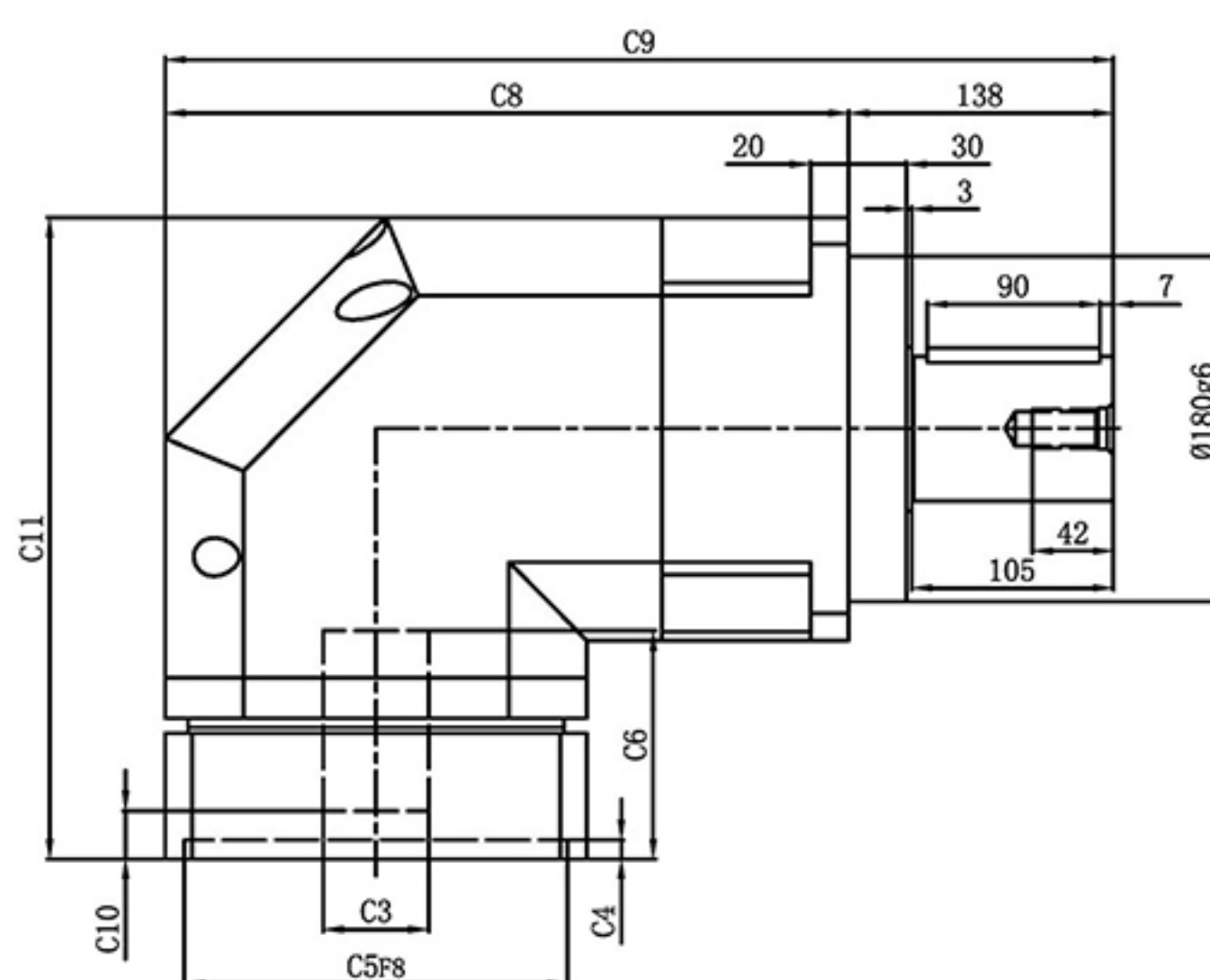
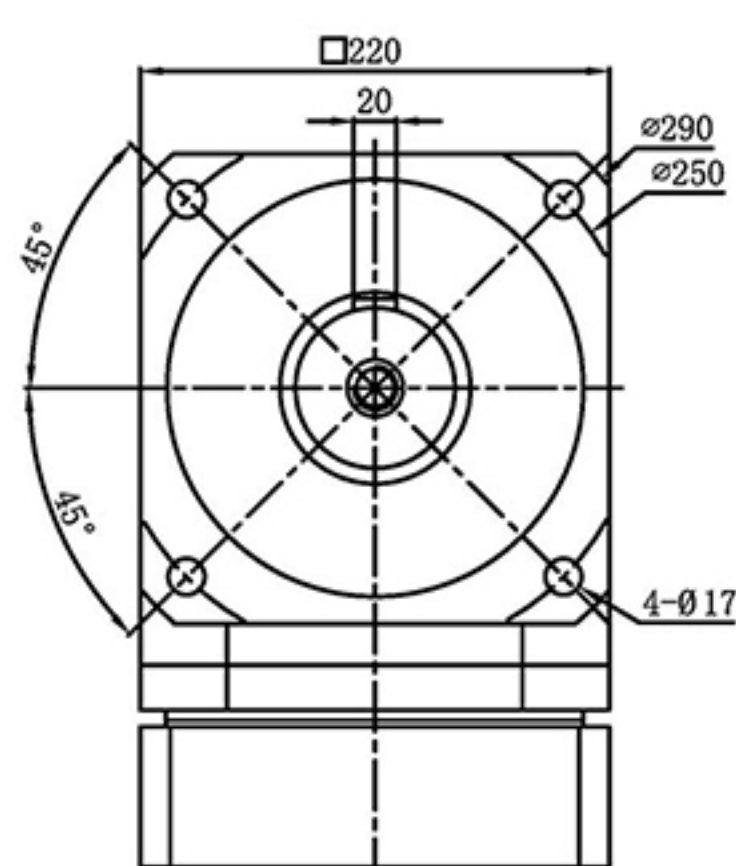
* C1~C11 是公制标准马达连接板之尺寸,可根据客户要求单独定做。

* C1~C11 are motor (metric standard) specific dimensions, which could be customised.

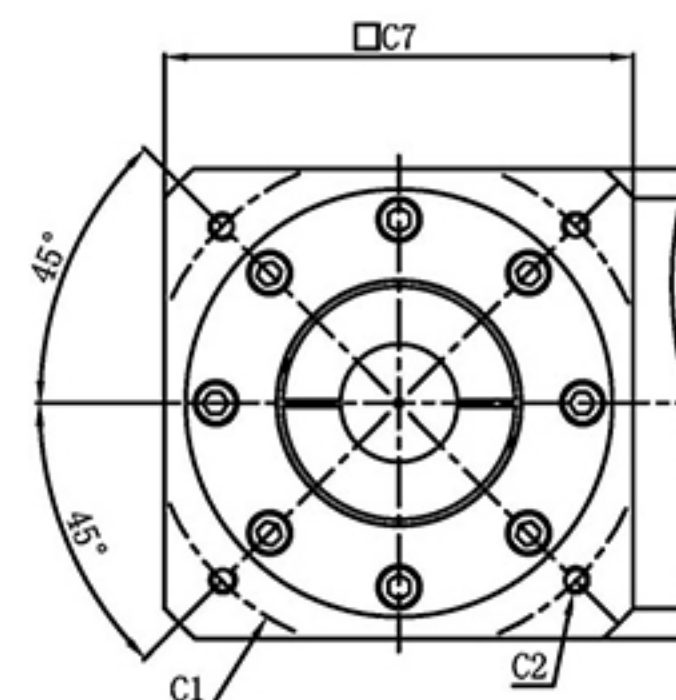
外形尺寸图表 / OUTLINE DIMENSION SHEET

ABR220-L1

输出端/OUTPUT

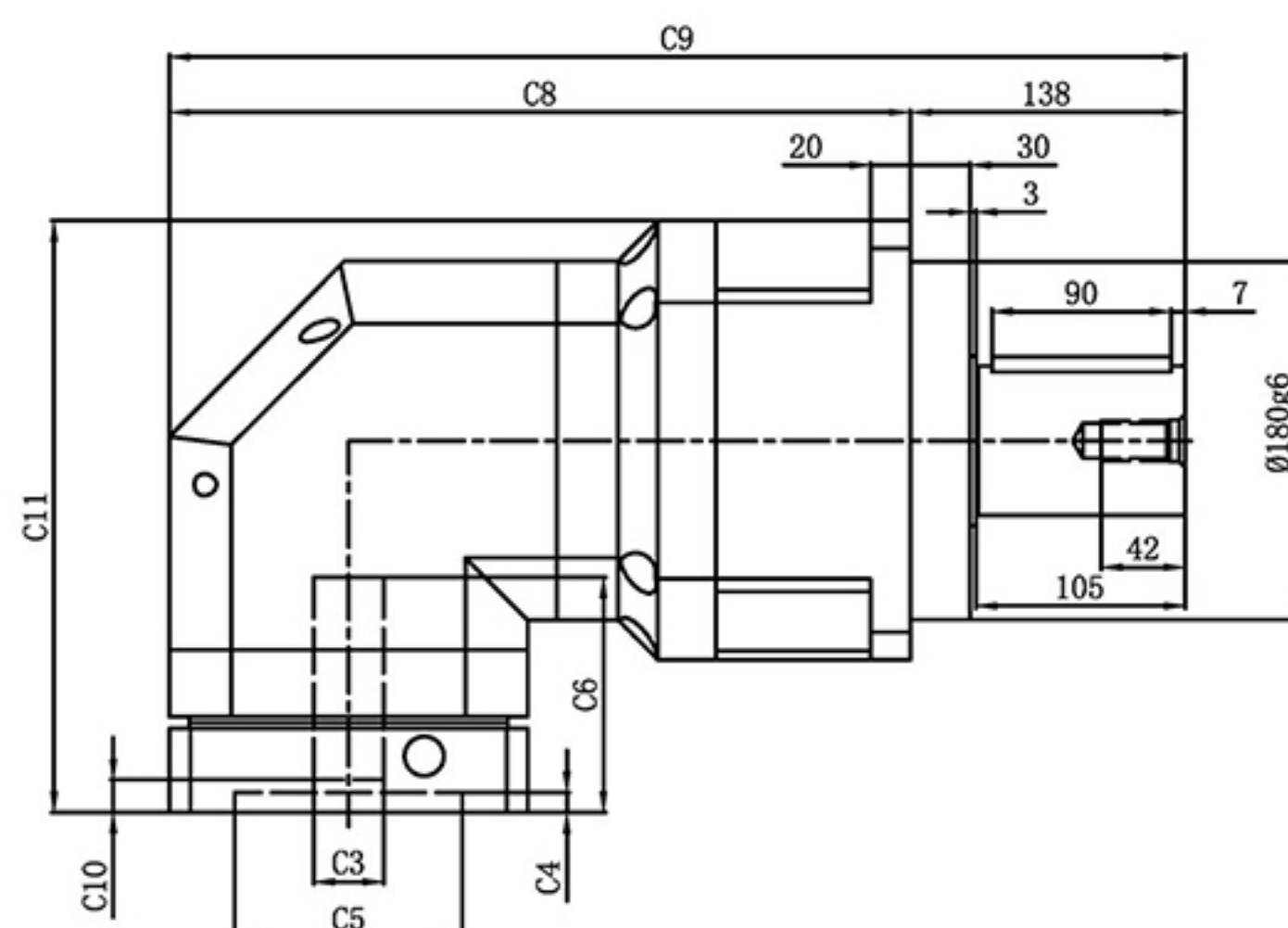
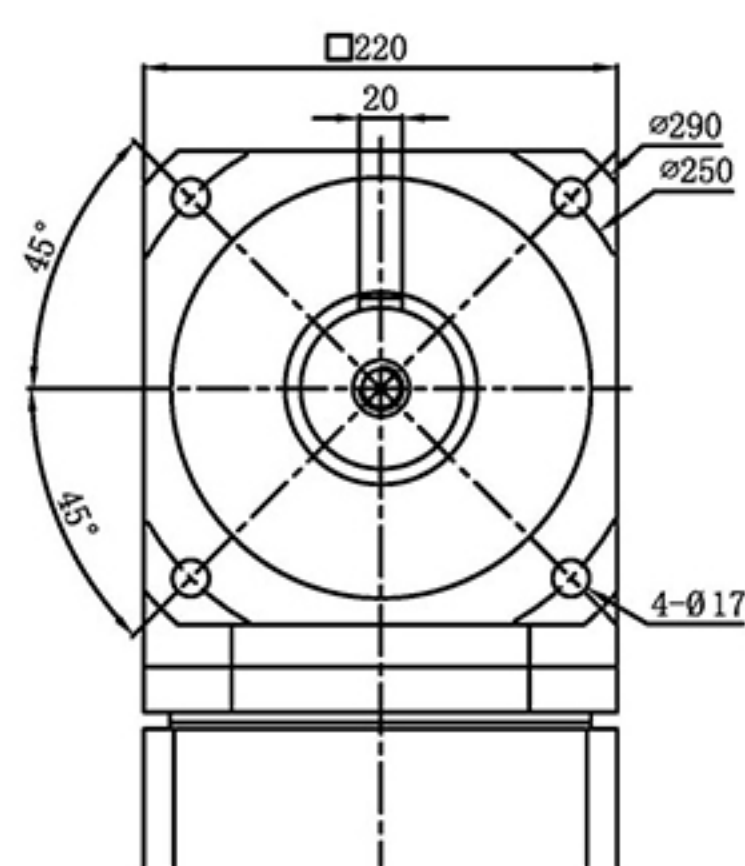


输入端/INPUT

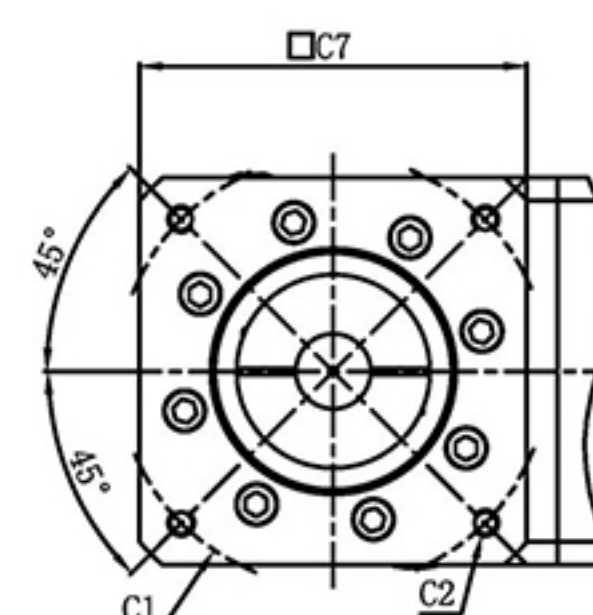


ABR220-L2

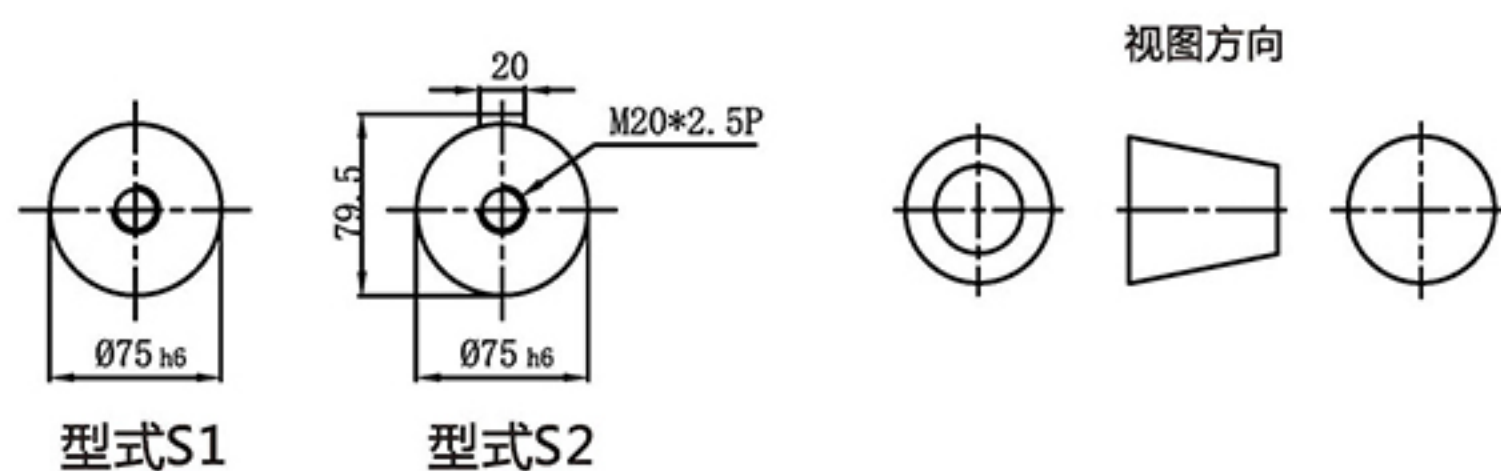
输出端/OUTPUT



输入端/INPUT



输出轴径/Output Diameter



型式S1

型式S2

尺寸	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11
ABR220-L1	φ 200	4-M12x35	≤ φ 42	119	φ 114.3	10	220	356.5	494.5	25	334
	φ 215	4-M14x35	≤ φ 42	119	φ 180	10	220	356.5	494.5	25	334
	φ 235	4-M12x35, 4-M14x35	≤ φ 55	119	φ 200	10	220	356.5	494.5	25	334
ABR220-L2	φ 165	4-M10x25, 4-M12x35	≤ φ 32	118	φ 130	10	180	372	510	16.5	296.5
	φ 200	4-M12x35	≤ φ 42	118	φ 114.3	10	180	372	510	16.5	296.5
	φ 215	4-M12x35, 4-M14x35	≤ φ 42	118	φ 180	10	190	377	515	16.5	296.5
	φ 235	4-M12x35, 4-M14x35	≤ φ 55	150	φ 200	10	220	392	530	48.5	328.5

* C1~C11 是公制标准马达连接板之尺寸,可根据客户要求单独定做。

* C1~C11 are motor (metric standard) specific dimensions, which could be customised.