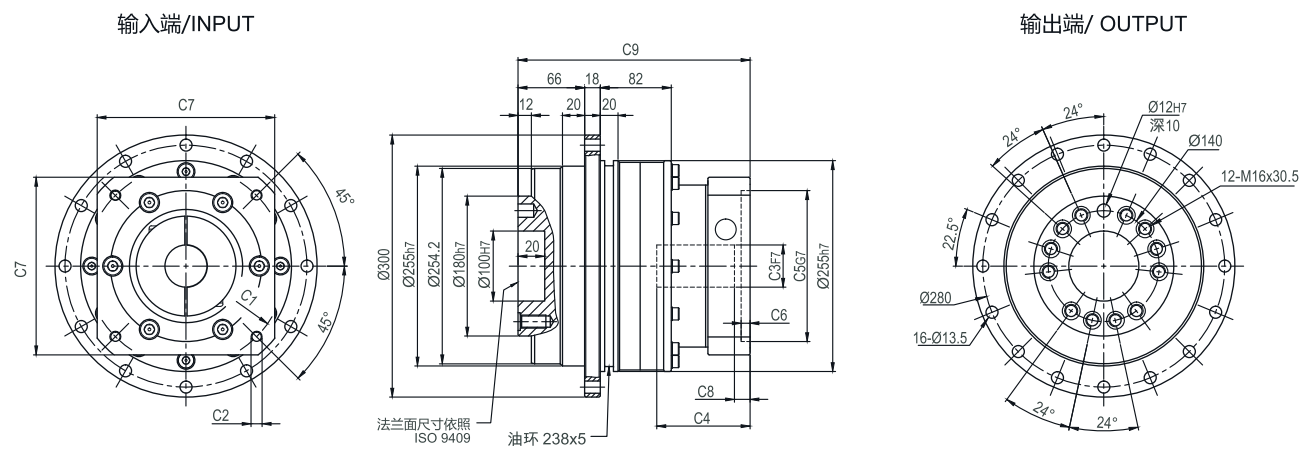


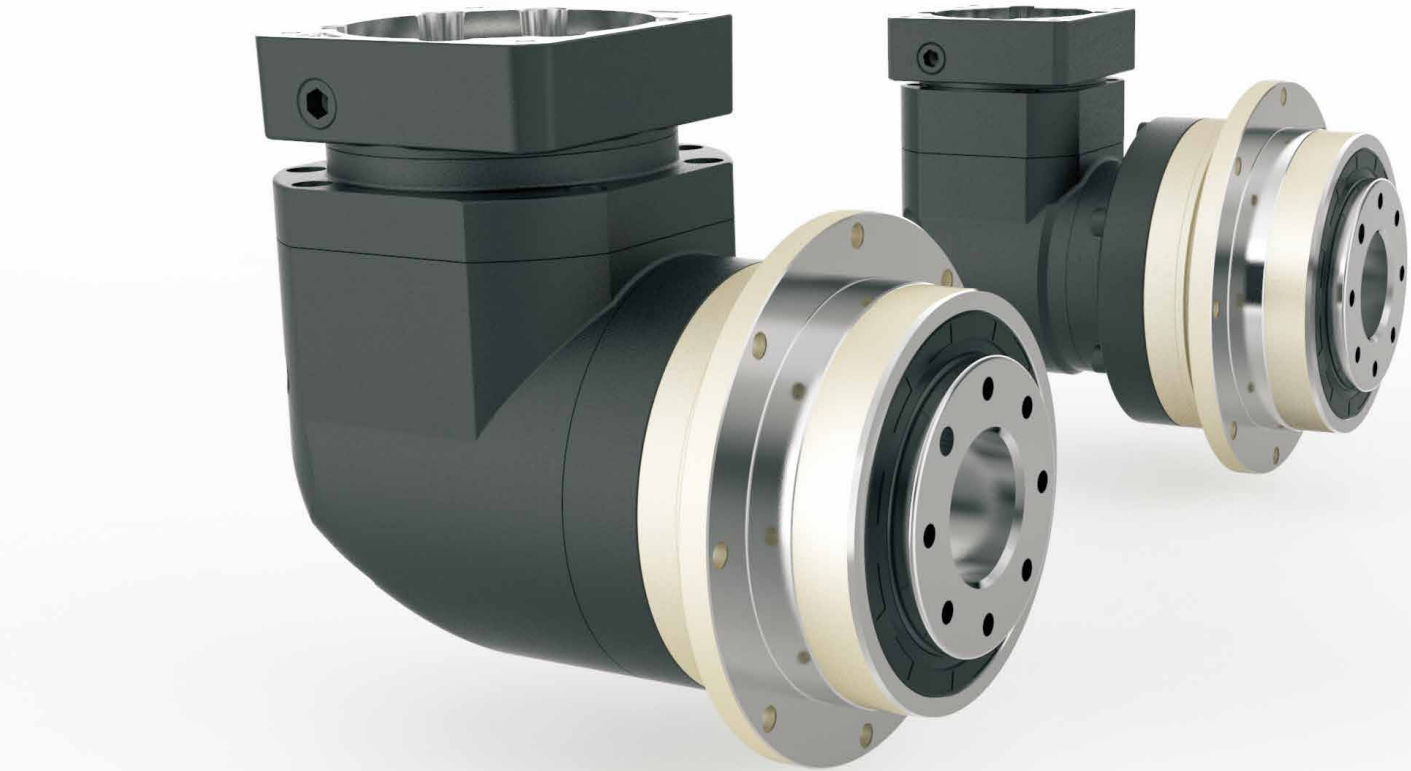
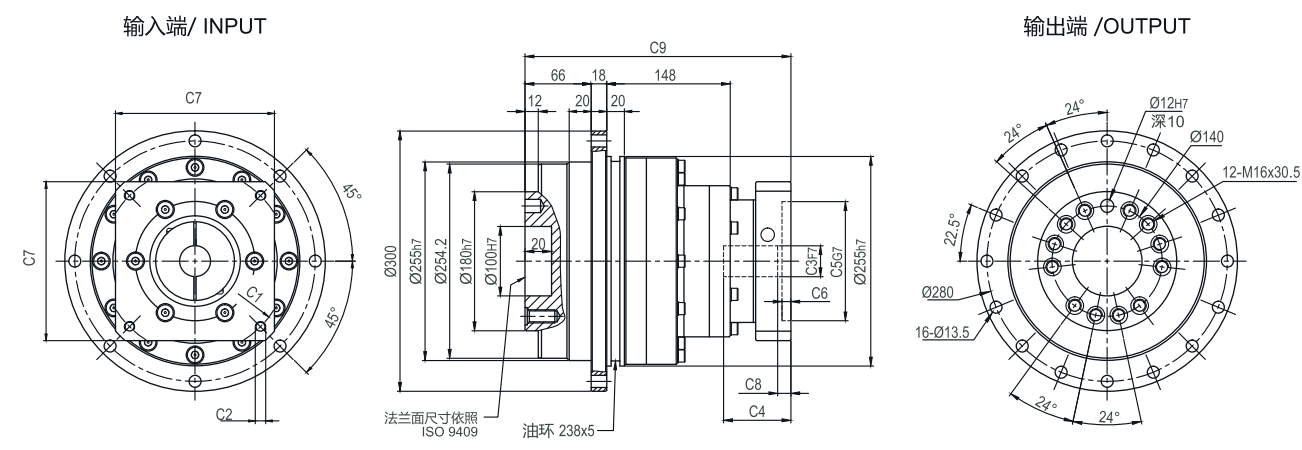
外形尺寸图表 / OUTLINE DIMENSION SHEET

FADR
SERIES

FAD-255-L1



FAD-255-L2



尺寸	C1	C2	C3	C4	C5	C6	C7	C8	C9
FAD-255-L1	Ø235	4-M12x28	Ø38,Ø42	116	Ø200	6	220	10	256.5
FAD-255-L2	Ø200	4-M12x28	Ø35	85	Ø114.3	6	180	10	311.5
	Ø215	4-M12x28	Ø38	85	Ø180	6	190	19	311.5

* C1~C7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~C7are motor(metric standard) specific dimensions, which could be customised.

型号说明 / MODEL ILLUMINATE

FADR 090

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10

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P2

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马达

减速机型式：
FADR047/FADR064/FADR090
FADR110/FADR140/FADR200/FADR255

背隙：P0：超精密背隙
P1：精密背隙
P2：标准背隙

减速比：单级(L1)：4,5,6,7,8,10,14,20
双级(L2)：20,25,35,40,50,60,70,80,
100,120,140,160,200

马达型号：
马达制造及型号

选用范例：FADR090-10-P2/MHMD-082G1U

减速机性能资料/ GEAR BOX PERFORMANCE INFORMATION

规格		级数	减速比 ¹	FADR047	FADR064	FADR090	FADR110	FADR140	FADR200	FADR255
额定输出力矩T _{2N}	Nm	1	4	19	48	130	270	560	1,100	1,700
			5	22	60	160	330	650	1,200	2,000
			6	-	55	150	310	600	-	-
			7	19	50	140	300	550	1,100	1,800
			8	17	48	130	270	560	1,000	1,600
			10	14	60	160	330	650	520	1,220
			14	-	50	140	300	550	1,100	1,800
			20	-	40	100	230	450	520	1,220
		2	20	19	48	130	270	560	1,100	1,700
			25	22	60	160	330	650	1,200	2,000
			35	22	60	160	330	650	1,200	2,000
			40	22	48	130	270	560	1,200	2,000
			50	22	60	160	330	650	1,200	2,000
			60	-	55	150	310	600	-	-
			70	22	60	160	330	650	1,200	2,000
			80	-	48	130	270	560	-	-
			100	22	60	160	330	650	1,200	2,000
			120	-	-	150	310	600	-	-
			140	-	-	140	300	550	1,100	1,800
			160	-	-	120	260	500	-	-
			200	-	-	100	230	450	520	1,220
最大输出力矩T _{2B}	Nm	1,2	4~200	3倍额定输出力矩						
额定输入转速n ₁	rpm	1,2	4~200	5,000	5,000	4,000	4,000	3,000	3,000	2,000
最大输入转速n _{1B}	rpm	1,2	4~200	10,000	10,000	8,000	8,000	6,000	6,000	4,000
超精密背隙 P0	arcmin	1	4~20	-	-	≤2	≤2	≤2	≤2	≤2
		2	20~200	-	-	≤4	≤4	≤4	≤4	≤4
精密背隙 P1	arcmin	1	4~20	≤4	≤4	≤4	≤4	≤4	≤4	≤4
		2	20~200	≤7	≤7	≤7	≤7	≤7	≤7	≤7
标准背隙 P2	arcmin	1	4~20	≤6	≤6	≤6	≤6	≤6	≤6	≤6
		2	20~200	≤9	≤9	≤9	≤9	≤9	≤9	≤9
扭转刚性		1,2	4~200	7	13	31	82	151	440	1,006
最大弯曲力矩M _{2KB} ²	Nm	1,2	4~200	42.5	125	235	430	1,300	3,064	5,900
容许径向力F _{2B} ²	N	1,2	4~200	1,080	2,110	2,310	4,800	6,200	5,450	10,600
使用寿命	hr	1,2	4~200	20,000*						
效率 η	%	1	4~20	≥95%						
		2	20~200	≥92%						
重量	kg	1	4~20	1.1	2.1	5.9	10.5	21.9	50.9	85.4
		2	20~200	1.4	1.9	4.5	9.8	20.1	45.4	85.9
使用温度	℃	1,2	4~200	-10℃~+90℃						
润滑		1,2	4~200	合成润滑油脂						
防护等级		1,2	4~200	IP65						
安装方向		1,2	4~200	任意方向						
噪音值 (n ₁ =3000rpm)	dB	1,2	4~200	≤61	≤63	≤65	≤68	≤70	≤72	≤74

减速机转动惯量

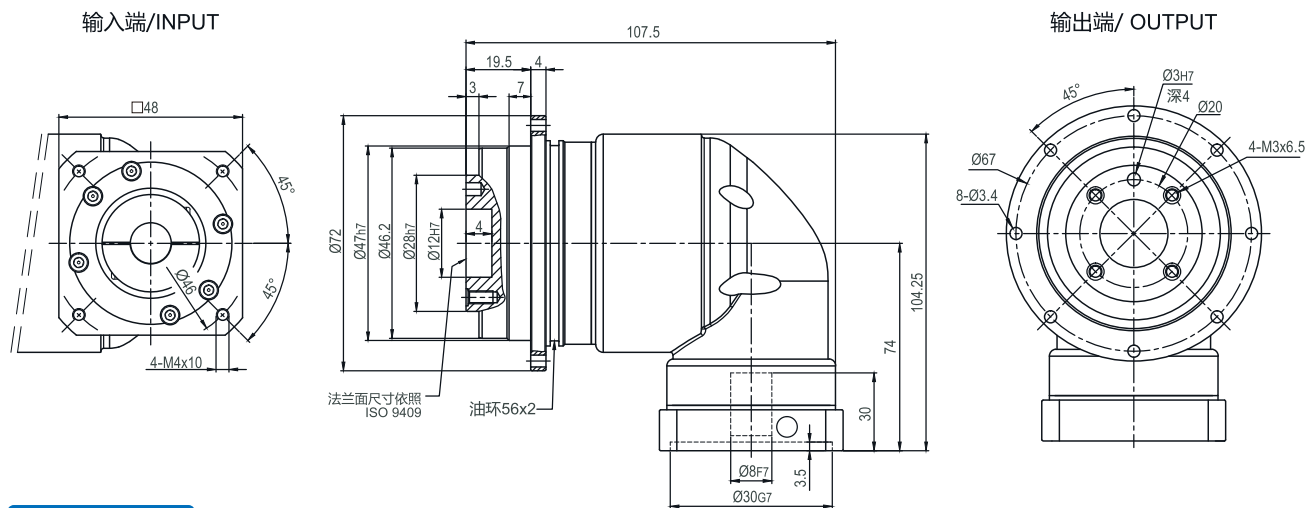
规格		级数	减速比 ¹	FADR047	FADR064	FADR090	FADR110	FADR140	FADR200	FADR255
转动惯量J _i	kg·cm ²	1	4~7	0.09	0.35	2.25	6.84	23.4	68.9	135.4
			8~10	0.09	0.07	1.87	6.25	21.8	65.6	119.8
			14~20	-	0.07	1.87	6.25	21.8	65.6	119.8
		2	20~40	0.09	0.09	0.35	2.25	6.84	23.4	68.9
			50	-	0.09	0.31	1.87	6.25	21.8	65.6
			60	-	0.09	0.35	2.25	6.84	-	-
			70~100	-	0.09	0.31	1.87	6.25	21.8	65.6
			120~200	-	-	0.31	1.87	6.25	21.8	65.6

1.减速比 (i=N_{in}/N_{out})
* 连续运转降低使用寿命二分之一。

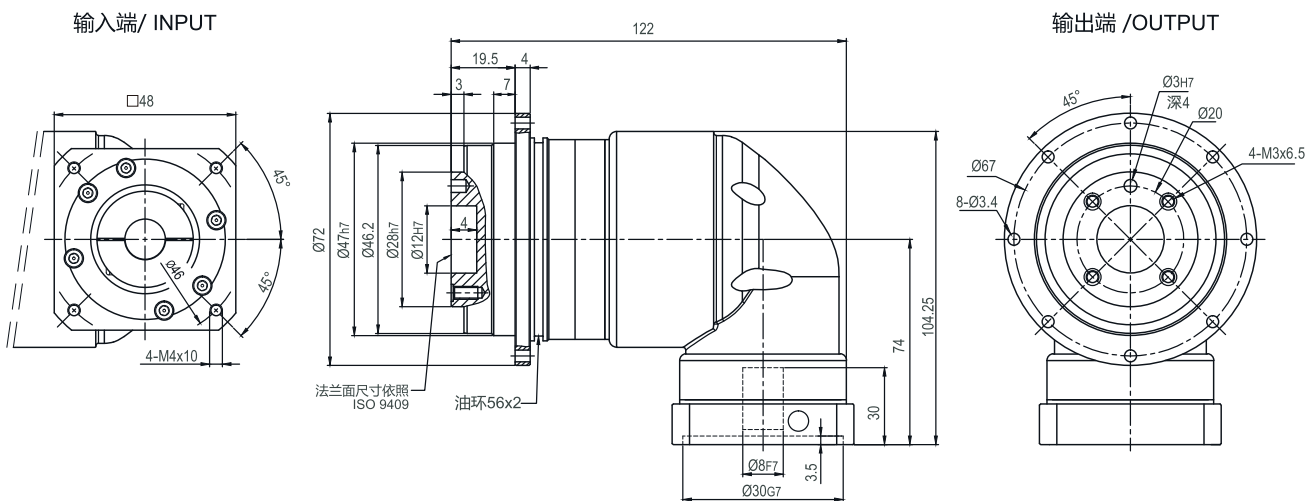
2.输出转数 100rpm 时，作用于输出轴中心位置。

外形尺寸图表 / OUTLINE DIMENSION SHEET

FADR-047-L1



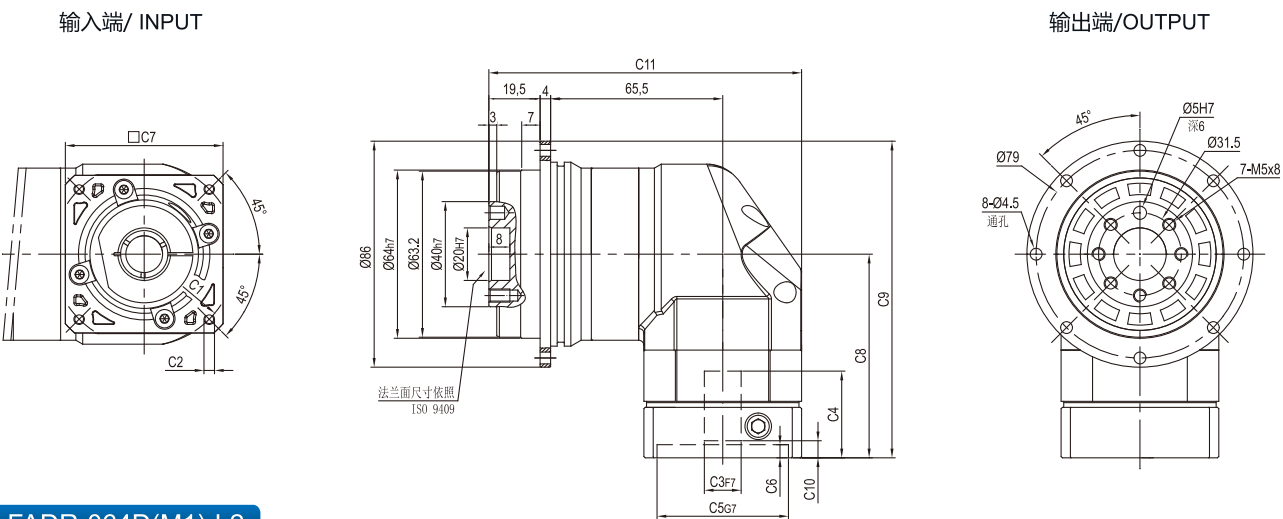
FADR-047-L2



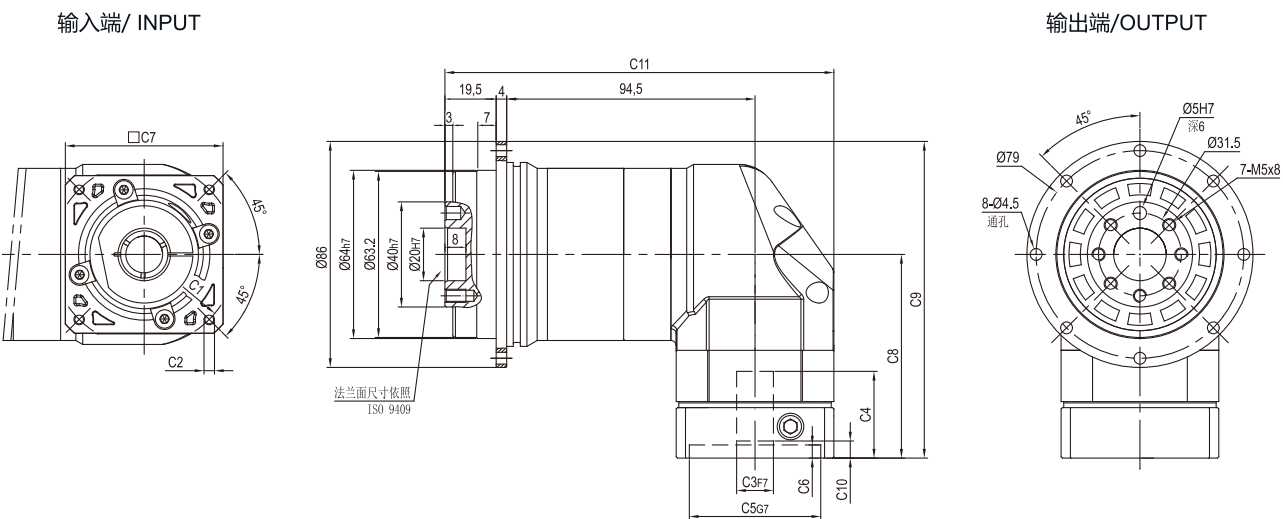
*输入马达连接板之尺寸,可根据客户要求单独定做。
*The input motor specific dimensions could be customised.

外形尺寸图表 / OUTLINE DIMENSION SHEET

FADR-064D(M1)-L1



FADR-064D(M1)-L2

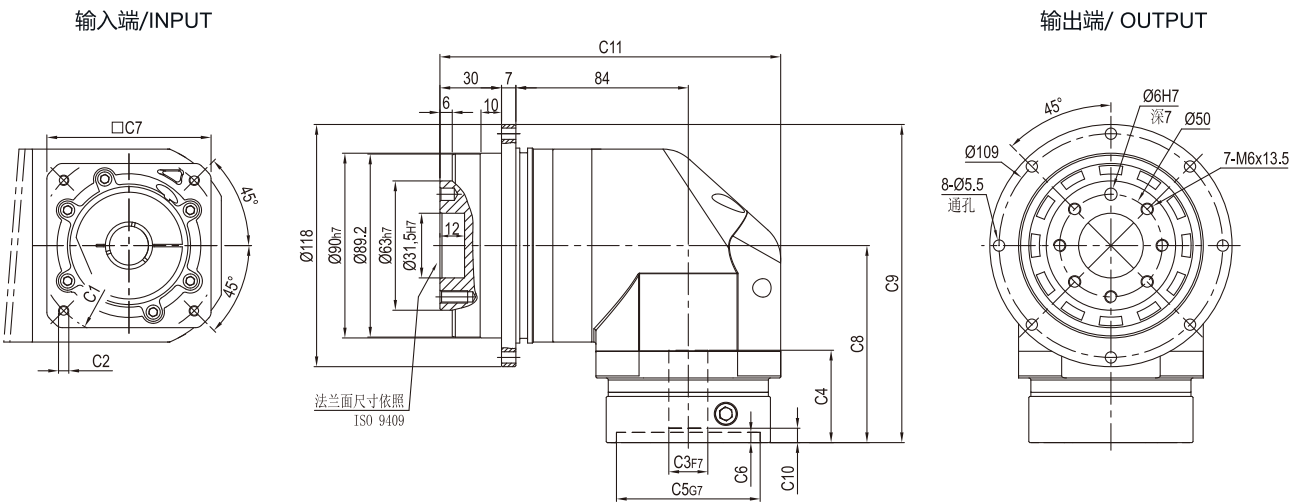


尺寸	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11
FADR-064D-L1	Ø66.7	4-M4x10	Ø8	33	Ø38.1	5	60	77.5	120.5	5.5	119
FADR-064D-L2											148
FADR-064D-L1	Ø70	4-M4x10,4-M5x12	Ø11,Ø14	33	Ø50	5	60	77.5	120.5	5.5	119
FADR-064D-L2											148
FADR-064M1-L1	Ø90	4-M5x12,4-M6x14	Ø19	42.5	Ø70	6.5	80	87	130	12	129
FADR-064M1-L2											158

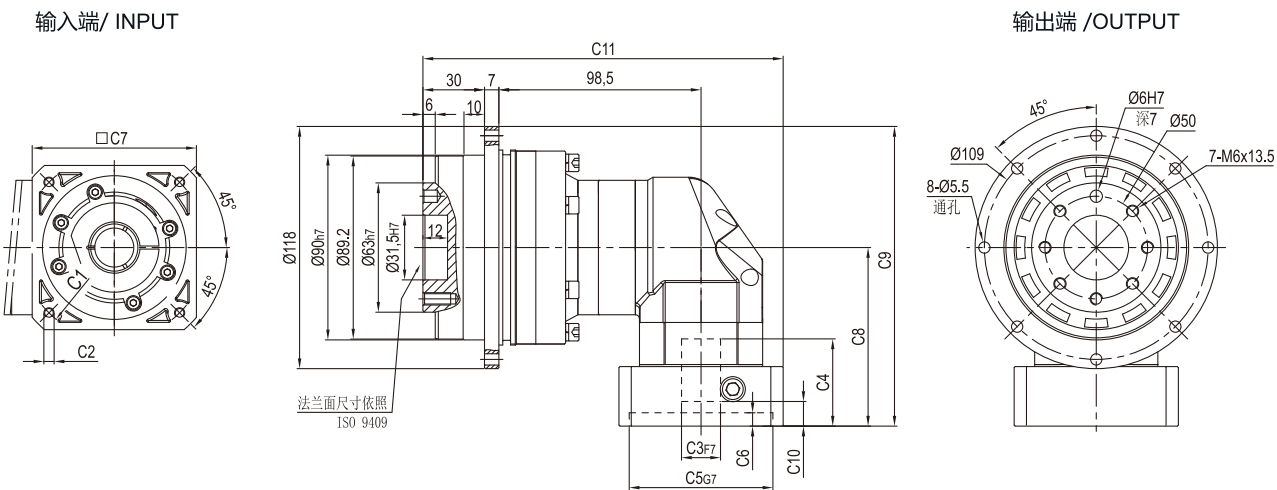
* C1~C7是公制标准马达连接板之尺寸,可根据客户要求单独定做。
* C1~C7are motor(metric standard) specific dimensions, which could be customised.
* D:常规孔,M1:极限孔
* D: Conventional Hole, M1: Limit Hole

外形尺寸图表 / OUTLINE DIMENSION SHEET

FADR-090D(M1)-L1



FADR-090D(M1)-L2

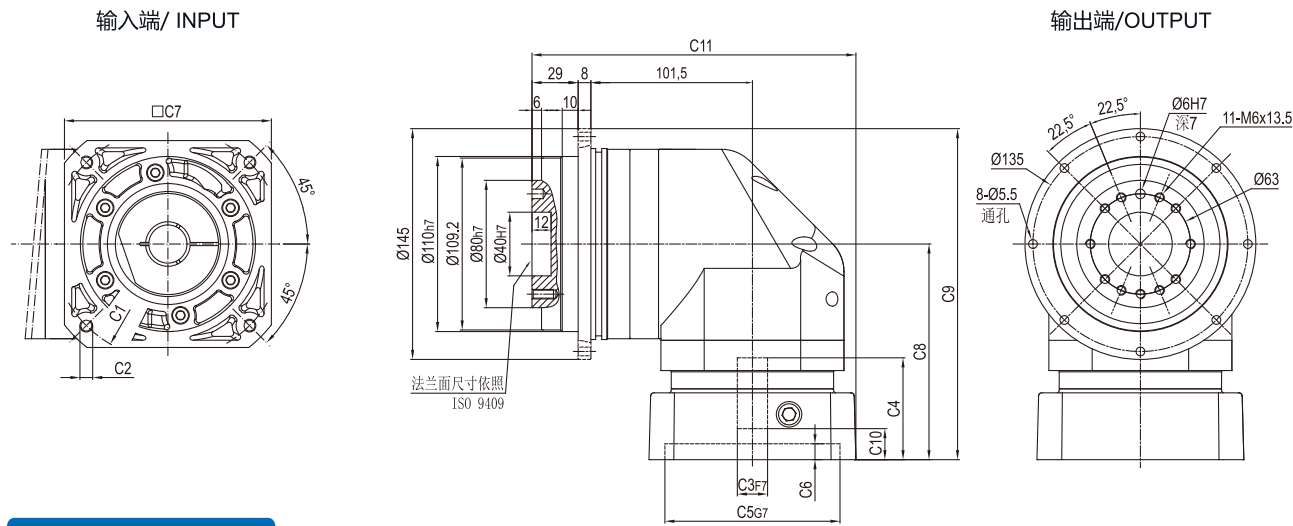


尺寸	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11
FADR-090D-L1	Ø90	4-M5x12,4-M6x14	Ø19	45	Ø70	6.5	80	96	155	7	166
	Ø100	4-M6x14	Ø16	45	Ø80	6.5	86	96	155	6	166
FADR-090M1-L1	Ø115	4-M8x20	Ø19,Ø22	56.5	Ø95	8	100	117.5	176.5	16.5	171
	Ø145	4-M8x20	Ø19,Ø22,Ø24	59	Ø110	11	130	120	179	19	186
FADR-090D-L2	Ø66.7	4-M4x10	Ø8	33	Ø38.1	5	60	77.5	136.5	5.5	165.5
	Ø70	4-M4x10,4-M5x12	Ø11,Ø14	33	Ø50	5	60	77.5	136.5	5.5	165.5
FADR-090M1-L2	Ø90	4-M5x12,4-M6x14	Ø19	42.5	Ø70	6.5	80	87	146	12	175.5
	Ø100	4-M6x14	Ø16	42.5	Ø80	6.5	86	87	146	11	175.5

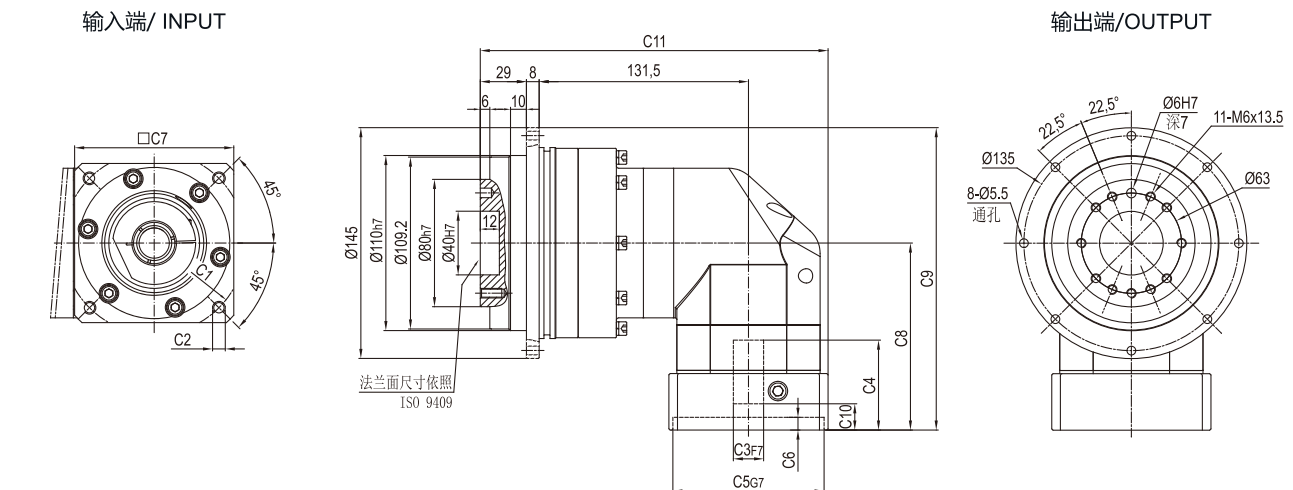
* C1~C7是公制标准马达连接板之尺寸,可根据客户要求单独定做。
* C1~C7are motor(metric standard) specific dimensions, which could be customised.
* D:常规孔,M1:极限孔
* D: Conventional Hole, M1: Limit Hole

外形尺寸图表 / OUTLINE DIMENSION SHEET

FADR-110D(M1)-L1



FADR-110D(M1)-L2

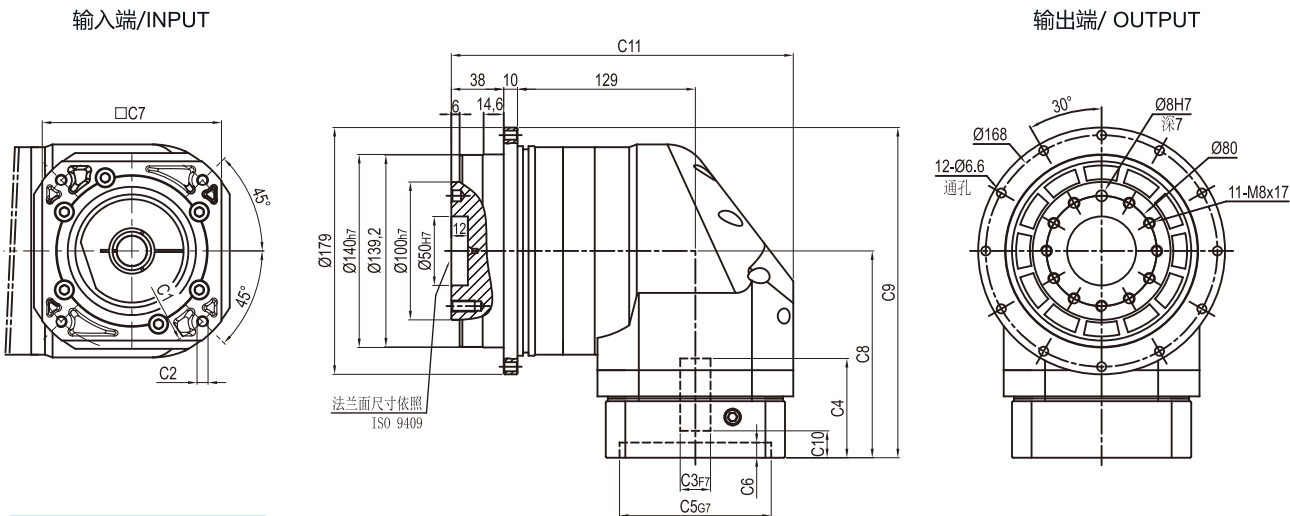


尺寸	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11
FADR-110D-L1	Ø145	4-M8x20	Ø19,Ø22,Ø24	64	Ø110	10	130	135.5	208	19.5	203.5
FADR-110M1-L1	Ø200	4-M12x28	Ø35	81	Ø114.3	10	180	152.5	225	28	228.5
FADR-110D-L2	Ø90	4-M5x12,4-M6x14	Ø19	45	Ø70	6.5	80	96	168.5	7	213.5
	Ø100	4-M6x14	Ø16	45	Ø80	6.5	86	96	168.5	6	213.5
FADR-110M1-L2	Ø115	4-M8x20	Ø19,Ø22	56.5	Ø95	8	100	117.5	190	16.5	218.5
	Ø145	4-M8x20	Ø19,Ø22,Ø24	59	Ø110	11	130	120	192.5	19	233.5

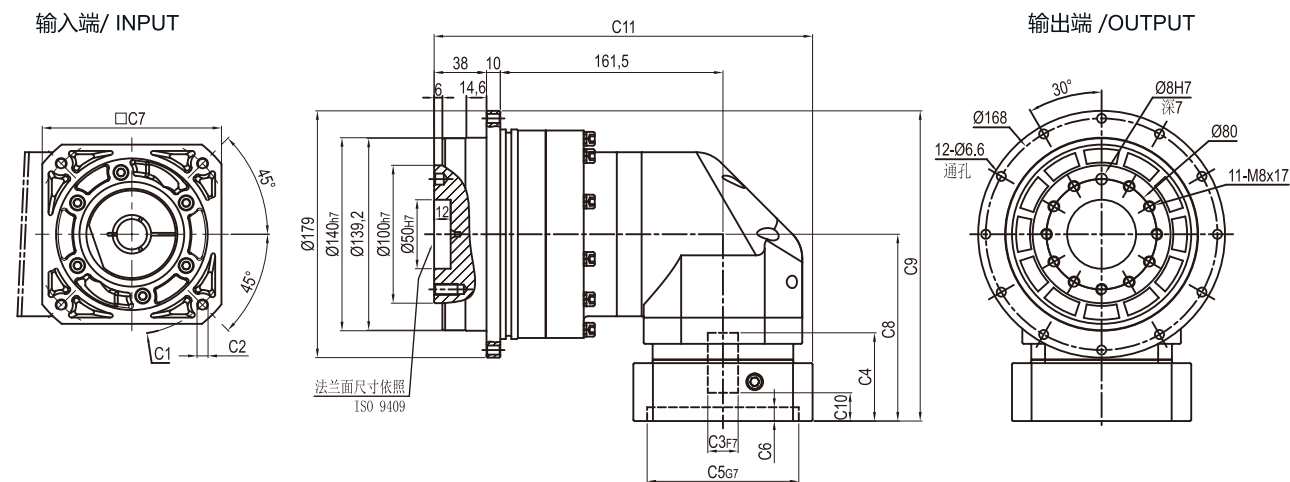
* C1~C7是公制标准马达连接板之尺寸,可根据客户要求单独定做。
* C1~C7are motor(metric standard) specific dimensions, which could be customised.
* D:常规孔,M1:极限孔
* D: Conventional Hole, M1: Limit Hole

外形尺寸图表 / OUTLINE DIMENSION SHEET

FADR-140D(M1)-L1



FADR-140D(M1)-L2

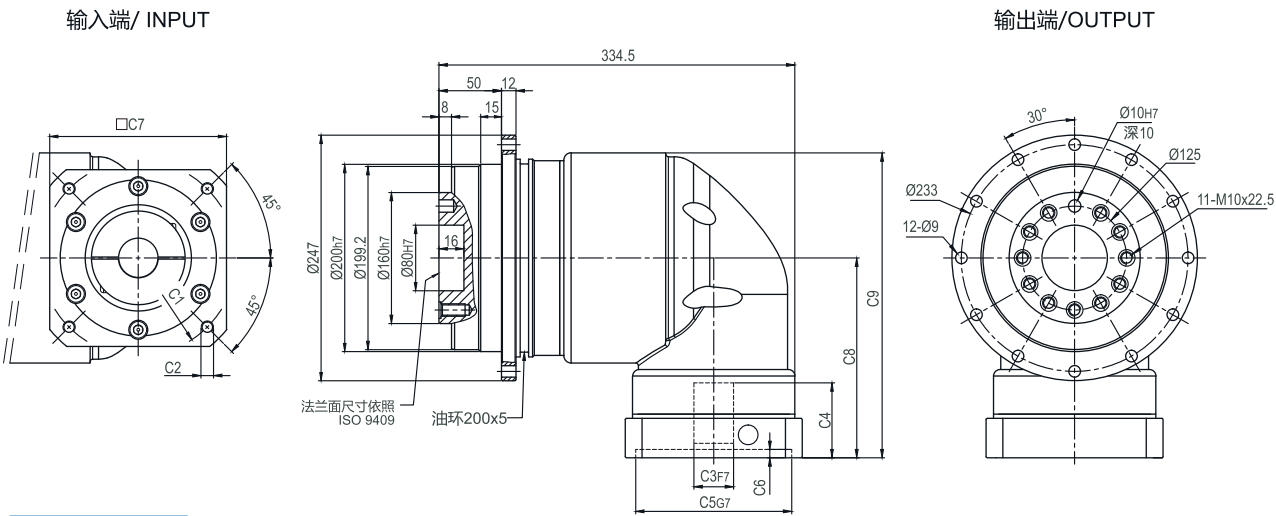


尺寸	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11
FADR-140D-L1	Ø145	4-M8x20	Ø22,Ø24	72	Ø110	11	130	150	239.5	19.5	248
	Ø200	4-M12x28	Ø35	82	Ø114.3	8	180	160	249.5	25	267
FADR-140D-L2	Ø145	4-M8x20	Ø19,Ø22,Ø24	64	Ø110	10	130	135.5	225	19.5	274.5
FADR-140M1-L2	Ø200	4-M12x28	Ø35	81	Ø114.3	10	180	152.5	242	28	299.5

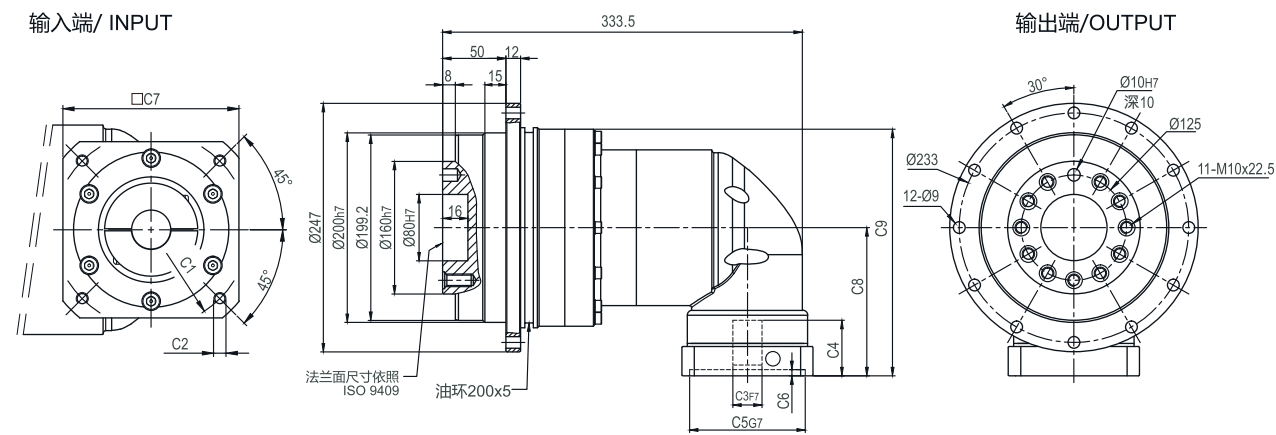
* C1~C7是公制标准马达连接板之尺寸,可根据客户要求单独定做。
* C1~C7are motor(metric standard) specific dimensions, which could be customised.
* D:常规孔, M1:极限孔
* D: Conventional Hole, M1: Limit Hole

外形尺寸图表 / OUTLINE DIMENSION SHEET

FADR-200-L1



FADR-200-L2



尺寸	C1	C2	C3	C4	C5	C6	C7	C8	C9
FADR-200-L1	Ø200	4-M12x28	Ø35	85	Ø114.3	6	180	213.5	316
	Ø215	4-M12x28	Ø38	85	Ø180	6	190	213.5	316
FADR-200-L2	Ø165	4-M10x25	Ø28	60	Ø130	6	142	164.5	269.5
	Ø200	4-M12x28	Ø35	85	Ø114.3	6	180	189.5	294.5

* C1~C7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~C7are motor(metric standard) specific dimensions, which could be customised.

