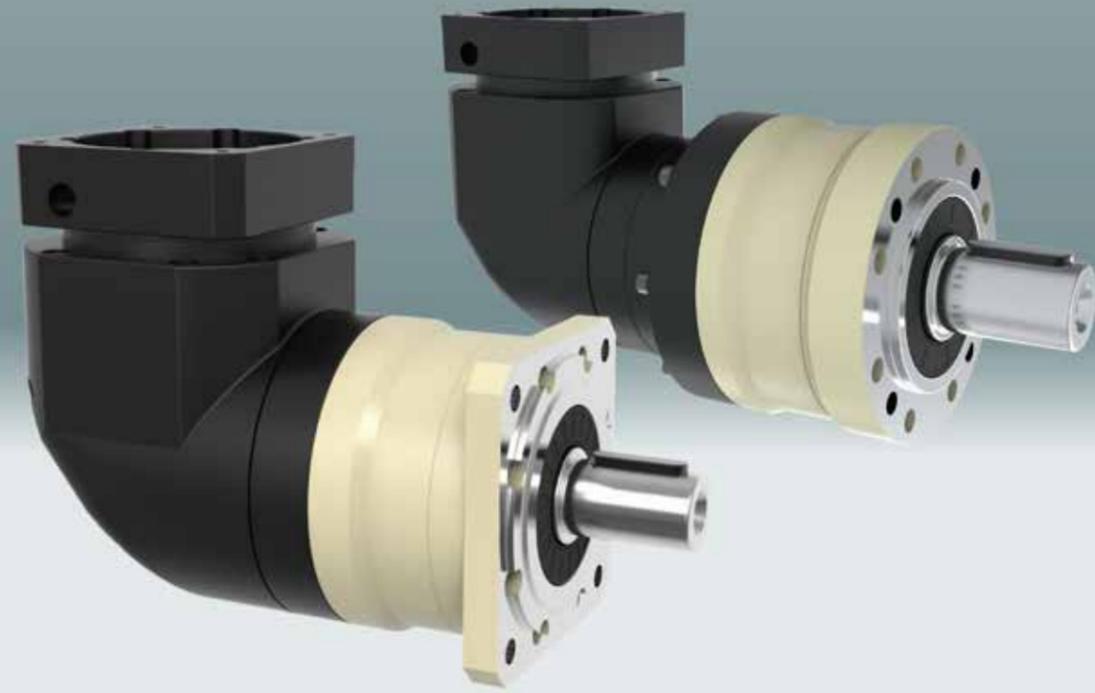


# MYGR/MYGR-E SERIES

精密行星减速机



## 型号说明 MODEL ILLUMINATE

MYGR090 - 10 - S2 - P2 / 马达

减速机型式：  
MYGR060/MYGR090/MYGR120/MYGR160  
MYGR-E060/MYGR-E090/MYGR-E120  
MYGR-E160

输出轴型式选择：S1：平滑直轴  
S2：附键直轴

马达型号：  
马达制造及型号

减速比：单级(L1)：3,4,5,6,7,8,10,14,20  
双级(L2)：12,15,20,25,30,35,40,50,60,70,80,100,120,140,160,200

背隙：标准背隙

选型范例：MYGR090-10/MHMD-082G1U

创新 + 质量 + 服务

## 性能 -MYGR 减速机

规格	级数	减速比 <sup>1</sup>	MYGR060 MYGR-E060	MYGR090 MYGR-E090	MYGR120 MYGR-E120	MYGR160 MYGR-E160	
额定输出力矩T <sub>2N</sub>	1	3	55	130	208	342	
		4	50	140	290	542	
		5	60	160	330	650	
		6	55	150	310	600	
		7	50	140	300	550	
		8	50	140	290	542	
		10	60	160	330	650	
		14	50	140	300	550	
		20	40	100	230	450	
		2	12	55	130	208	342
	15		55	130	208	342	
	20		50	140	290	542	
	25		60	160	330	650	
	30		55	130	208	342	
	35		60	160	330	650	
	40		50	140	290	542	
	50		60	160	330	650	
	60		55	150	310	600	
	70		60	160	330	650	
	80	50	140	290	542		
100	60	160	330	650			
120	-	150	310	600			
140	-	140	300	550			
160	-	120	260	500			
200	-	100	230	450			
最大输出力矩T <sub>2B</sub>	Nm	1,2	3~200	3倍额定输出力矩			
额定输入转速n <sub>1</sub>	rpm	1,2	3~200	5,000	4,000	4,000	3,000
最大输入转速n <sub>1B</sub>	rpm	1,2	3~200	10,000	8,000	8,000	6,000
背隙	arcmin	1	3~10	≤13	≤13	≤13	≤13
		2	12~200	≤15	≤15	≤15	≤15
扭转刚性	Nm/arcmin	1,2	3~200	7	14	25	50
容许径向力F <sub>2rB</sub> <sup>2</sup>	N	1,2	3~200	1,530	3,250	6,700	9,400
容许轴向力F <sub>2a1B</sub> <sup>2</sup>	N	1,2	3~200	630	1,300	3,000	4,000
容许轴向力F <sub>2a2B</sub> <sup>2</sup>	N	1,2	3~200	765	1,625	3,350	4,700
使用寿命	hr	1,2	3~200			20,000*	
		1	3~20			≤95%	
效率 η	%	2	12~200			≤92%	
		1	3~20	2.1	6.4	13	24.5
重量	kg	2	12~200	2.5	7.8	14.2	27.5
使用温度	°C	1,2	3~200	-10°C~+90°C			
润滑		1,2	3~200	合成润滑油脂			
防护等级		1,2	3~200	IP65			
安装方向		1,2	3~200	任意方向			
噪音值 (n <sub>1</sub> =3000rpm)	dB	1,2	3~200	≤63	≤65	≤68	≤70

## 惯量 -MYGR 减速机

规格	级数	减速比 <sup>1</sup>	MYGR060 MYGR-E060	MYGR090 MYGR-E090	MYGR120 MYGR-E120	MYGR160 MYGR-E160
转动惯量J <sub>1</sub>	1	3~7	0.35	2.25	6.84	23.4
		8~10	0.07	1.87	6.25	21.8
		14~20	0.07	1.87	6.25	21.8
	2	12~40	0.09	0.35	2.25	6.84
		50	0.09	0.31	1.87	6.25
		60	0.09	0.35	2.25	6.84
		70~100	0.09	0.31	1.87	6.25
		120~200	-	0.31	1.87	6.25

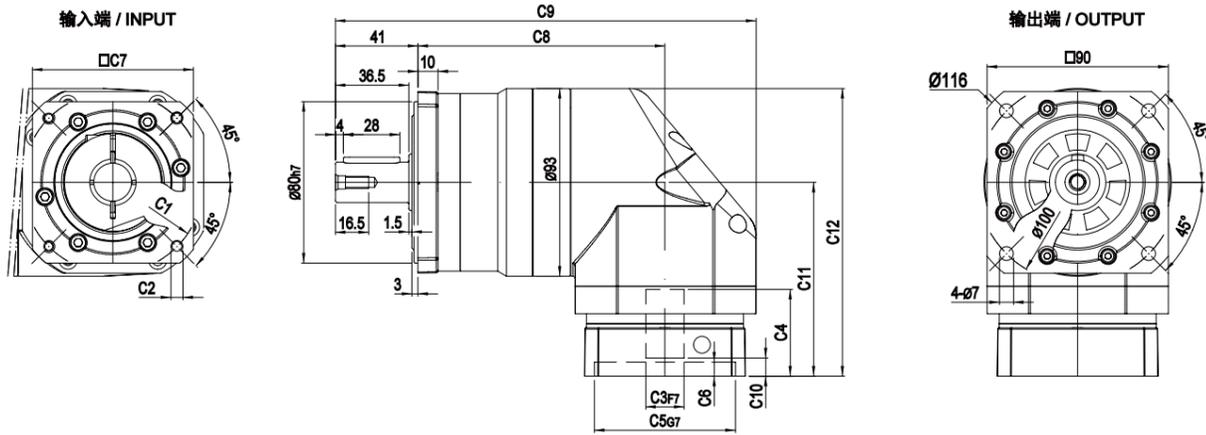
1. 减速比 (i=N<sub>in</sub>/N<sub>out</sub>)  
\* 连续运转降低使用寿命二分之一。

2. 输出转速 100rpm 时，作用于输出轴中心位置。

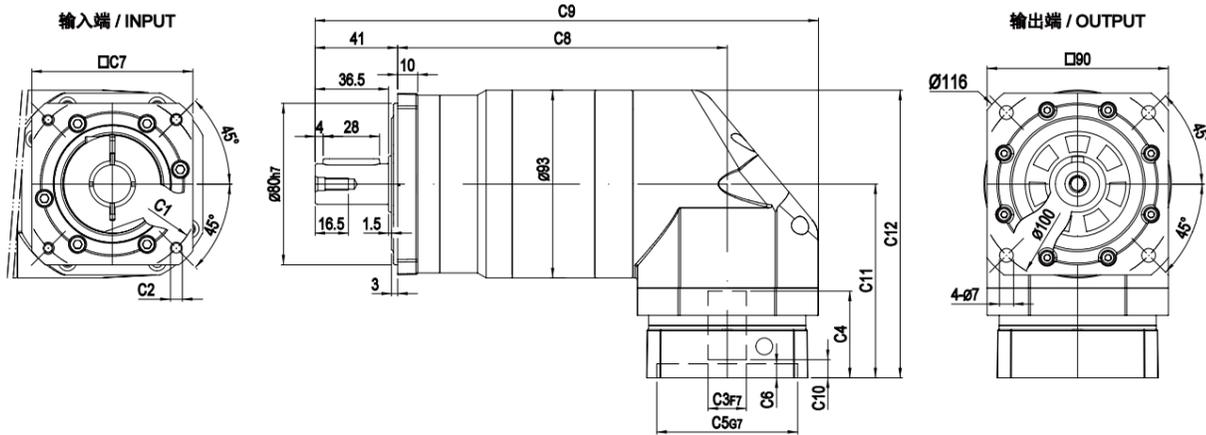


外形尺寸图 / OUTLINE DIMENSION SHEET

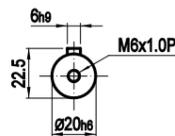
MYGR-090-L1



MYGR-090-L2



输出轴径 / Output Diameter

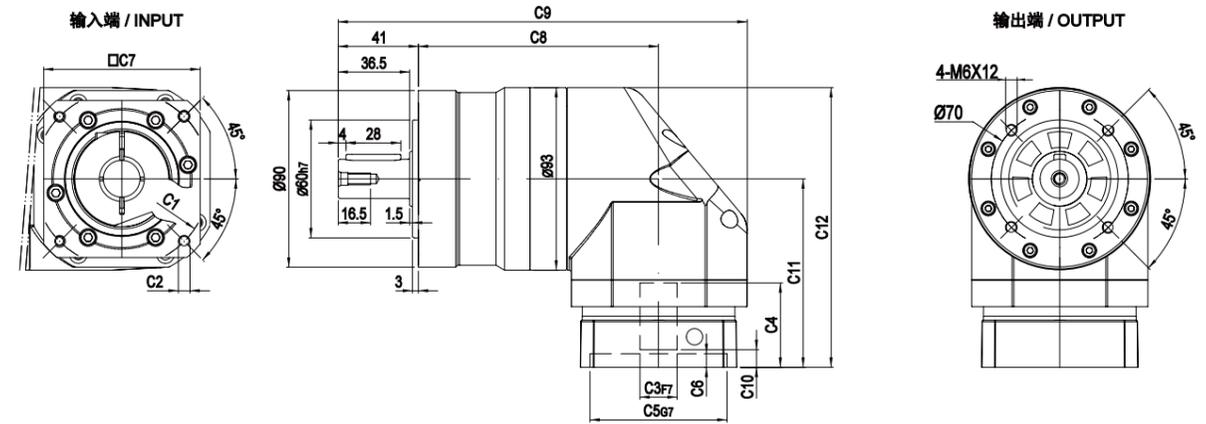


尺寸	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12
MYGR-090-L1	$\phi 90$	4-M5x15, 4-M6x15	$\phi 19$	44	$\phi 70$	7	80	123	209	9	96	142.5
	$\phi 100$	4-M6x15	$\phi 16, \phi 19$	44	$\phi 80$	7	86	123	209	9	96	142.5
	$\phi 115$	4-M8x20	$\phi 19, \phi 22, \phi 24$	56.5	$\phi 95$	10	100	123	214	17.5	108.5	155
	$\phi 145$	4-M8x20	$\phi 19, \phi 22, \phi 24$	60	$\phi 110$	8	130	123	229	21	112	158.5
MYGR-090-L2	$\phi 90$	4-M5x15, 4-M6x15	$\phi 19$	44	$\phi 70$	7	80	164	250	9	96	142.5
	$\phi 100$	4-M6x15	$\phi 16, \phi 19$	44	$\phi 80$	7	86	164	250	9	96	142.5
	$\phi 115$	4-M8x20	$\phi 19, \phi 22, \phi 24$	56.5	$\phi 95$	10	100	164	255	17.5	108.5	155
	$\phi 145$	4-M8x20	$\phi 19, \phi 22, \phi 24$	60	$\phi 110$	8	130	164	270	21	112	158.5

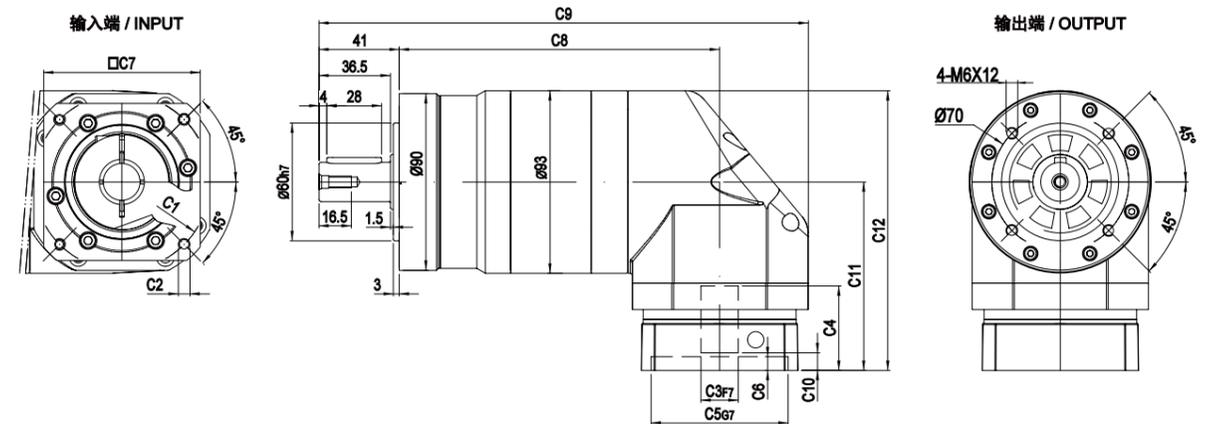
\* C1~C7是公制标准马达连接板之尺寸, 可根据客户要求单独定做。  
\* C1~C7 are motor (metric standard) specific dimensions, which could be customised.

外形尺寸图 / OUTLINE DIMENSION SHEET

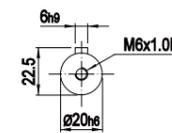
MYGR-E-090-L1



MYGR-E-090-L2



输出轴径 / Output Diameter

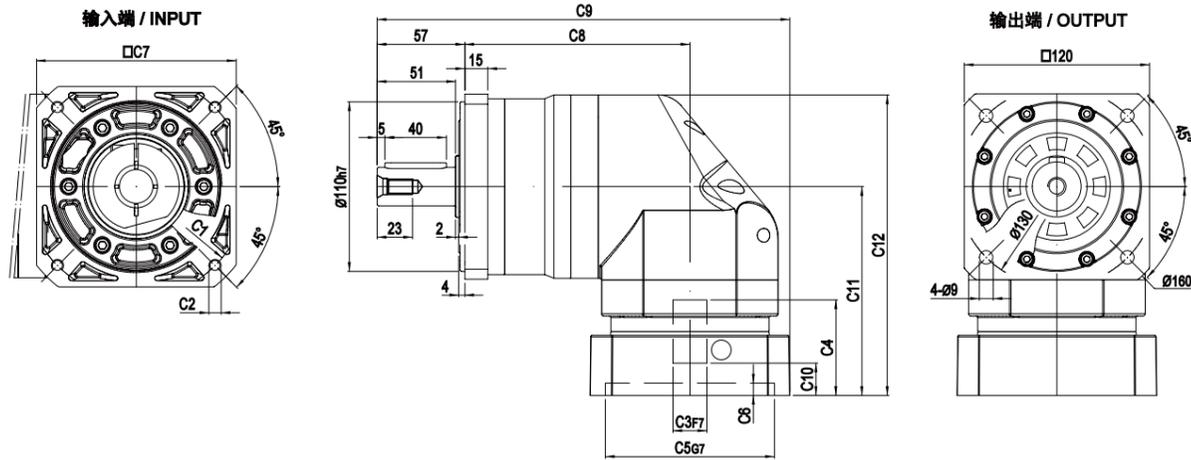


尺寸	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12
MYGR-E-090-L1	$\phi 90$	4-M5x15, 4-M6x15	$\phi 19$	44	$\phi 70$	7	80	123	209	9	96	142.5
	$\phi 100$	4-M6x15	$\phi 16, \phi 19$	44	$\phi 80$	7	86	123	209	9	96	142.5
	$\phi 115$	4-M8x20	$\phi 19, \phi 22, \phi 24$	56.5	$\phi 95$	10	100	123	214	17.5	108.5	155
	$\phi 145$	4-M8x20	$\phi 19, \phi 22, \phi 24$	60	$\phi 110$	8	130	123	229	21	112	158.5
MYGR-E-090-L2	$\phi 90$	4-M5x15, 4-M6x15	$\phi 19$	44	$\phi 70$	7	80	164	250	9	96	142.5
	$\phi 100$	4-M6x15	$\phi 16, \phi 19$	44	$\phi 80$	7	86	164	250	9	96	142.5
	$\phi 115$	4-M8x20	$\phi 19, \phi 22, \phi 24$	56.5	$\phi 95$	10	100	164	255	17.5	108.5	155
	$\phi 145$	4-M8x20	$\phi 19, \phi 22, \phi 24$	60	$\phi 110$	8	130	164	270	21	112	158.5

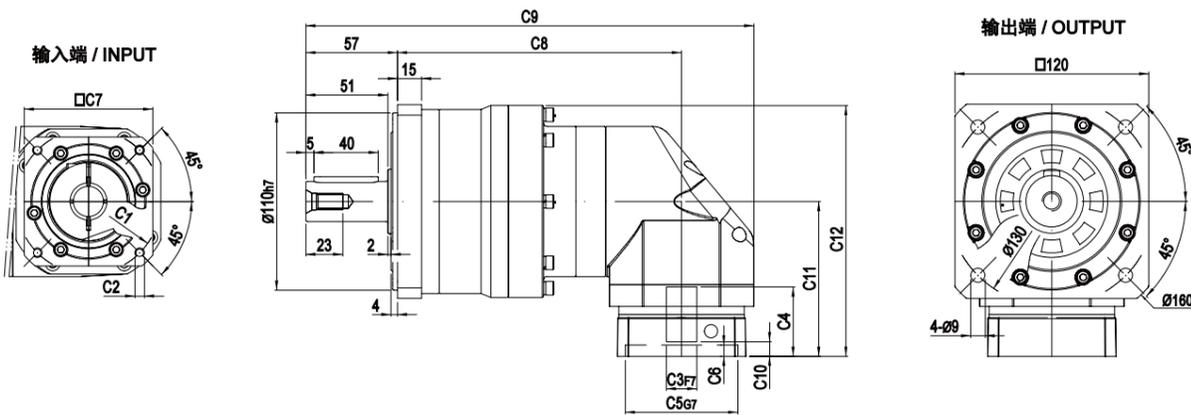
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外形尺寸图 / OUTLINE DIMENSION SHEET

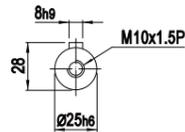
MYGR-120-L1



MYGR-120-L2



输出轴径 / Output Diameter

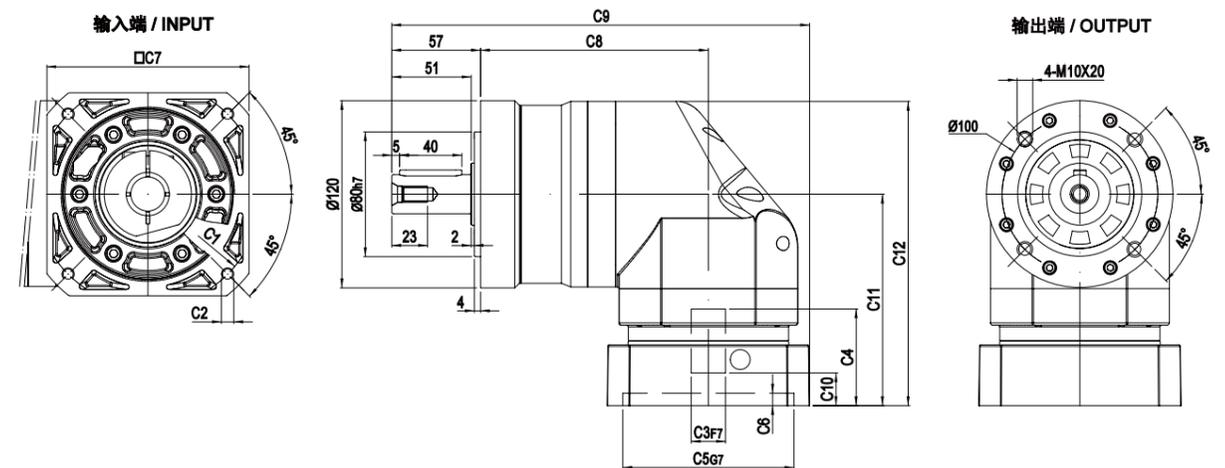


尺寸	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12
MYGR-120-L1	$\phi 145$	4-M8x20	$\phi 19, \phi 22, \phi 24$	64	$\phi 110$	8	130	146.5	268.5	21	135.5	195
	$\phi 200$	4-M12x30	$\phi 35$	82	$\phi 114.3$	10	180	146.5	293.5	28	152.5	212
MYGR-120-L2	$\phi 90$	4-M5x15, 4-M6x15	$\phi 19$	44	$\phi 70$	7	80	177	279	9	96	155.5
	$\phi 100$	4-M6x15	$\phi 16, \phi 19$	44	$\phi 80$	7	86	177	279	9	96	155.5
	$\phi 115$	4-M8x20	$\phi 19, \phi 22, \phi 24$	56.5	$\phi 95$	10	100	177	284	17.5	108.5	168
$\phi 145$	4-M8x20	$\phi 19, \phi 22, \phi 24$	60	$\phi 110$	8	130	177	299	21	112	171.5	

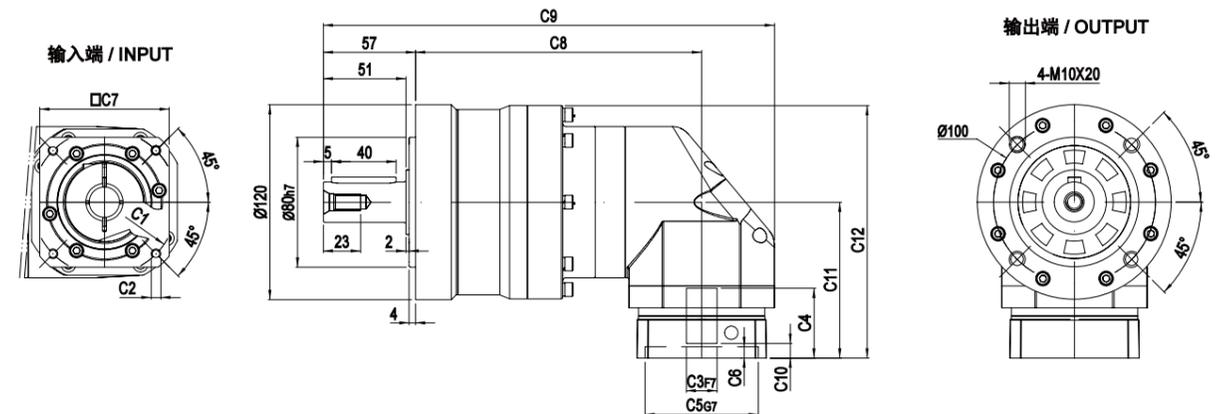
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外形尺寸图 / OUTLINE DIMENSION SHEET

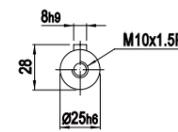
MYGR-E-120-L1



MYGR-E-120-L2



输出轴径 / Output Diameter

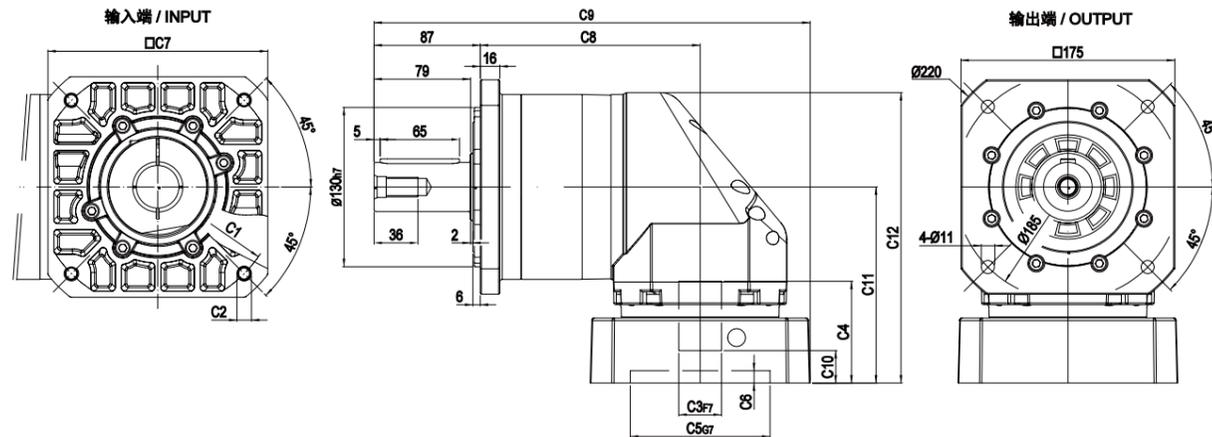


尺寸	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12
MYGR-E-120-L1	$\phi 145$	4-M8x20	$\phi 19, \phi 22, \phi 24$	64	$\phi 110$	8	130	146.5	268.5	21	135.5	195
	$\phi 200$	4-M12x30	$\phi 35$	82	$\phi 114.3$	10	180	146.5	293.5	28	152.5	212
MYGR-E-120-L2	$\phi 90$	4-M5x15, 4-M6x15	$\phi 19$	44	$\phi 70$	7	80	177	279	9	96	155.5
	$\phi 100$	4-M6x15	$\phi 16, \phi 19$	44	$\phi 80$	7	86	177	279	9	96	155.5
	$\phi 115$	4-M8x20	$\phi 19, \phi 22, \phi 24$	56.5	$\phi 95$	10	100	177	284	17.5	108.5	168
$\phi 145$	4-M8x20	$\phi 19, \phi 22, \phi 24$	60	$\phi 110$	8	130	177	299	21	112	171.5	

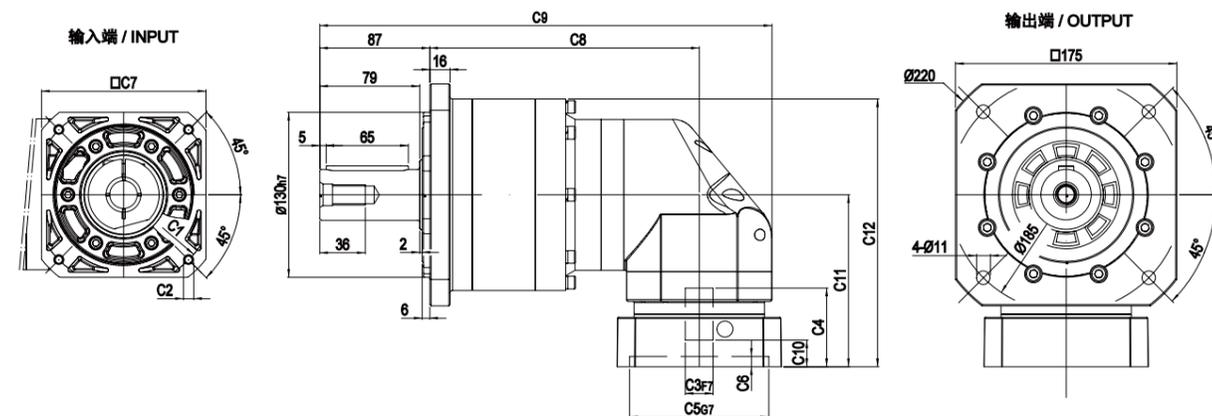
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外形尺寸图 / OUTLINE DIMENSION SHEET

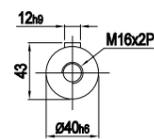
MYGR-160-L1



MYGR-160-L2



输出轴径 / Output Diameter

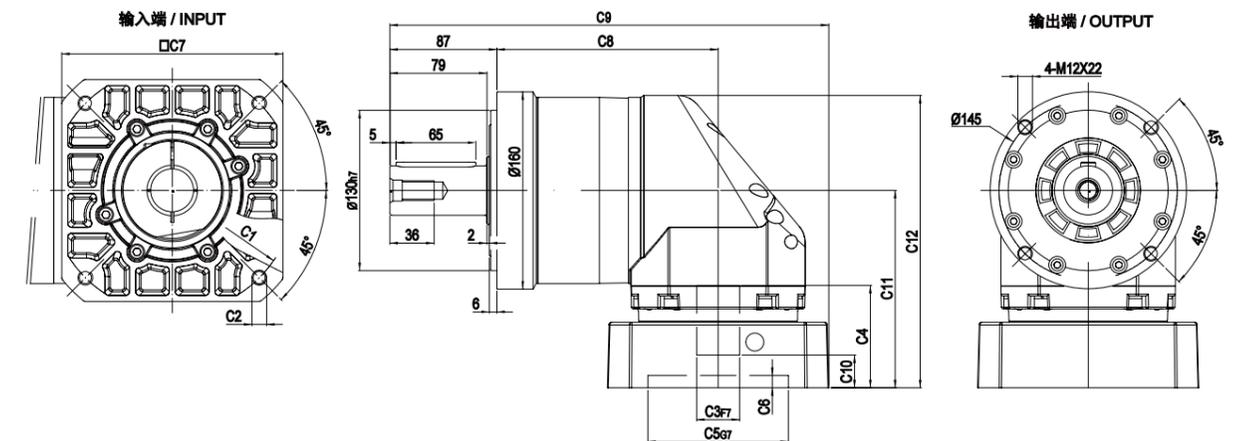


尺寸	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12
MYGR-160-L1	Ø145	4-M8x20	Ø22,Ø24	72	Ø110	10	130	180	338	20.5	149	226
	Ø200	4-M12x30	Ø35	82	Ø114.3	10	180	180	357	26.5	160	237
MYGR-160-L2	Ø145	4-M8x20	Ø19,Ø22,Ø24	64	Ø110	8	130	213	365	21	135.5	211
	Ø200	4-M12x30	Ø35	82	Ø114.3	10	180	213	390	28	152.5	228

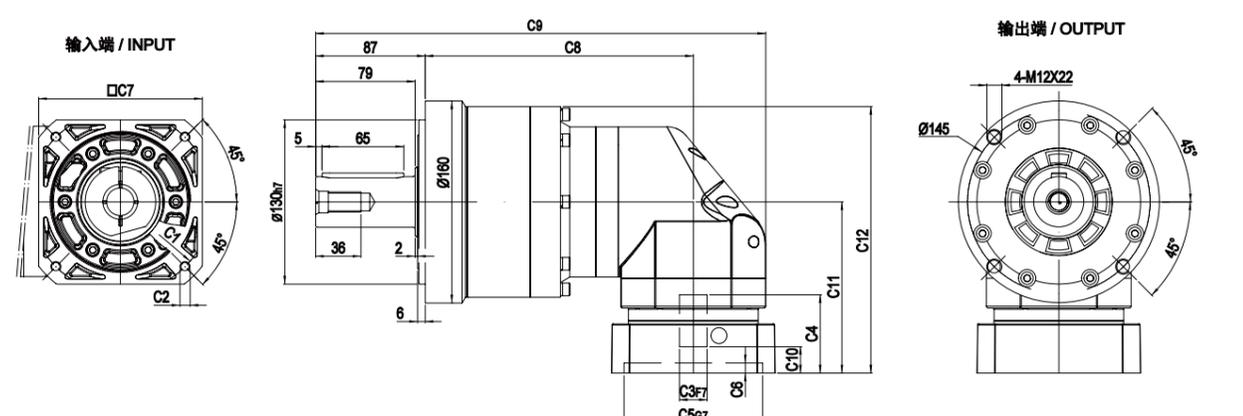
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外形尺寸图 / OUTLINE DIMENSION SHEET

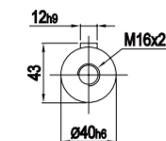
MYGR-E-160-L1



MYGR-E-160-L2



输出轴径 / Output Diameter



尺寸	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12
MYGR-E-160-L1	Ø145	4-M8x20	Ø22,Ø24	72	Ø110	10	130	180	338	20.5	149	226
	Ø200	4-M12x30	Ø35	82	Ø114.3	10	180	180	357	26.5	160	237
MYGR-E-160-L2	Ø145	4-M8x20	Ø19,Ø22,Ø24	64	Ø110	8	130	213	365	21	135.5	211
	Ø200	4-M12x30	Ø35	82	Ø114.3	10	180	213	390	28	152.5	228

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