

CNC DÜNYASI

JKON-TEK

To Be The Best Motion Control Provider

Servo Motor ve **Step Motor** **Planet Redüktörleri**

Ürün Kataloğu ve
2025-1 Fiyat Listesi



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JKON-TEK

To Be The Best Motion Control Provider

Servo Motor ve Step Motor Planet Redüktörleri

- Otomasyon uygulamaları için ekonomik ürünler
- Planet ve düz dişli sistemli servo ve step motor redüktörleri
 - Düşük gürültü <65 db
 - Yüksek verimlilik
 1. Kademe <%97
 2. Kademe <%95
 - Yüksek hassasiyet
 1. Kademe <3 arcmin
 2. Kademe <5 arcmin
- Yüksek giriş devri kapasitesi max. 5000 rpm
 - Yüksek stabilite
 - Yüksek çıkış torku

CNC DÜNYASI

400W SERVO MOTOR REDÜKTÖRÜ

AÇIKLAMA	MODEL NO	LİSTE FİYAT (USD)
1:3 ÇEVİRİM ORANLI PLANET REDÜKTÖR	PLF060-L1-3-S2-P2-14	120,00
1:10 ÇEVİRİM ORANLI PLANET REDÜKTÖR	PLF060-L1-10-S2-P2-14	120,00

57 FLANŞ STEP MOTOR REDÜKTÖRÜ

AÇIKLAMA	MODEL NO	LİSTE FİYAT (USD)
1:3 ÇEVİRİM ORANLI PLANET REDÜKTÖR	PLF060-L1-3-S2-P2-8	120,00
1:10 ÇEVİRİM ORANLI PLANET REDÜKTÖR	PLF060-L1-10-S2-P2-8	120,00

750W SERVO MOTOR REDÜKTÖRÜ

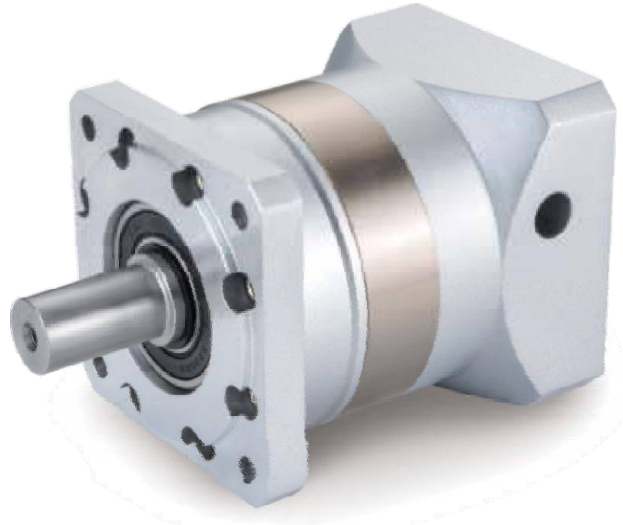
AÇIKLAMA	MODEL NO	LİSTE FİYAT (USD)
1:3 ÇEVİRİM ORANLI PLANET REDÜKTÖR	PLF090-L1-3-S2-P2-19	165,00
1:10 ÇEVİRİM ORANLI PLANET REDÜKTÖR	PLF090-L1-10-S2-P2-19	165,00

86 FLANŞ STEP MOTOR REDÜKTÖRÜ

AÇIKLAMA	MODEL NO	LİSTE FİYAT (USD)
1:3 ÇEVİRİM ORANLI PLANET REDÜKTÖR	PLF090-L1-3-S2-P2-14	165,00
1:10 ÇEVİRİM ORANLI PLANET REDÜKTÖR	PLF090-L1-10-S2-P2-14	165,00

1 KW-1,5 KW SERVO MOTOR REDÜKTÖRÜ

AÇIKLAMA	MODEL NO	LİSTE FİYAT (USD)
1:5 ÇEVİRİM ORANLI PLANET REDÜKTÖR	PLF120-L1-5-S2-P2-24	270,00
1:10 ÇEVİRİM ORANLI PLANET REDÜKTÖR	PLF120-L1-10-S2-P2-24	270,00



Product features

产品特点

精密行星齿轮减速机是我公司自主研发的新一代实用性产品，具有以下一些主要特点

Precision planetary gear reducer is a new generation of practical products independently developed by our company, which has the following main characteristics



低噪音
Low noise

低于65db。
below 65db.



高输入转速
High input speed

可达5000RPM。
Up to 5000RPM.



低间隙
Low Backlash

单级可达3弧分内，双级可达5弧分内。
One stage within 3 arc minutes, Two stage with 5 arcmin.



高扭矩
High torque

比一般行星减速机扭矩高。
Higher than conventional planetary gearbox.



高效率
High efficiency

单段式在97%以上，双段式在95%以上。
One stage is exceed 97%, Two stage is exceed 95%.



高稳定性
High stability

采用高强度合金钢材，整个齿轮经硬化处理，非只有表面硬化，确保使用寿命及长期使用仍保持最初的精密度。

Using high-strength steel alloy material .Not just hardening on gear surface, but hardening entire gear to insure the gear life time and maintain high accuracy.

Product application

产品用途

精密行星齿轮减速机被广泛应用于以下领域

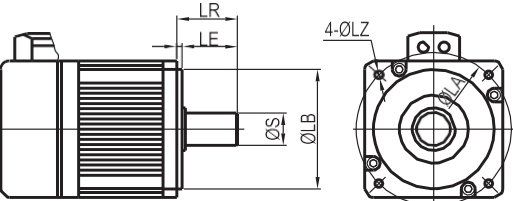
Precision planetary gear reducer is widely used in the following fields

- 01 航空航天、军事产业。
Aerospace, military industries.
- 02 医疗卫生、电子信息产业。
Medical health care, electronic information technology industry.
- 03 工业机器人、生产自动化、数控机床制造产业。
Industrial robot, production automation, CNC machine tool manufacturing industry.
- 04 汽车制造、纺织、印刷、食品、冶金、环保工程、仓储物流等产业。
Motor, textile, printing, food, metallurgical, environmental protection engineering, warehouse and logistics industry.

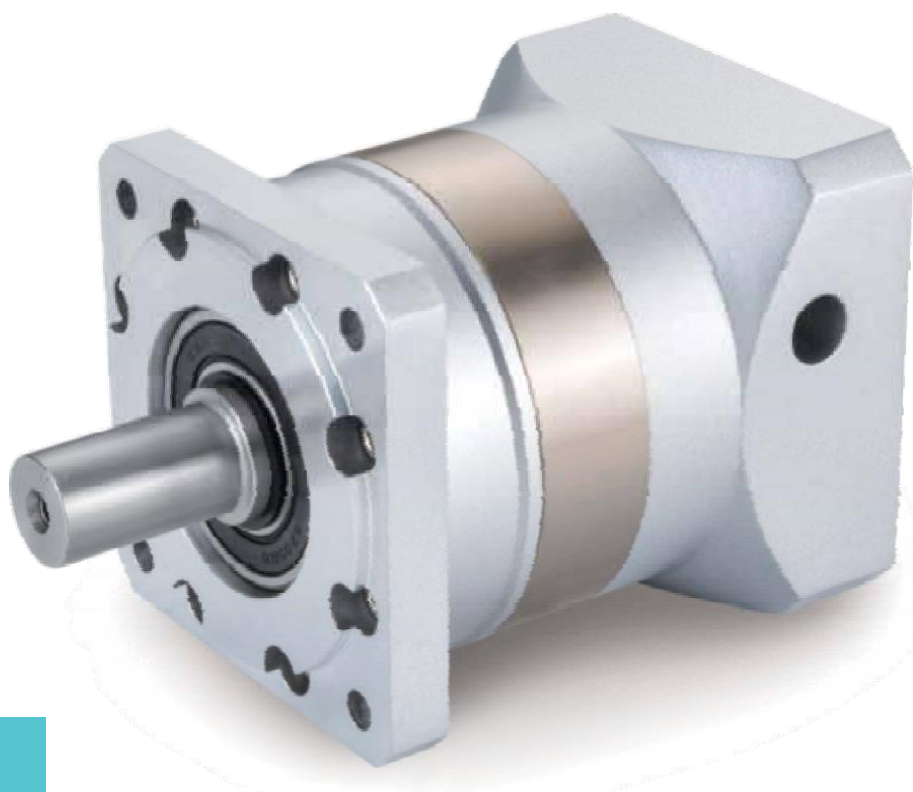
Description Reducer

减速机订货说明

减速机型号说明									
PL	F	090	L1	7	20	002	YT	19	
									19: 电机输入轴径 Motor input shaft diameter
									YT: 法兰种类 The flange species (YT: 一体法兰Integral flange FT:分体法兰Split flange)
									002: 连接法兰编号 Connecting flange serial number
									20: 输出轴径 Output shaft diameter
									7: 减速比 Ratio (详情请参阅内页 Refer to the inside page for details)
									L1: 级数 Stage(L1:一级1Stage L2:二级2Stage L3:三级3Stage)
									090: 规格 Model(060/090/120/142/160/190/242/285/330)
									F: 系列名称 Series name
PL: PL减速机的名称 Model name for PL reducer									

电机输出安装尺寸说明		
	(ΦS×LR / ΦLB×LE / 4-ΦLZ-ΦLA)	
	电机“安装孔”相关尺寸 4: 安装孔数量，一般为4个 ΦLZ: 安装孔的直径（注意螺纹孔时为M） ΦLA: 安装孔分度圆（虚拟圆）直径	
	电机”安装凸台”相关尺寸 ΦLB: 凸台直径 LE: 凸台深度	
	电机“输出轴”相关尺寸 ΦS: 电机轴直径 LR: 包括凸台后的长度	

- PLF060
- PLF080
- PLF090
- PLF120
- PLF160



PLF

Series

PLF系列减速机核心特性

The Core Characteristics of PLF Series Reducer

- 1 采用直齿齿轮传动，经渗碳淬火处理，齿向齿廓修形处理，确保运行平稳，噪音小；
- 2 结构简单，可大批量生产，且交货期快性价比高；
- 3 减速机种类齐全，可以满足市场上绝大多数减速机的配合。

- 1 Adopt straight tooth gear transmission, through carburizing and quenching treatment, tooth profile modification treatment, ensure smooth operation, low noise.
- 2 Simple structure, mass production, and fast delivery time and high cost performance.
- 3 Reducer has a complete range, which can meet the needs of most reducer in the market.

减速机性能资料

Gear box performance information

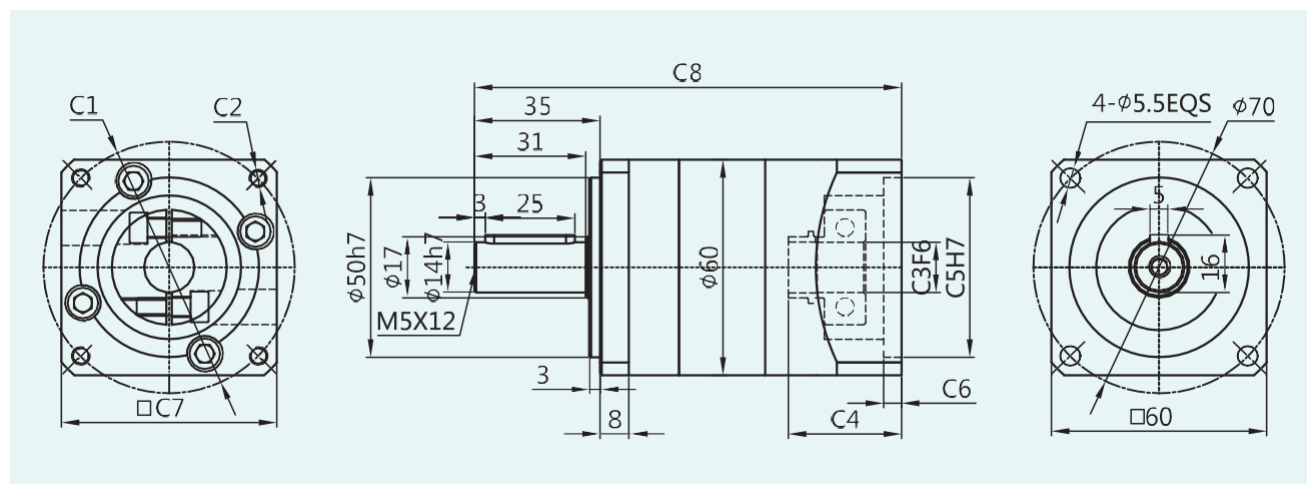
型号 Model	单位 Unit	PLF060	PLF080	PLF090	PLF120	PLF160	减速比 Ratio	Stage
额定输出扭矩 Rated output torque	N·m	16.5	60	60	148	310	3	1
		27	86	86	222	605	4	
		27	94.5	94.5	235	420	5	
		19.5	64	64	158	(270)	7(8)	
		8.5	39.5	39.5	93	-	10	
			96	96	250	680	12	2
			96	96	250	-	15	
		30	96	96	250	680	16	
		30	96	96	250	680	20	
		33	105.5	105.5	264	460	25	
		30	96	96	250	(680)	28(32)	
		33	105.5	105.5	264	-	35	
		30	96	96	250	460	40	
		33	105.5	105.5	264	(310)	50(64)	
		21.5	71.5	71.5	177	-	70	3
		37.5	120	120	310	900	64	
		37.5	120	120	310	900	80	
		37.5	120	120	310	900	100	
		41.0	132.5	132.5	329	580	125	
		37.5	120	120	310	(580)	140(160)	
		41.0	132.5	132.5	329	-	175	
		37.5	120	120	310	580	200	
		41.0	132.5	132.5	329	(900)	250(256)	
		37.5	120	120	310	(580)	280(320)	
		41.0	132.5	132.5	329	(400)	350(512)	
故障停滞扭矩 Emergency stop torque	N·m	2倍额定输出扭矩 2 times Rated output torque						
额定输入转速 Norminal input speed	rmp	3000	3000	3000	2000	2000		
最大输入转速 Maximum input speed	rmp	6000	6000	6000	3500	3500		
最大径向力 Maximum radial force	N	170	1020	1020	2230	3200		
最大轴向力 Maximum axial force	N	120	850	850	1550	3000		
效率 Efficiency	%	Single [97%]			Double [95%]			
平均寿命 Average lifetime	h	20000						
重量 Weight	kg	1.4	3.7	4.7	6.9	19		1
		1.6	4.2	5.3	8.9	25		2
		1.8	4.7	5.9	11.2	31		3

减速机性能资料
Gear box performance information

型号 Model	单位 Unit	PLF060	PLF080	PLF090	PLF120	PLF160	减速比 Ratio	Stage
转动惯量 Moment of inertia	kgcm ²	0.107	0.4	0.4	1.65	4.31	3	1
		0.092	0.291	0.291	1.15	4.93	5	
		0.091	0.283	0.283	1.11	-	10	2
			0.309	0.309	1.65	-	15	
		0.092	0.291	0.291	1.15	4.93	20	
		0.091	0.285	0.285	1.13	(4.84)	28(32)	
			0.285	0.285			35	
		0.091	0.2835	0.2835	1.11	4.84	40	
			0.283	0.283			50(64)	
		0.091	0.283	0.283	1.11	-	70	
			0.291	0.291			64	
		0.092	0.291	0.291	1.15	4.93	80	3
			0.291	0.291			100	
		0.092	0.291	0.291	1.15	4.84	125	
			0.291	0.291			140(160)	
		0.091	0.291	0.291	1.13	-	175	
			0.283	0.283			200	
		0.091	0.283	0.283	1.11	(4.84)	250(256)	
			0.283	0.283			280(320)	
		0.091	0.283	0.283	1.11	(4.84)	350(512)	
噪音 Noise	dB		65	65				
润滑 Lubricating		合成油脂润滑 Synthetic grease lubrication						
防护等级 levels of protection								

外形尺寸图表
Outline dimensional

PLF-060-L1

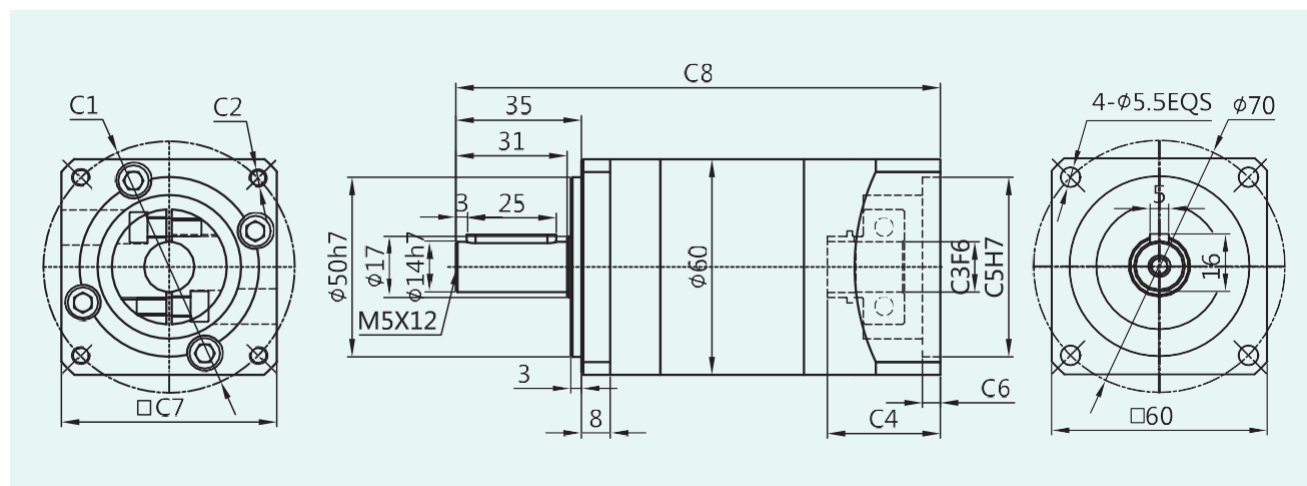


适配电机输入接口尺寸(左端为输入尺寸)

Adapter motor input interface size (The left end is the input size)

尺寸 Size	C1	C2	C3	C4	C5	C6	C7	C8
PLF-060-L1	□47.14	4-M4	Φ8	31.5	Φ38.1	5.0	60	119
	Φ46	4-M4	Φ8	31.5	Φ30	5.0	60	119
	Φ45	4-M3	Φ8	31.5	Φ30	5.0	60	119
	Φ70	4-M4/4-M5	Φ14	31.5	Φ50	5.0	60	119

PLF-060-L2



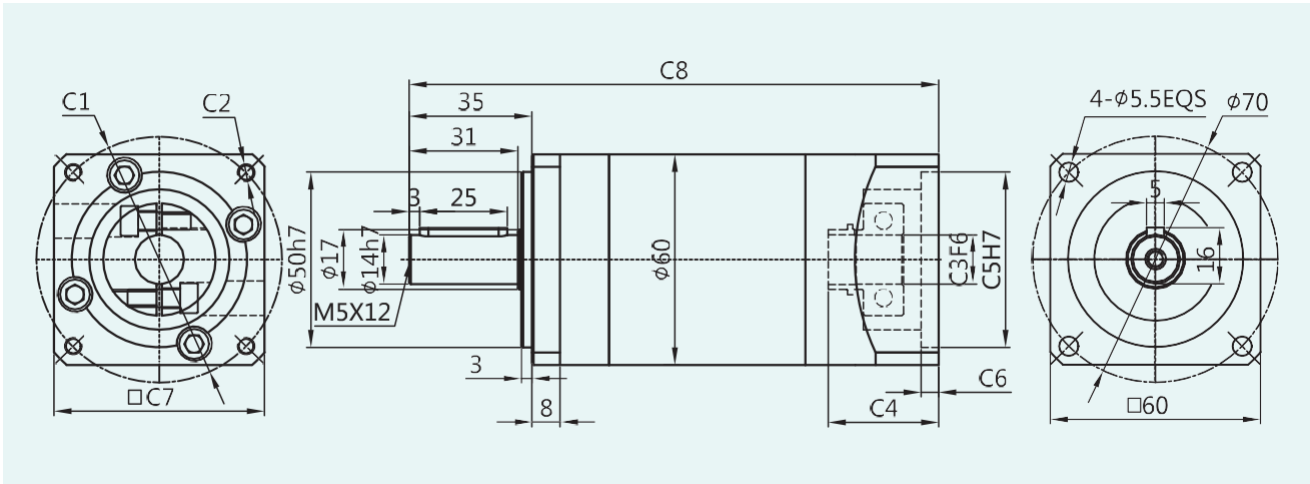
适配电机输入接口尺寸(左端为输入尺寸)

Adapter motor input interface size (The left end is the input size)

尺寸 Size	C1	C2	C3	C4	C5	C6	C7	C8
PLF-060-L2	□47.14	4-M4	Φ8	31.5	Φ38.1	5.0	60	135
	Φ46	4-M4	Φ8	31.5	Φ30	5.0	60	135
	Φ45	4-M3	Φ8	31.5	Φ30	5.0	60	135
	Φ70	4-M4/4-M5	Φ14	31.5	Φ50	5.0	60	135

外形尺寸图表
Outline dimensional

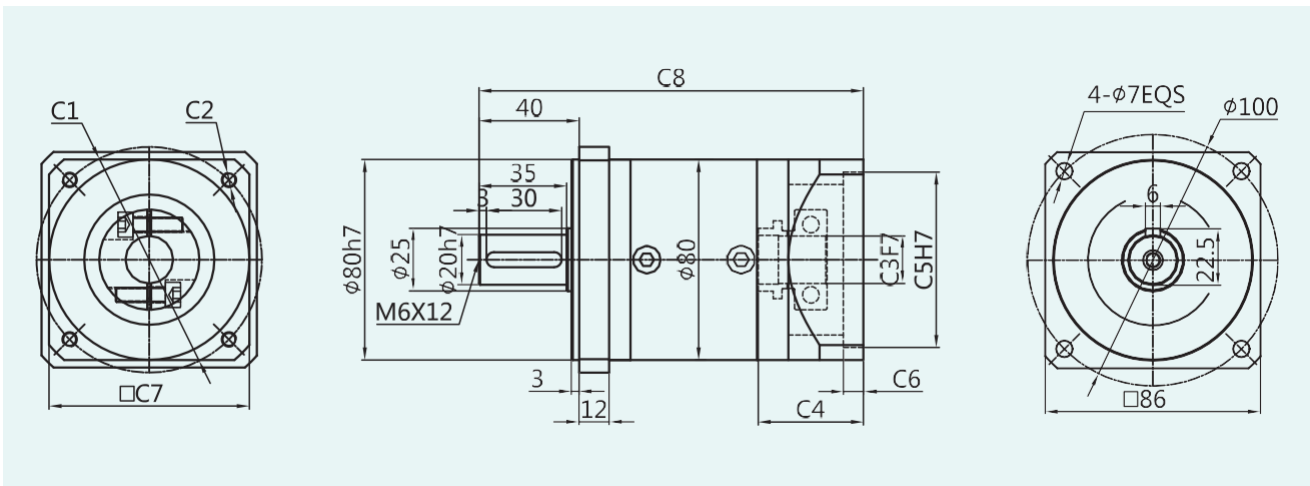
PLF-060-L3



适配电机输入接口尺寸(左端为输入尺寸)
Adapter motor input interface size (The left end is the input size)

尺寸 Size	C1	C2	C3	C4	C5	C6	C7	C8
PLF-060-L3	□47.14	4-M4	Φ8	31.5	Φ38.1	5.0	60	151
	Φ46	4-M4	Φ8	31.5	Φ30	5.0	60	151
	Φ45	4-M3	Φ8	31.5	Φ30	5.0	60	151
	Φ70	4-M4/4-M5	Φ14	31.5	Φ50	5.0	60	151

PLF-080-L1

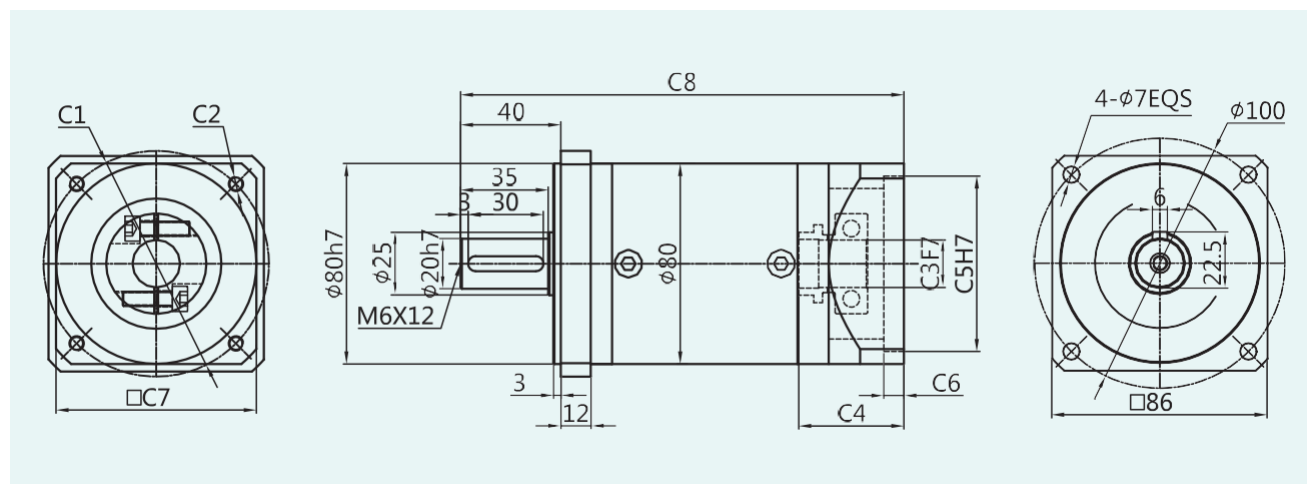


适配电机输入接口尺寸(左端为输入尺寸)
Adapter motor input interface size (The left end is the input size)

尺寸 Size	C1	C2	C3	C4	C5	C6	C7	C8
PLF-080-L1	Φ70	4-M4/4-M5	Φ14	42	Φ50	8.0	80	153
	□69.6	4-M6	Φ14	42	Φ73	8.0	80	153
	Φ90	4-M5/4-M6	Φ19	42	Φ70	8.0	80	153

外形尺寸图表
Outline dimensional

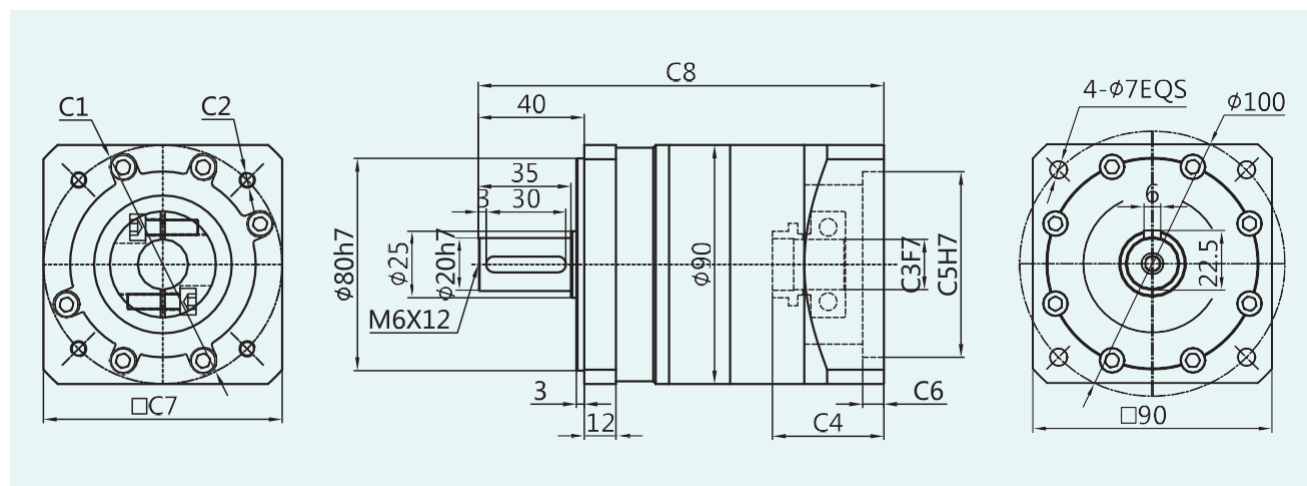
PLF-080-L2



适配电机输入接口尺寸(左端为输入尺寸)
Adapter motor input interface size (The left end is the input size)

尺寸 Size	C1	C2	C3	C4	C5	C6	C7	C8
PLF-080-L2	Φ70	4-M4/4-M5	Φ14	42	Φ50	8.0	80	176.5
	□69.6	4-M6	Φ14	42	Φ73	8.0	80	176.5
	Φ90	4-M5/4-M6	Φ19	42	Φ70	8.0	80	176.5

PLF-090-L1

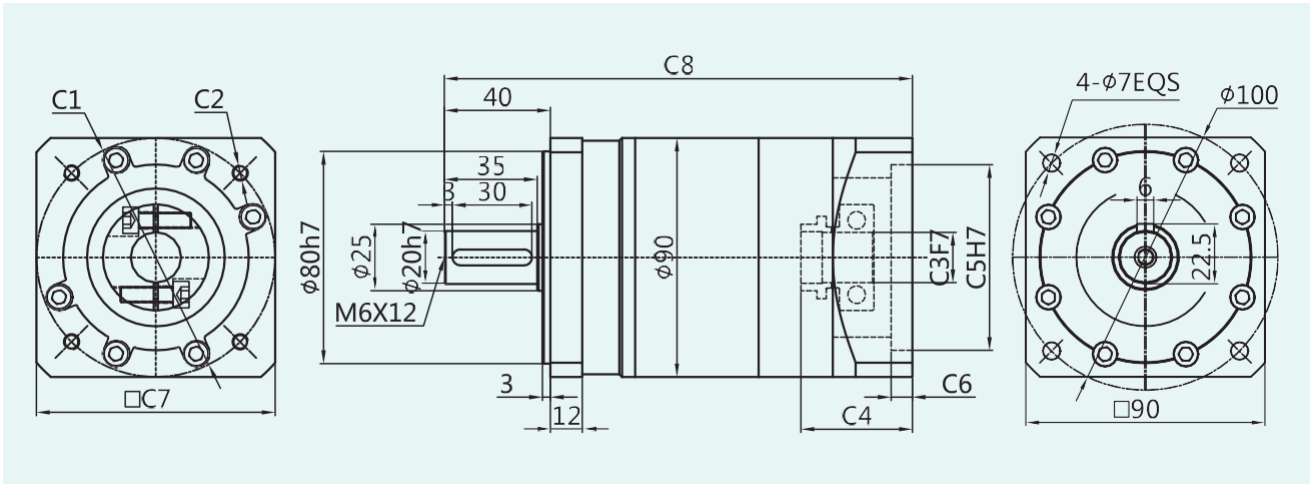


适配电机输入接口尺寸(左端为输入尺寸)
Adapter motor input interface size (The left end is the input size)

尺寸 Size	C1	C2	C3	C4	C5	C6	C7	C8
PLF-090-L1	Φ70	4-M4/4-M5	Φ14	42	Φ50	8.0	90	153
	□69.6	4-M6	Φ14	42	Φ73	8.0	90	153
	Φ90	4-M5/4-M6	Φ19	42	Φ70	8.0	90	153

外形尺寸图表
Outline dimensional

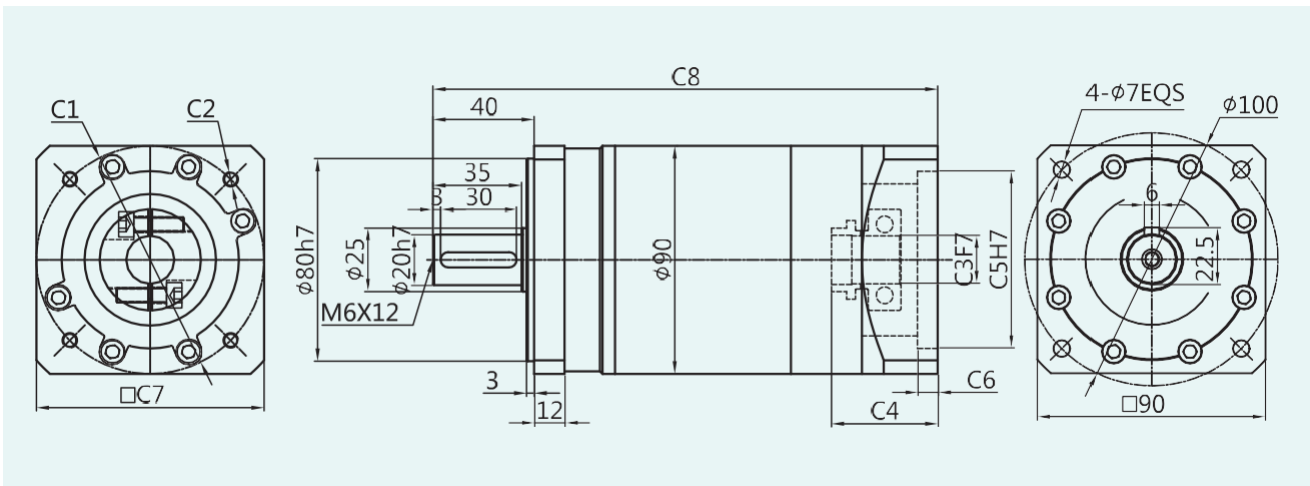
PLF-090-L2



适配电机输入接口尺寸(左端为输入尺寸)
Adapter motor input interface size (The left end is the input size)

尺寸 Size	C1	C2	C3	C4	C5	C6	C7	C8
PLF-090-L2	$\phi 70$	4-M4/4-M5	$\phi 14$	42	$\phi 50$	8.0	90	176.5
	$\square 69.6$	4-M6	$\phi 14$	42	$\phi 73$	8.0	90	176.5
	$\phi 90$	4-M5/4-M6	$\phi 19$	42	$\phi 70$	8.0	90	176.5

PLF-090-L3

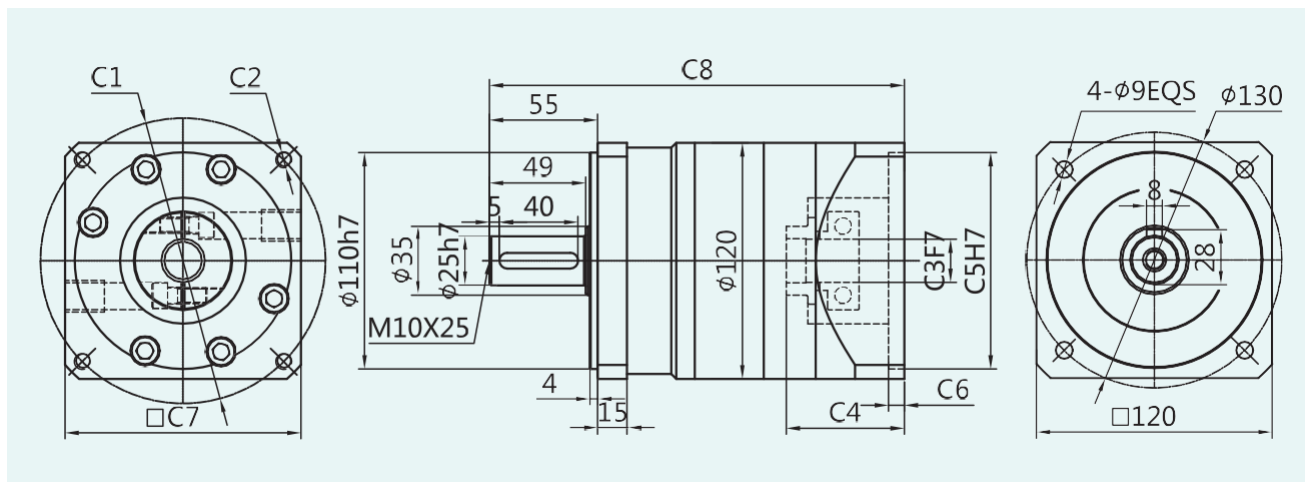


适配电机输入接口尺寸(左端为输入尺寸)
Adapter motor input interface size (The left end is the input size)

尺寸 Size	C1	C2	C3	C4	C5	C6	C7	C8
PLF-090-L3	$\phi 70$	4-M4/4-M5	$\phi 14$	42	$\phi 50$	8.0	90	199.5
	69.6	4-M6	$\phi 14$	42	$\phi 73$	8.0	90	199.5
	$\phi 90$	4-M5/4-M6	$\phi 19$	42	$\phi 70$	8.0	90	199.5

外形尺寸图表
Outline dimensional

PLF-120-L1

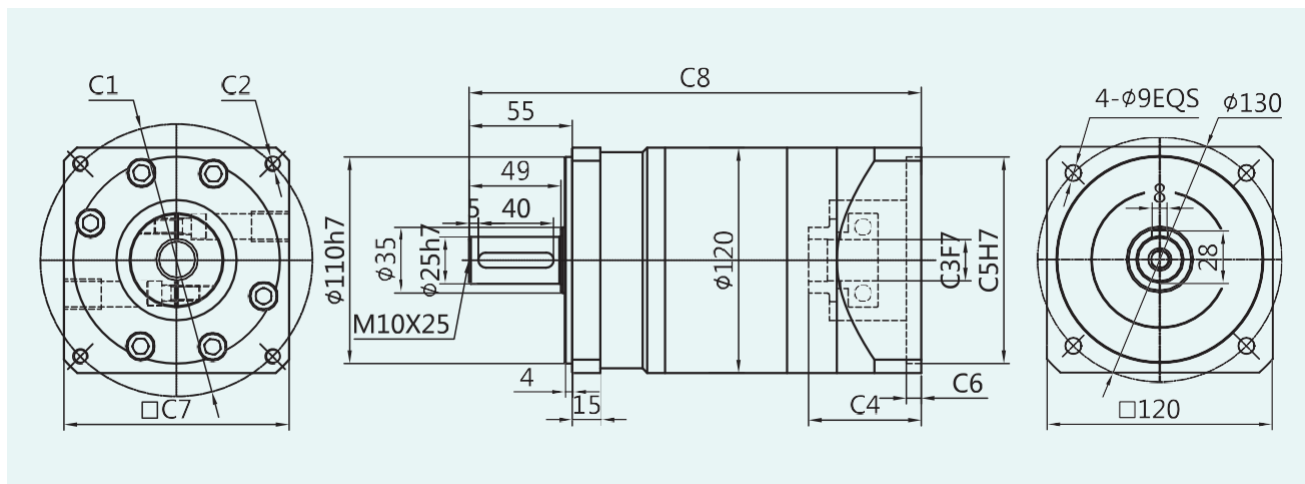


适配电机输入接口尺寸(左端为输入尺寸)

Adapter motor input interface size (The left end is the input size)

尺寸 Size	C1	C2	C3	C4	C5	C6	C7	C8
PLF-120-L1	Φ90	4-M5/4-M6	Φ19	47	Φ70	8	90	200
	Φ115	4-M8	Φ19/Φ22	60	Φ95	8	130	211
	Φ130	4-M8	Φ19/Φ22	60	Φ95	8	130	211
	Φ145	4-M8	Φ19/Φ22/Φ24	60	Φ110	8	180	211

PLF-120-L2



适配电机输入接口尺寸(左端为输入尺寸)

Adapter motor input interface size (The left end is the input size)

尺寸 Size	C1	C2	C3	C4	C5	C6	C7	C8
PLF-120-L2	Φ90	4-M5/4-M6	Φ19	47	Φ70	8	90	230
	Φ115	4-M8	Φ19/Φ22	60	Φ95	8	130	241
	Φ130	4-M8	Φ19/Φ22	60	Φ95	8	130	241
	Φ145	4-M8	Φ19/Φ22/Φ24	60	Φ110	8	180	241

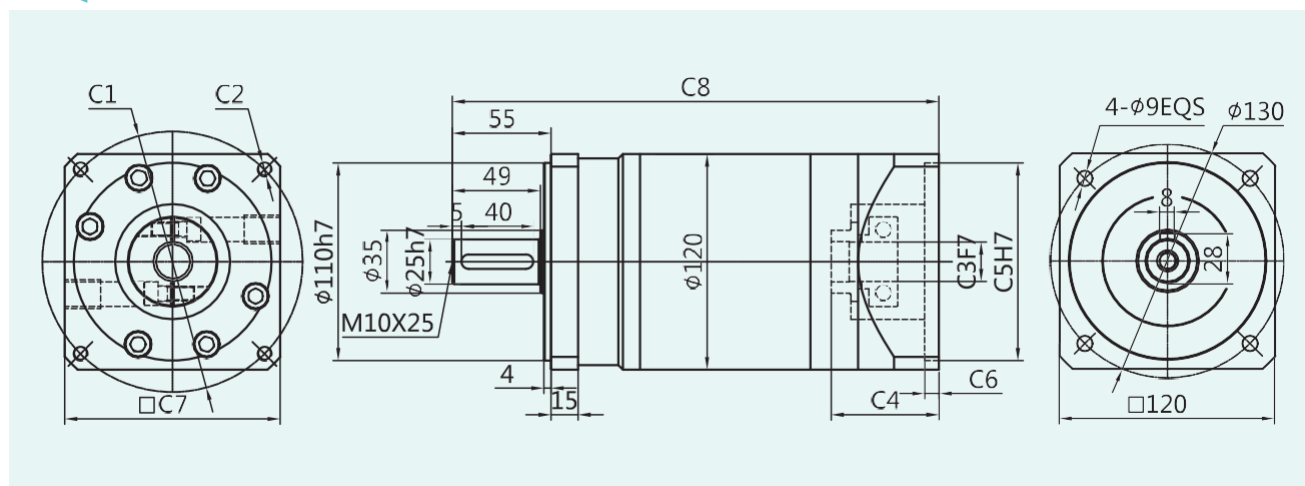
PLF Series

PLF

外形尺寸图表

Outline dimensional

PLF-120-L3

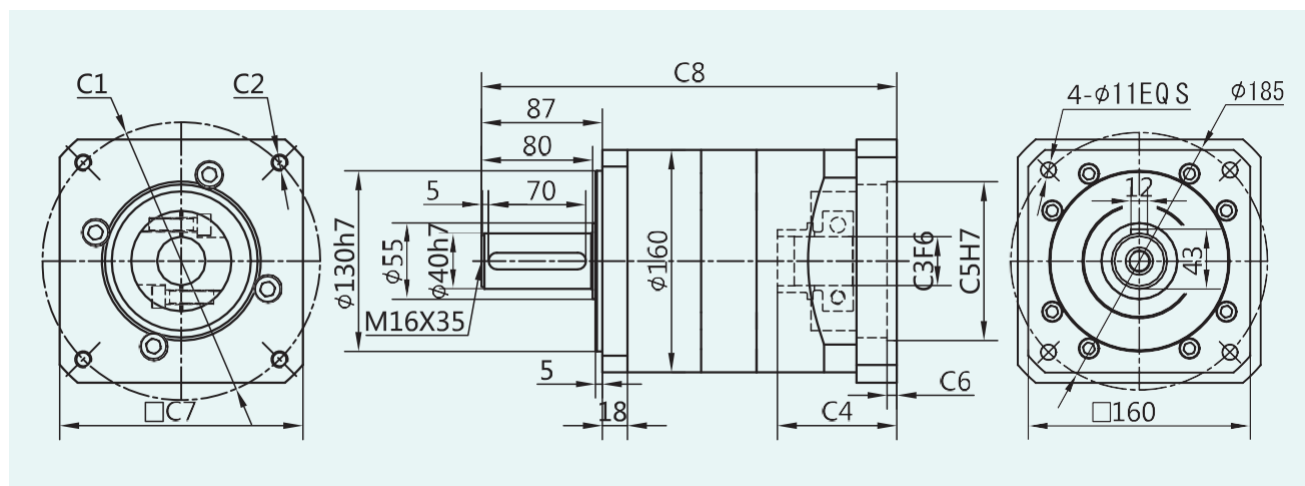


适配电机输入接口尺寸(左端为输入尺寸)

Adapter motor input interface size (The left end is the input size)

尺寸 Size	C1	C2	C3	C4	C5	C6	C7	C8
PLF-120-L3	Φ90	4-M5/4-M6	Φ19	47	Φ70	8	90	260
	Φ115	4-M8	Φ19/Φ22	60	Φ95	8	130	271
	Φ130	4-M8	Φ19/Φ22	60	Φ95	8	130	271
	Φ145	4-M8	Φ19/Φ22/Φ24	60	Φ110	8	180	271

PLF-160-L1



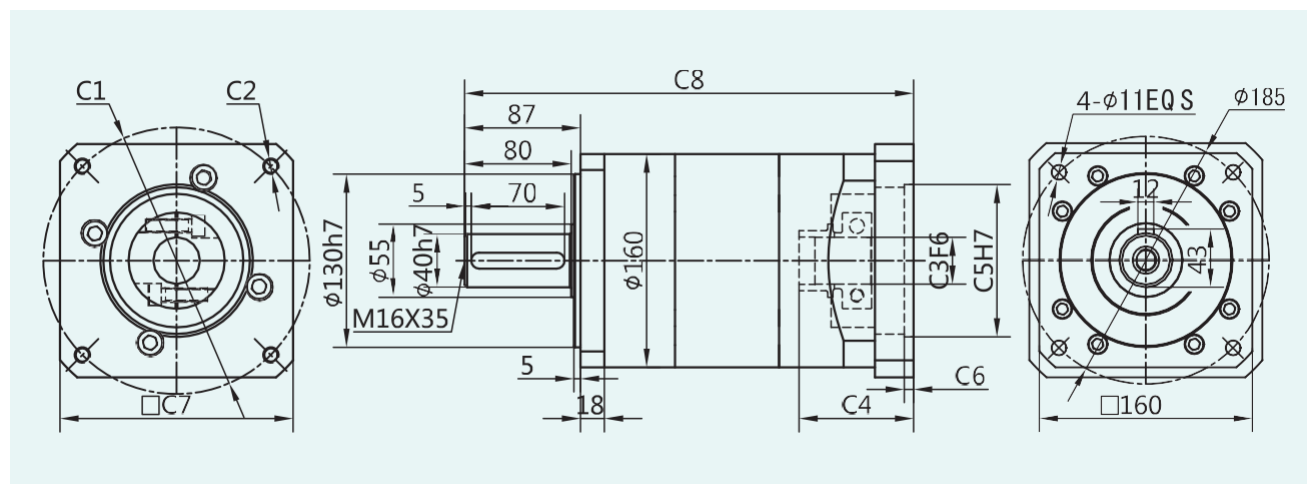
适配电机输入接口尺寸(左端为输入尺寸)

Adapter motor input interface size (The left end is the input size)

尺寸 Size	C1	C2	C3	C4	C5	C6	C7	C8
PLF-160-L1	Φ130	4-M8	Φ22	62	Φ95	7	142	275
	Φ145	4-M8	Φ22/Φ24	62	Φ110	7	142	275
	Φ165	4-M10	Φ32	62	Φ130	7	142	275
	Φ200	4-M12	Φ35	86	Φ114.3	7	175	299
	Φ200	4-M12	Φ35	117	Φ114.3	7	175	330
	Φ215	4-M12	Φ38/Φ42	86	Φ180	7	190	299

外形尺寸图表
Outline dimensional

PLF-160-L2

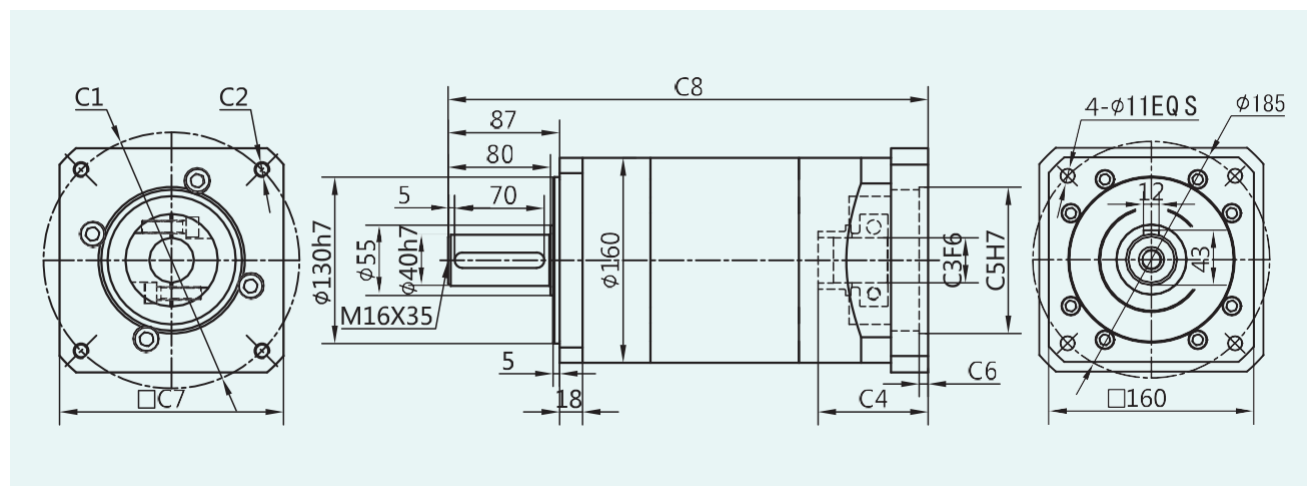


适配电机输入接口尺寸(左端为输入尺寸)

Adapter motor input interface size (The left end is the input size)

尺寸 Size	C1	C2	C3	C4	C5	C6	C7	C8
PLF-160-L2	Φ130	4-M8	Φ22	62	Φ95	7	142	313
	Φ145	4-M8	Φ22/Φ24	62	Φ110	7	142	313
	Φ165	4-M10	Φ32	62	Φ130	7	142	313
	Φ200	4-M12	Φ35	86	Φ114.3	7	175	337
	Φ200	4-M12	Φ35	117	Φ114.3	7	175	368
	Φ215	4-M12	Φ38/Φ42	86	Φ180	7	190	337

PLF-160-L3



适配电机输入接口尺寸(左端为输入尺寸)

Adapter motor input interface size (The left end is the input size)

尺寸 Size	C1	C2	C3	C4	C5	C6	C7	C8
PLF-160-L3	Φ130	4-M8	Φ22	62	Φ95		142	351
	Φ145	4-M8	Φ22/Φ24	62	Φ110		142	351
	Φ165	4-M10	Φ32	62	Φ130		142	351
	Φ200	4-M12	Φ35	86	Φ114.3		175	375
	Φ200	4-M12	Φ35	117	Φ114.3		175	406
	Φ215	4-M12	Φ38/Φ42					

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Yenimahalle/ANKARA
0 541 688 73 09
info@cncdunyasi.com
www.cncdunyasi.com