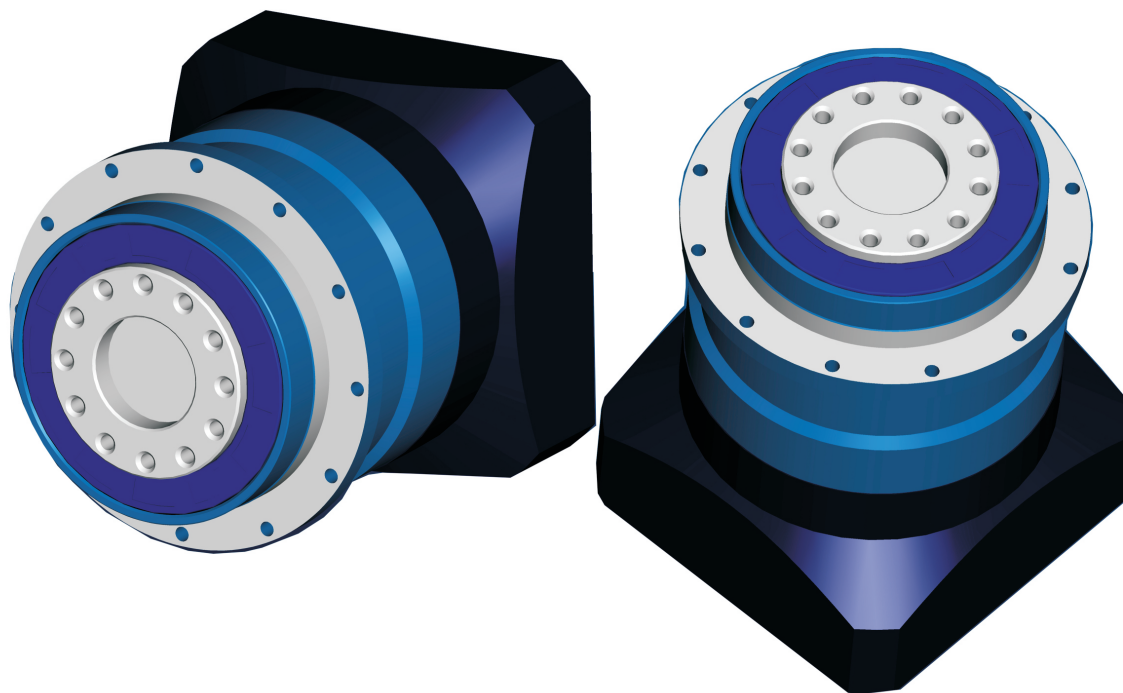




KD系列減速機

特點： 為同軸式法蘭盤輸出，具有精度高、鋼性好、承載能力大、效率高、壽命長、噪音低、體積輕小、外形美觀，安裝方便、定位精準等特點，適用於交流伺服馬達、直流伺服馬達、步進馬達的減速傳動。

型號分爲： KD60、KD90、KD120、KD160、KD200

一級速比： 3, 4, 5, 7, 10;

回程間隙：5-10arcmin

二級速比： 16, 20, 25, 28, 35, 40, 50, 70, 100;

回程間隙：7-12arcmin

三級速比： 64, 80, 100, 125, 150, 175, 200, 250, 350, 400, 500, 700, 1000 ;

回程間隙：9-15arcmin

應用領域： 精密機床、軍工設備、半導體設備、印刷包裝設備，太陽能、工業機器人、醫療設備、精密測試儀器等高精度場合的應用。

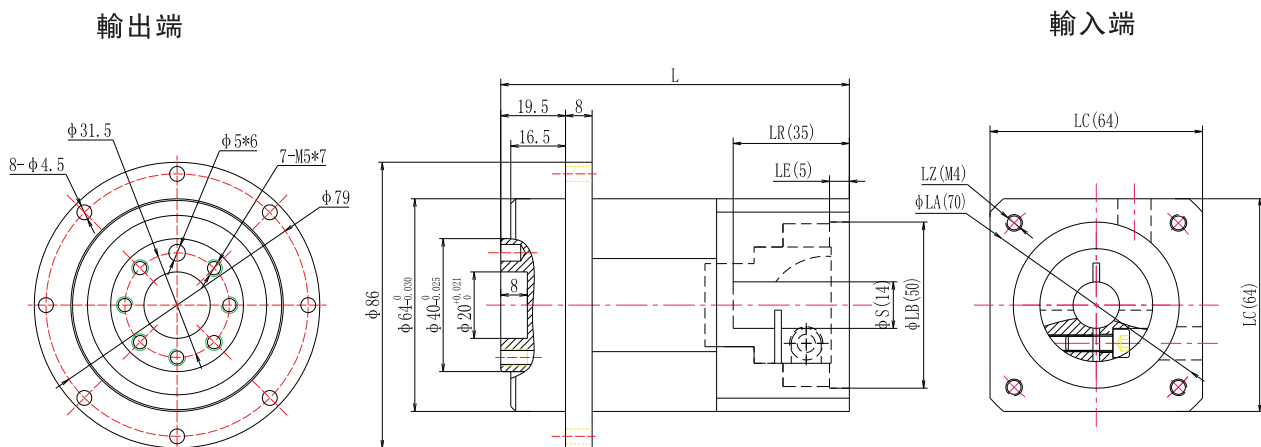
減速機性能參數

規格	單位	段數	速比	KD60	KD90	KD120	KD160	KD200	
額定承受扭矩 T2N	Nm	L1	4	42	112	210	585	1320	
			5	42	112	210	585	1220	
			7	33	92	168	378	1000	
			10	15	54	85	310	800	
		L2	16	42	112	210	585	1320	
			20	42	112	210	585	1320	
			25	42	112	210	585	1220	
			35	42	112	210	585	1220	
			40	42	112	210	585	1320	
			50	42	112	210	585	1220	
			70	33	92	168	378	1000	
			100	15	54	85	310	800	
			L3	64	42	112	210	585	1320
				80	42	112	210	585	1320
		100		42	112	210	585	1320	
		125		42	112	210	585	1320	
		140		42	112	210	585	1320	
		175		42	112	210	585	1320	
		245		42	112	210	585	1320	
		280		42	112	210	585	1320	
		350		42	112	210	585	1320	
		400		42	112	210	585	1320	
		500		42	112	210	585	1220	
		700	33	92	168	378	1000		
		1000	15	54	85	310	800		
最大承受扭矩T2B	Nm	L1 L2 L3	4-1000	2.0倍額定輸出扭矩					
額定輸入轉數n1N	rpm	L1 L2 L3	4-1000	4000	3500	3000	2500	2000	
最大輸入轉數n1B	rpm	L1 L2 L3	4-1000	6000	6000	5000	4000	3000	
精密背隙P1	arcmin	L1	4-10	≤5	≤5	≤5	≤5	≤5	
		L2	16-100	≤7	≤7	≤7	≤7	≤7	
		L3	64-1000	≤9	≤9	≤9	≤9	≤9	
標準背隙P2		L1	4-10	≤8	≤8	≤8	≤8	≤8	
		L2	16-100	≤10	≤10	≤10	≤10	≤10	
		L3	64-1000	≤12	≤12	≤12	≤12	≤12	
容許徑向力F1	N	L1 L2 L3	4-1000	680	1750	3100	5650	6200	
容許軸向力F2	N	L1 L2 L3	4-1000	340	875	1250	2275	3100	
使用壽命	h	L1 L2 L3	4-1000	20000					
效率 η	%	L1	4-10	97%	97%	97%	97%	97%	
		L2	16-100	94%	94%	94%	94%	94%	
		L3	64-1000	91%	91%	91%	91%	91%	
重量	kg	L1	4-10	1.4	3.0	7.2	21	35	
		L2	16-100	1.6	3.5	9.2	26	40	
		L3	64-1000	1.8	4.0	11.5	31	45	
噪音	dB	L1 L2 L3	4-1000	≤65	≤68	≤68	≤72	≤72	
使用溫度	℃	L1 L2 L3	4-1000	-20℃~+90℃					

減速機轉動慣量:

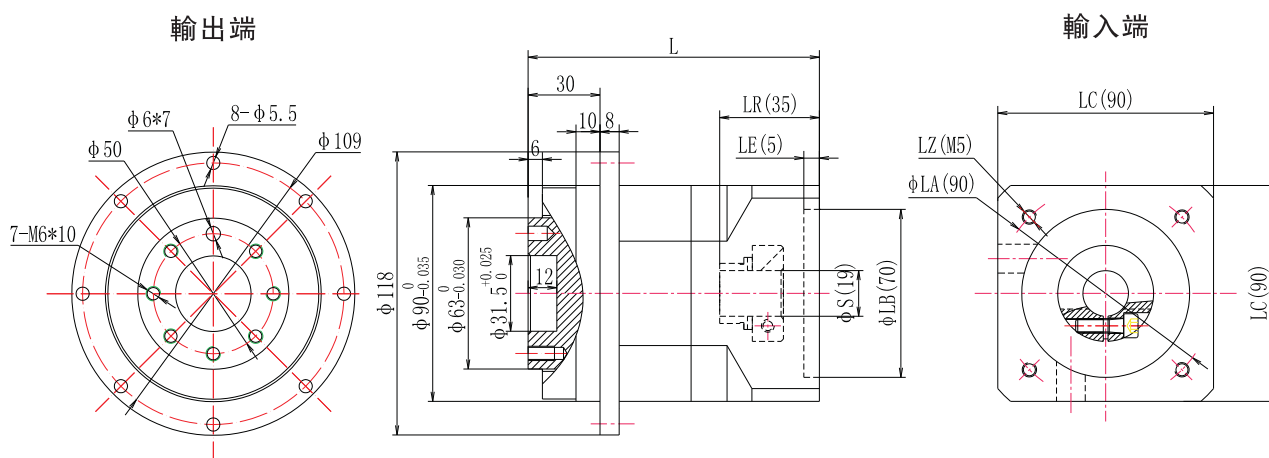
規格	單位	段數	速比	KD60	KD90	KD120	KD160	KD200
轉動慣量J	kg.cm ²	L1	4/5	0.48	1.75	12.8	22.4	35.5
			7-10	0.42	1.45	11.4	18.6	28.5
		L2	15-40	0.45	1.52	12.2	18.6	28.6
			50-100	0.32	1.35	11.5	16.9	20.9
		L3	64-280	0.32	1.36	12.2	16.3	18.2
			350-1000	0.32	1.29	12.2	16.3	18.2

K D60外形圖



配對電機	LA	LZ	S	LR	LB	LE	LC	L1(一級傳動)	L2(二級傳動)	L3(三級傳動)
200W	70	4-M4	φ 11(F7)	35	φ 50(H7)	5	64	105	124	142
400W	70	4-M4	φ 14(F7)	35	φ 50(H7)	5	64	105	124	142

K D90外形圖



配對電機	LA	LZ	S	LR	LB	LE	LC	L1(一級傳動)	L2(二級傳動)	L3(三級傳動)
400W	70	4-M4	14F7	35	50(H7)	5	90	121.5	144.5	167.5
750W	90	4-M5	19F7	35	70(H7)	5	90	121.5	144.5	167.5

The drawing shows two views of a mechanical component: the output end (left) and the input end (right).

Output End (輸出端):

- Top view: A circular flange with a central hole of diameter $\phi 63$. It features 11 mounting holes arranged in two concentric circles: an inner circle with 8 holes of diameter $\phi 5.5$ and an outer circle with 3 holes of diameter $\phi 6 \times 7$. The flange has a thickness of 12 mm and a total width of 145 mm. The outer diameter of the mounting holes is $\phi 110_{-0.08}^{+0}$. The inner hole has a diameter of $\phi 80_{-0.03}^{+0.05}$. The mounting holes are spaced at 22.5° intervals, with a 45° angle between the inner and outer hole patterns.
- Side view: Shows the component's profile with a total length L . The flange has a thickness of 12 mm. The mounting holes are located at a distance of 27 mm from the inner face and 12 mm from the outer face. The inner hole has a diameter of $\phi 40_{-0.03}^{+0.05}$. The component has a central bore with a diameter of $\phi 22$ and a length of 10 mm (LE(10)). The outer diameter of the central bore is $\phi 18(65)$.

Input End (輸入端):

- Top view: A circular flange with a central hole of diameter $\phi 145$. It features 8 mounting holes arranged in a circle with a diameter of $\phi 130$. The flange has a thickness of 12 mm and a total width of 145 mm. The outer diameter of the mounting holes is $\phi 110_{-0.08}^{+0}$. The inner hole has a diameter of $\phi 80_{-0.03}^{+0.05}$. The mounting holes are spaced at 22.5° intervals, with a 45° angle between the inner and outer hole patterns.
- Side view: Shows the component's profile with a total length L . The flange has a thickness of 12 mm. The mounting holes are located at a distance of 27 mm from the inner face and 12 mm from the outer face. The inner hole has a diameter of $\phi 40_{-0.03}^{+0.05}$. The component has a central bore with a diameter of $\phi 22$ and a length of 10 mm (LE(10)). The outer diameter of the central bore is $\phi 18(65)$.

配對電機	LA	LZ	S	LR	LB	LE	LC	L1(一級傳動)	L2(二級傳動)	L3(三級傳動)
750W	90	4-M6	19F7	55	70(H7)	10	130	146.5	182.5	217.5
1500W	145	4-M8	22/24(F7)	65	110(H7)	10	130	146.5	182.5	217.5

Technical drawing of the 1000W/1000V/1000A high-voltage switchgear, showing front, side, and rear views with dimensions in mm.

Front View (Left): Shows the circular front panel with dimensions: $\phi 168$ (outer diameter), $\phi 80$ (inner diameter), $12-\phi 6.6$ (12 mounting holes), $\phi 8 \times 7$ (hole size), and $11-M8 \times 17$ (11 mounting holes).

Side View (Middle): Shows the side profile with dimensions: $\phi 179$ (total height), $\phi 140_{-0.040}^0$ (flange diameter), $\phi 95_{-0.035}^0$ (flange diameter), $\phi 50_{-0.025}^0$ (flange diameter), 12 (flange thickness), 38 (flange width), 12 (flange width), 14.5 (flange width), 6 (flange width), L (total length), $LR(82)$ (length), $LE(10)$ (length), $\phi S(35)$ (hole diameter), and $\phi 1B(114.3)$ (hole diameter).

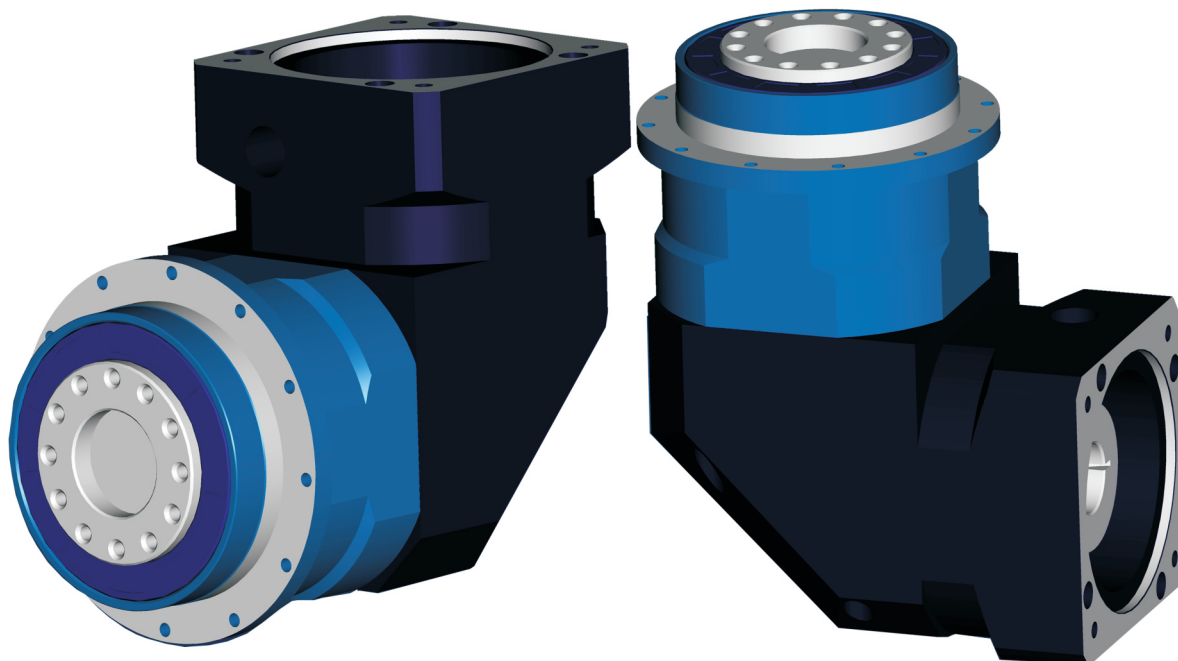
Rear View (Right): Shows the rear panel with dimensions: $LC(176)$ (width), $LC(176)$ (height), $LZ(M12)$ (hole size), $\phi LA(200)$ (hole diameter), and $\phi 179$ (total height).

配對電機	LA	LZ	S	LR	LB	LE	LC	L(一級傳動)	L2(二級傳動)	L3(三級傳動)
2000W	145	4-M8	22(F7)	65	110(H7)	10	176	230	275	318
3000W	200	4-M12	35(F7)	80	114.3(H7)	10	176	230	275	318
4200W	215	4-M12	38/42(F7)	115	180(H7)	10	190	365	305	348

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圖紙尺寸為常用公制電機接口，其它特殊型號請聯系本公司



KDR系列減速機

特點：為同軸式法蘭盤轉角式輸出，具有精度高、鋼性好、承載力大、效率高、壽命長、噪音低、體積輕小、外形美觀，安裝方便、定位精準等特點，適用於交流伺服馬達、直流伺服馬達、步進馬達的減速傳動。

型號分爲：KDR60、KDR90、KDR120、KDR160、KDR200

一級速比：3, 4, 5, 7, 10;

回程間隙：5-10arcmin

二級速比：16, 20, 25, 28, 35, 40, 50, 70, 100;

回程間隙：7-12arcmin

三級速比：64, 80, 100, 125, 150, 175, 200, 250, 350, 400, 500, 700, 1000 ;

回程間隙：9-15arcmin

應用領域：精密機床、軍工設備、半導體設備、印刷包裝設備，太陽能、工業機器人、醫療設備、精密測試儀器等高精度場合的應用。

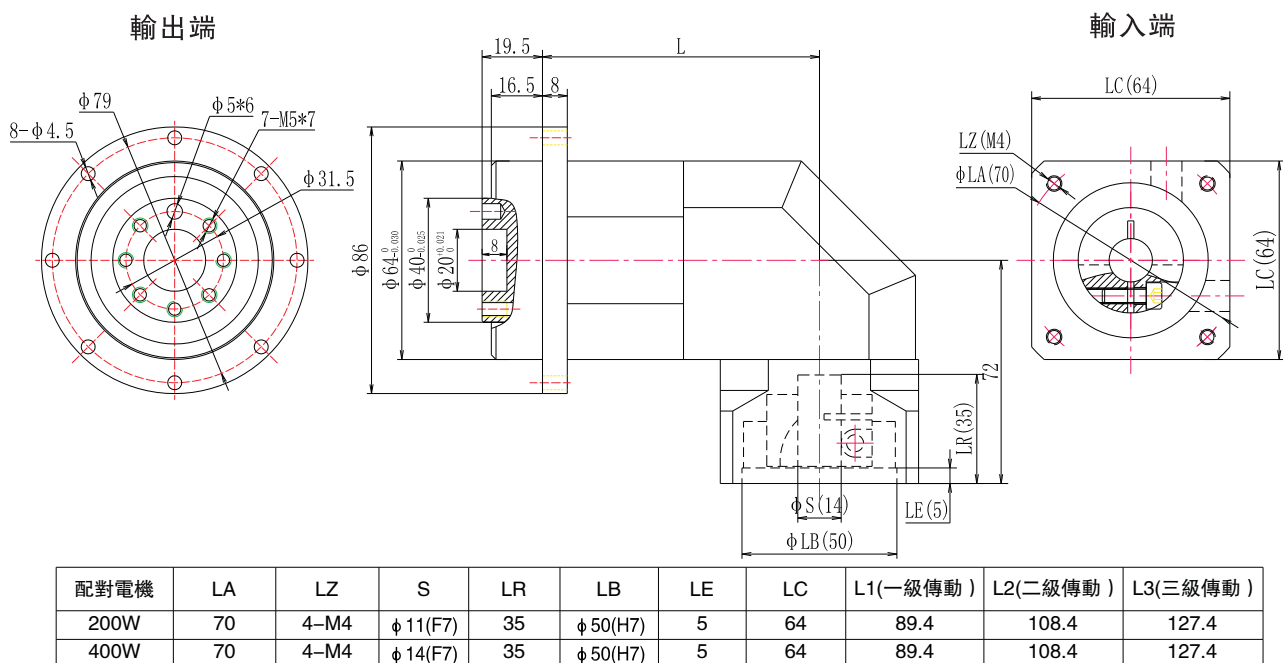
減速機性能參數

規格	單位	段數	速比	KDR60	KDR90	KDR120	KDR160	KDR200	
額定承受扭矩 T2N	Nm	L1	4	42	112	210	585	1320	
			5	42	112	210	585	1220	
			7	33	92	168	378	1000	
			10	15	54	85	310	800	
		L2	16	42	112	210	585	1320	
			20	42	112	210	585	1320	
			25	42	112	210	585	1220	
			35	42	112	210	585	1220	
			40	42	112	210	585	1320	
			50	42	112	210	585	1220	
			70	33	92	168	378	1000	
			100	15	54	85	310	800	
			L3	64	42	112	210	585	1320
				80	42	112	210	585	1320
		100		42	112	210	585	1320	
		125		42	112	210	585	1320	
		140		42	112	210	585	1320	
		175		42	112	210	585	1320	
		245		42	112	210	585	1320	
		280		42	112	210	585	1320	
		350		42	112	210	585	1320	
		400		42	112	210	585	1320	
		500		42	112	210	585	1220	
		700	33	92	168	378	1000		
		1000	15	54	85	310	800		
最大承受扭矩T2B	Nm	L1 L2 L3	4-1000	2.0倍額定輸出扭矩					
額定輸入轉數n1N	rpm	L1 L2 L3	4-1000	4000	3500	3000	2500	2000	
最大輸入轉數n1B	rpm	L1 L2 L3	4-1000	6000	6000	5000	4000	3000	
精密背隙P1	arcmin	L1	4-10	≤5	≤5	≤5	≤5	≤5	
		L2	16-100	≤7	≤7	≤7	≤7	≤7	
		L3	64-1000	≤9	≤9	≤9	≤9	≤9	
標準背隙P2		L1	4-10	≤10	≤10	≤10	≤10	≤10	
		L2	16-100	≤12	≤12	≤12	≤12	≤12	
		L3	64-1000	≤15	≤15	≤15	≤15	≤15	
容許徑向力F1	N	L1 L2 L3	4-1000	680	1750	3100	5650	6200	
容許軸向力F2	N	L1 L2 L3	4-1000	340	875	1250	2275	3100	
使用壽命	h	L1 L2 L3	4-1000	20000					
效率 η	%	L1	4-10	95%	95%	95%	95%	95%	
		L2	16-100	92%	92%	92%	92%	92%	
		L3	64-1000	88%	88%	88%	88%	88%	
重量	kg	L1	4-10	2.4	4.5	12	28	45	
		L2	16-100	2.6	5.0	14	33	50	
		L3	64-1000	2.8	6.5	18	38	55	
噪音	dB	L1 L2 L3	4-1000	≤65	≤68	≤68	≤72	≤72	
使用溫度	℃	L1 L2 L3	4-1000	-20℃~+90℃					

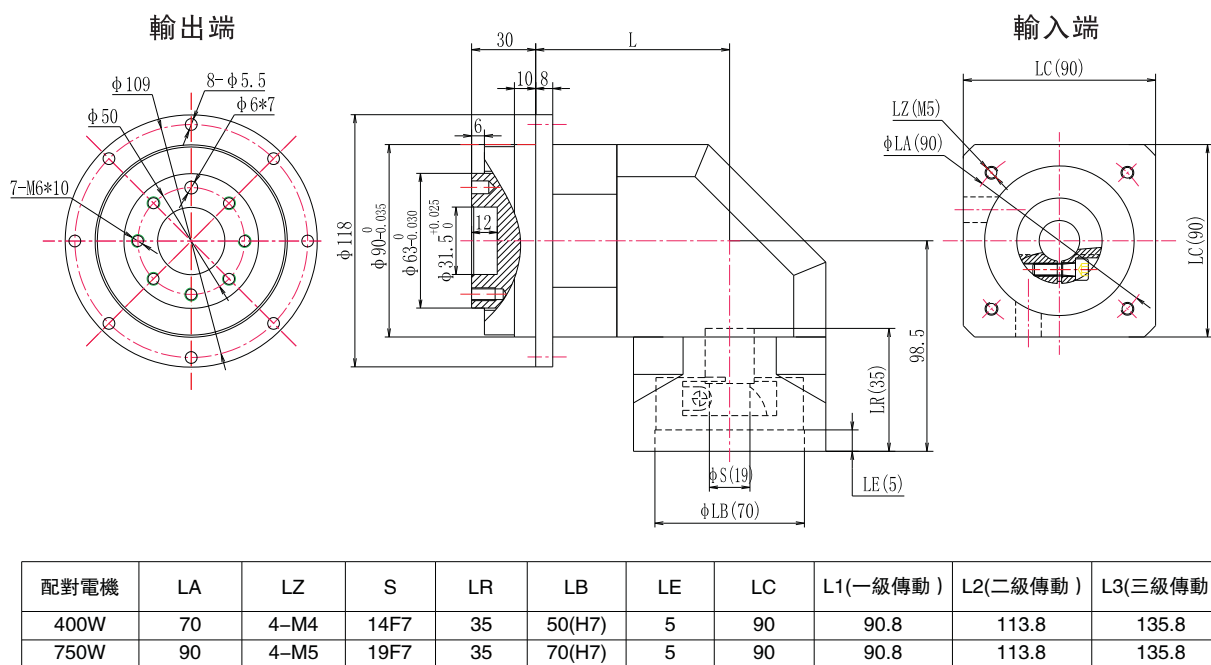
減速機轉動慣量:

規格	單位	段數	速比	KDR60	KDR90	KDR120	KDR160	KDR200
轉動慣量J	kg.cm ²	L1	4/5	0.48	1.75	12.8	22.4	35.5
			7-10	0.42	1.45	11.4	18.6	28.5
		L2	15-40	0.45	1.52	12.2	18.6	28.6
			50-100	0.32	1.35	11.5	16.9	20.9
		L3	64-280	0.32	1.36	12.2	16.3	18.2
			350-1000	0.32	1.29	12.2	16.3	18.2

KDR60外形圖

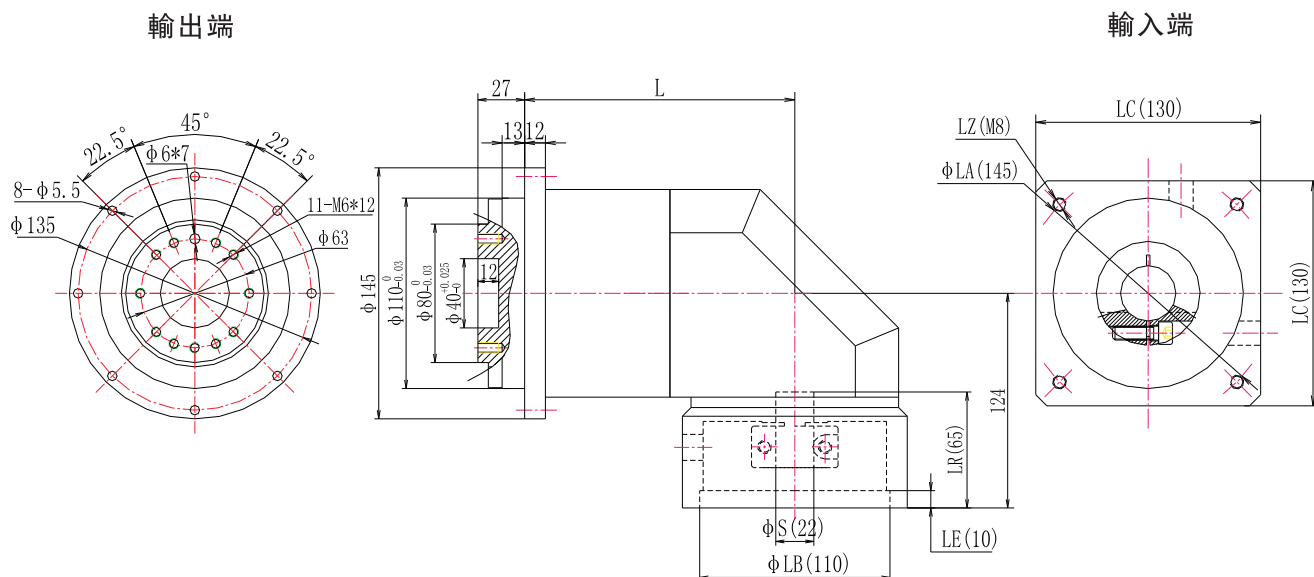


KDR90外形圖



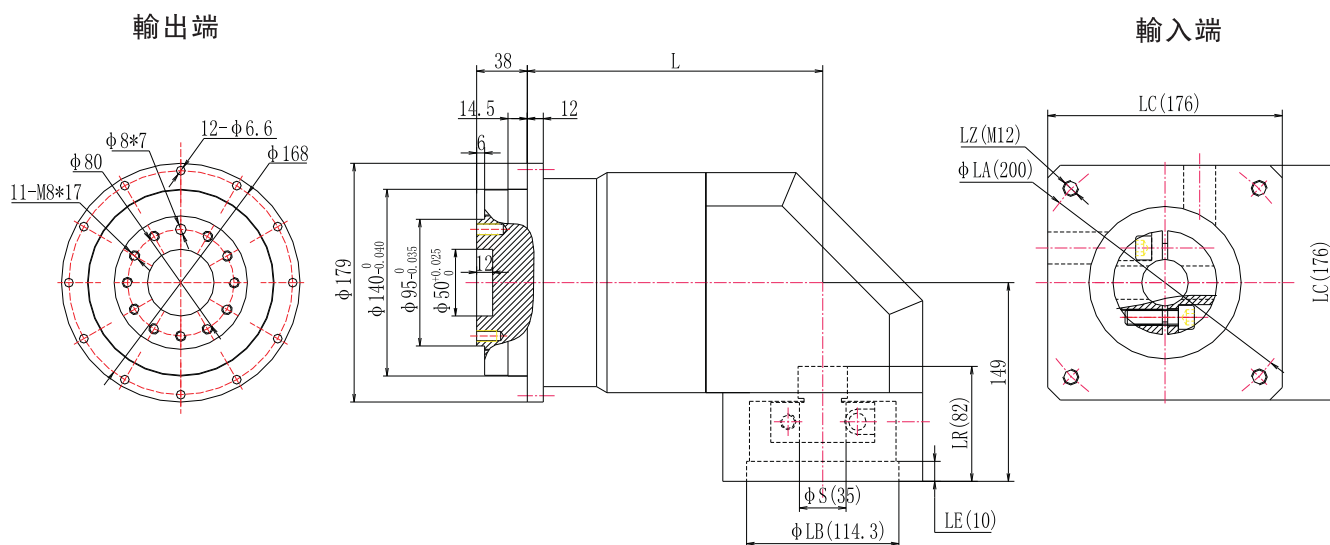
圖紙尺寸為常用公制電機接口，其它特殊型號請聯系本公司

KDR120外形圖



配對電機	LA	LZ	S	LR	LB	LE	LC	L1(一級傳動)	L2(二級傳動)	L3(三級傳動)
750W	90	4-M6	19F7	55	70(H7)	10	130	125.2	156.2	177.2
1500W	145	4-M8	22/24(F7)	65	110(H7)	10	130	125.2	156.2	177.2

KDR160外形圖



配對電機	LA	LZ	S	LR	LB	LE	LC	L(一級傳動)	L2(二級傳動)	L3(三級傳動)
2000W	145	4-M8	22(F7)	65	110(H7)	10	176	176	222	260
3000W	200	4-M12	35(F7)	80	114.3(H7)	10	176	176	222	260
4200W	215	4-M12	38/42(F7)	115	180(H7)	10	190	176	222	260

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配對電機	LA	LZ	S	LR	LB	LE	LC	L(一級傳動)	L2(二級傳動)	L3(三級傳動)
3000W	200	4-M12	35F7	82	114.3H7	10	200	194.7	224.2	270.2
4200W	215	4-M12	38/42F7	115	180H7	10	200	194.7	224.2	270.2
7500W	235	4-M12	55F7	120	200H7	10	220	194.7	224.2	270.2