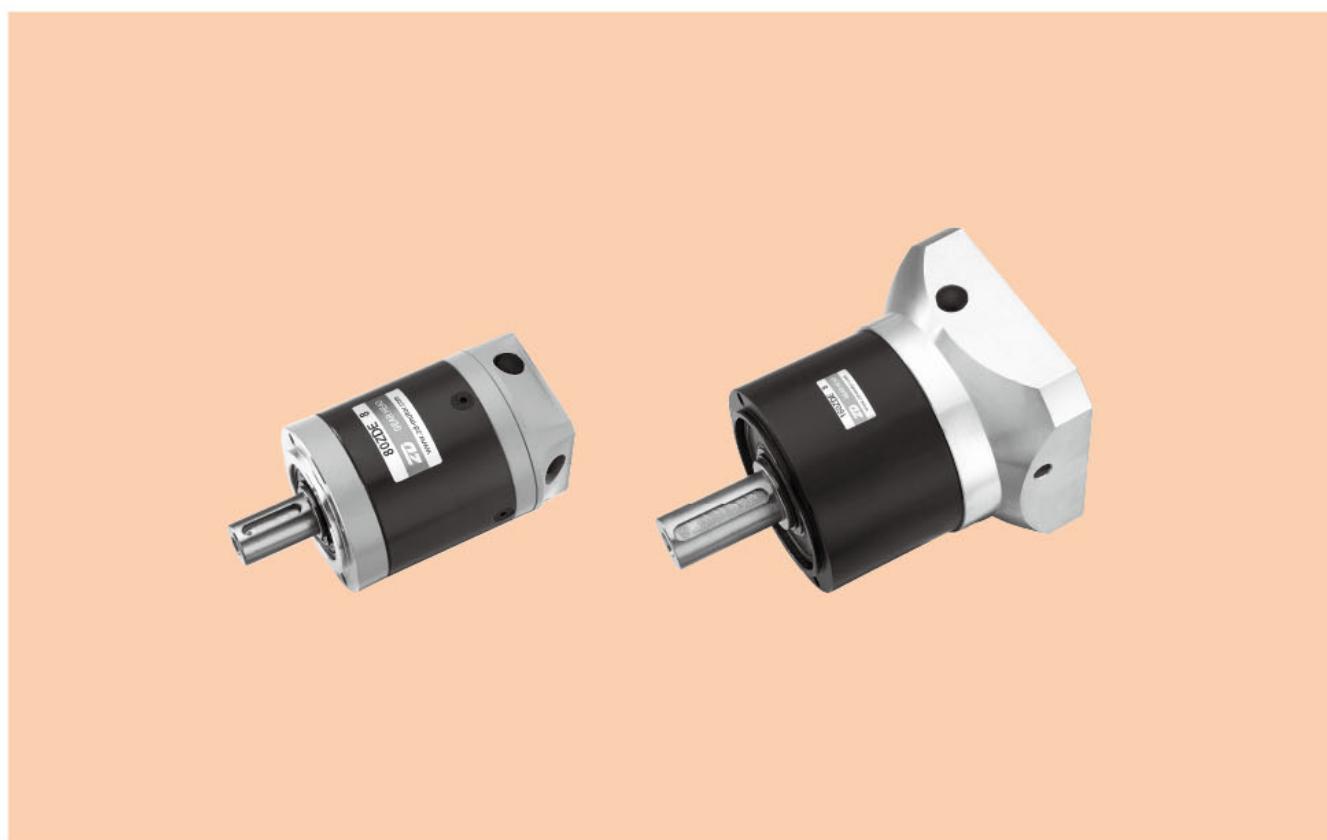


# ZDE/ZDF减速比、机座号 ZDE/ZDF REDUCTION RATIO & TYPE NUMBER



## ■ 输入转速为3000rpm时 When input speed is 3000rpm

马达功率 Motor power(W)	减速比 Reduction ratio	单级减速 1 stage reduction					两级减速 2 stage reduction						三级减速 3 stage reduction														
		1/3	1/4	1/5	1/8	1/10	1/9	1/12	1/15	1/16	1/20	1/25	1/32	1/40	1/64	1/60	1/80	1/100	1/120	1/160	1/200	1/256	1/320	1/15	1/512		
50W															60	40	60								120		
100W							40								80	60									120		
200W															60		120										
400W															60												
750W															60												
1000W															60												
1500W															60												
2000W															60												
2500W															60												
3000W															60												
3500W															60												
4000W															60												
4500W															60												
5000W															60												

## ■ 关于润滑油About lubricant

●润滑：润滑脂 ●更换：不可

● Lubrication: grease ● Replacement: Not available

## ZDE/ZDF性能表(输入转速为3,000rpm时)

## ZDE/ZDF PERFORMANCE TABLE (WHEN INPUT SPEED IS 3000RPM)

## ■性能表 Performance Table

减速比 Reduction ratio	型号 Type			输出轴 转速 Output shaft speed	额定输出 扭矩 Standard output torque	瞬间最大 输出扭矩 Instantaneous max. output torque	容许径向 负荷 Permissible radial load	容许轴向 负荷 Permissible axial load	输入轴换算 内部惯性力矩 Internal moment of inertia of input shaft conversion	容许输出 扭矩 Permissible output torque	瞬间最大容 许输出扭矩 Instantaneous max. permissible output torque	
	机座号 Type no.	系列号 Model	减速比 Reduction ratio									
1/3	40	ZD □	3	-50	1000	0.46	1.38	160	80	0.031	4.5	9
	40	ZD □	3	-100	1000	0.93	2.79	160	80	0.031	4.5	9
	40	ZD □	3	-200	1000	1.85	5.55	160	80	0.031	4.5	9
	60	ZD □	3	-400	1000	3.75	11.25	450	225	0.135	12	24
	60	ZD □	3	-750	1000	6.92	20.76	450	225	0.135	12	24
	80	ZD □	3	-1000	1000	9.16	27.48	900	450	0.77	40	80
	80	ZD □	3	-1500	1000	13.74	41.22	900	450	0.77	40	80
	80	ZD □	3	-2000	1000	18.35	55.05	900	450	0.77	40	80
	80	ZD □	3	-2500	1000	22.93	68.79	900	450	0.77	40	80
	120	ZD □	3	-3000	1000	27.51	82.53	2100	1050	2.63	80	160
	120	ZD □	3	-3500	1000	31.97	95.91	2100	1050	2.63	80	160
	120	ZD □	3	-4000	1000	36.58	109.74	2100	1050	2.63	80	160
	120	ZD □	3	-4500	1000	41.19	123.57	2100	1050	2.63	80	160
	120	ZD □	3	-5000	1000	45.80	137.40	2100	1050	2.63	80	160
1/4	40	ZD □	4	-50	750	0.62	1.86	160	80	0.022	6	12
	40	ZD □	4	-100	750	1.23	3.69	160	80	0.022	6	12
	40	ZD □	4	-200	750	2.46	7.38	160	80	0.022	6	12
	60	ZD □	4	-400	750	5.00	15.00	450	225	0.093	16	32
	60	ZD □	4	-750	750	9.22	27.66	450	225	0.093	16	32
	80	ZD □	4	-1000	750	12.22	36.66	900	450	0.52	50	100
	80	ZD □	4	-1500	750	18.32	54.96	900	450	0.52	50	100
	80	ZD □	4	-2000	750	24.47	73.41	900	450	0.52	50	100
	80	ZD □	4	-2500	750	30.57	91.71	900	450	0.52	50	100
	120	ZD □	4	-3000	750	36.68	110.04	2100	1050	1.79	110	220
	120	ZD □	4	-3500	750	42.63	127.89	2100	1050	1.79	110	220
	120	ZD □	4	-4000	750	48.77	146.31	2100	1050	1.79	110	220
	120	ZD □	4	-4500	750	54.92	164.76	2100	1050	1.79	110	220
	120	ZD □	4	-5000	750	61.06	183.18	2100	1050	1.79	110	220
1/5	40	ZD □	5	-50	600	0.77	2.31	160	80	0.019	6	12
	40	ZD □	5	-100	600	1.54	4.62	160	80	0.019	6	12
	40	ZD □	5	-200	600	3.08	9.24	160	80	0.019	6	12
	60	ZD □	5	-400	600	6.25	18.75	450	225	0.078	16	32
	80	ZD □	5	-750	600	11.53	34.59	900	450	0.45	50	100
	80	ZD □	5	-1000	600	15.27	45.81	900	450	0.45	50	100
	80	ZD □	5	-1500	600	22.90	68.70	900	450	0.45	50	100
	80	ZD □	5	-2000	600	30.58	91.74	900	450	0.45	50	100
	120	ZD □	5	-2500	600	38.21	114.63	2100	1050	1.53	110	220
	120	ZD □	5	-3000	600	45.85	137.55	2100	1050	1.53	110	220
	120	ZD □	5	-3500	600	53.29	159.87	2100	1050	1.53	110	220
	120	ZD □	5	-4000	600	60.97	182.91	2100	1050	1.53	110	220
	120	ZD □	5	-4500	600	68.65	205.95	2100	1050	1.53	110	220
	160	ZD □	5	-5000	600	76.33	228.99	6000	3000	6.07	450	900
1/8	40	ZD □	8	-50	375	1.23	3.69	160	80	0.017	5	10
	40	ZD □	8	-100	375	2.46	7.38	160	80	0.017	5	10
	60	ZD □	8	-200	375	4.92	14.76	450	225	0.065	15	30
	60	ZD □	8	-400	375	9.99	29.97	450	225	0.065	15	30
	80	ZD □	8	-750	375	18.44	55.32	900	450	0.39	45	90
	80	ZD □	8	-1000	375	24.43	73.29	900	450	0.39	45	90
	120	ZD □	8	-1500	375	36.64	109.92	2100	1050	1.32	100	200
	120	ZD □	8	-2000	375	48.93	146.79	2100	1050	1.32	100	200
	120	ZD □	8	-2500	375	61.14	183.42	2100	1050	1.32	100	200
	160	ZD □	8	-3000	375	73.35	220.05	6000	3000	4.63	400	800
	160	ZD □	8	-3500	375	85.25	255.75	6000	3000	4.63	400	800
	160	ZD □	8	-4000	375	97.54	292.62	6000	3000	4.63	400	800
	160	ZD □	8	-4500	375	109.83	329.49	6000	3000	4.63	400	800
	160	ZD □	8	-5000	375	122.12	366.36	6000	3000	4.63	400	800

# ZDE/ZDF性能表（输入转速为3,000rpm时）

## ZDE/ZDF PERFORMANCE TABLE (WHEN INPUT SPEED IS 3000RPM)

■性能表 Performance Table

减速比 Reduction ratio	型号 Type				输出轴 转速 Output shaft speed (rpm)	额定输出 扭矩 Standard output torque (N·m)	瞬间最大 输出扭矩 max. output torque (N·m)	容许径向 负荷 Permissible radial load (N)	容许轴向 负荷 Permissible axial load (N)	输入轴换算 内部惯性力矩 Internal moment of inertia of input shaft conversion (x10 <sup>-6</sup> kg·m <sup>2</sup> )	容许输出 扭矩 Permissible output torque (N·m)	瞬间最大容 许输出扭矩 Instantaneous max. permissible output torque (N·m)
	机座号 Type no.	系列号 Model	减速比 Reduction ratio	马达功率 Motor (W)								
1/10	40	ZD □	10	-50	300	1.54	4.62	160	80	0.015	4	8
	60	ZD □	10	-100	300	3.08	9.24	450	225	0.054	12	24
	60	ZD □	10	-200	300	6.15	18.45	450	225	0.054	12	24
	80	ZD □	10	-400	300	12.49	37.47	900	450	0.34	40	80
	80	ZD □	10	-750	300	23.05	69.15	900	450	0.34	40	80
	120	ZD □	10	-1000	300	30.53	91.59	2100	1050	1.14	80	160
	120	ZD □	10	-1500	300	45.80	137.40	2100	1050	1.14	80	160
	160	ZD □	10	-2000	300	61.16	183.48	6000	3000	3.52	305	610
	160	ZD □	10	-2500	300	76.42	229.26	6000	3000	3.52	305	610
	160	ZD □	10	-3000	300	91.69	275.07	6000	3000	3.52	305	610
	160	ZD □	10	-3500	300	106.57	319.71	6000	3000	3.52	305	610
	160	ZD □	10	-4000	300	121.93	365.79	6000	3000	3.52	305	610
	160	ZD □	10	-4500	300	137.29	411.87	6000	3000	3.52	305	610
	160	ZD □	10	-5000	300	152.65	457.95	6000	3000	3.52	305	610
1/9	40	ZD □	9	-50	333.3	1.36	4.09	160	80	0.03	16.5	33
	40	ZD □	9	-100	333.3	2.72	8.15	160	80	0.03	16.5	33
	40	ZD □	9	-200	333.3	5.42	16.27	160	80	0.03	16.5	33
	40	ZD □	9	-400	333.3	11.01	33.00	160	80	0.03	16.5	33
	60	ZD □	9	-750	333.3	20.31	60.94	450	225	0.131	40	80
	80	ZD □	9	-1000	333.3	26.91	80.74	900	450	0.74	100	200
	80	ZD □	9	-1500	333.3	40.36	121.09	900	450	0.74	100	200
	80	ZD □	9	-2000	333.3	53.90	161.70	900	450	0.74	100	200
	80	ZD □	9	-2500	333.3	67.35	200.00	900	450	0.74	100	200
	120	ZD □	9	-3000	333.3	80.80	242.41	2100	1050	2.56	210	420
	120	ZD □	9	-3500	333.3	93.92	281.75	2100	1050	2.56	210	420
	120	ZD □	9	-4000	333.3	107.45	322.36	6000	3000	2.56	210	420
1/12	40	ZD □	12	-50	250	1.81	5.44	160	80	0.022	16.5	33
	40	ZD □	12	-100	250	3.62	10.86	160	80	0.022	16.5	33
	40	ZD □	12	-200	250	7.23	21.69	160	80	0.022	16.5	33
	60	ZD □	12	-400	250	14.67	44.02	450	225	0.088	40	80
	80	ZD □	12	-750	250	27.08	81.25	900	450	0.5	100	200
	80	ZD □	12	-1000	250	35.88	107.64	900	450	0.5	100	200
	80	ZD □	12	-1500	250	53.82	161.45	900	450	0.5	100	200
	120	ZD □	12	-2000	250	71.86	215.59	2100	1050	1.5	210	420
	120	ZD □	12	-2500	250	89.80	269.40	2100	1050	1.5	210	420
	120	ZD □	12	-3000	250	107.73	323.20	2100	1050	1.5	210	420
	120	ZD □	12	-3500	250	125.22	375.65	2100	1050	1.5	210	420
	160	ZD □	12	-4000	250	143.27	429.80	6000	3000	7.47	450	900
	160	ZD □	12	-4500	250	161.31	483.94	6000	3000	7.47	450	900
1/15	40	ZD □	15	-50	200	2.27	6.80	160	80	0.019	16.5	33
	40	ZD □	15	-100	200	4.52	13.57	160	80	0.019	16.5	33
	40	ZD □	15	-200	200	9.03	27.10	160	80	0.019	16.5	33
	60	ZD □	15	-400	200	18.34	55.02	450	225	0.075	40	80
	80	ZD □	15	-750	200	33.85	101.55	900	450	0.44	100	200
	80	ZD □	15	-1000	200	44.85	134.54	900	450	0.44	100	200
	80	ZD □	15	-1500	200	67.27	200.00	900	450	0.44	100	200
	120	ZD □	15	-2000	200	89.83	269.48	2100	1050	1.49	210	420
	120	ZD □	15	-2500	200	112.25	336.74	2100	1050	1.49	210	420
	120	ZD □	15	-3000	200	134.67	404.00	2100	1050	1.49	210	420
	160	ZD □	15	-3500	200	156.52	469.56	6000	3000	6.65	450	900
	160	ZD □	15	-4000	200	179.08	537.24	6000	3000	6.65	450	900
	160	ZD □	15	-4500	200	201.64	604.92	6000	3000	6.65	450	900
	160	ZD □	15	-5000	200	224.20	672.60	6000	3000	6.65	450	900
1/16	40	ZD □	16	-50	187.5	2.42	7.25	160	80	0.022	20	40
	40	ZD □	16	-100	187.5	4.82	14.47	160	80	0.022	20	40
	40	ZD □	16	-200	187.5	9.64	28.91	160	80	0.022	20	40

# ZDE/ZDF性能表（输入转速为3,000rpm时）

## ZDE/ZDF PERFORMANCE TABLE (WHEN INPUT SPEED IS 3000RPM)

### ■性能表 Performance Table

减速比 Reduction ratio	型号 Type			输出轴 转速 Output shaft speed	额定输出 扭矩 Standard output torque	瞬间最大 输出扭矩 Instantaneous max. output torque	容许径向 负荷 Permissible radial load	容许轴向 负荷 Permissible axial load	输入轴换算 内部惯性力矩 Internal moment of inertia of input shaft conversion	容许输出 扭矩 Permissible output torque	瞬间最大容 许输出扭矩 Instantaneous max. permissible output torque	
	机座号 Type no.	系列号 Model	减速比 Reduction ratio	马达功率 Motor	(rpm)	(N·m)	(N·m)	(N)	(N)	(x10 <sup>-4</sup> kg·m <sup>2</sup> )	(N·m)	
1/16	60	ZD □	16	-400	187.5	19.56	58.69	450	225	0.088	44	88
	80	ZD □	16	-750	187.5	36.11	108.32	900	450	0.5	120	240
	80	ZD □	16	-1000	187.5	47.84	143.51	900	450	0.5	120	240
	80	ZD □	16	-1500	187.5	71.75	215.25	900	450	0.5	120	240
	120	ZD □	16	-2000	187.5	95.81	287.44	2100	1050	1.5	260	520
	120	ZD □	16	-2500	187.5	119.73	359.19	2100	1050	1.5	260	520
	120	ZD □	16	-3000	187.5	143.64	430.93	2100	1050	1.5	260	520
	120	ZD □	16	-3500	187.5	166.95	500.86	2100	1050	1.5	260	520
	160	ZD □	16	-4000	187.5	191.02	573.05	6000	3000	7.47	700	1400
	160	ZD □	16	-4500	187.5	215.08	645.25	6000	3000	7.47	700	1400
1/20	160	ZD □	16	-5000	187.5	239.15	717.44	6000	3000	7.47	700	1400
	40	ZD □	20	-50	150	3.02	9.05	160	80	0.019	20	40
	40	ZD □	20	-100	150	6.03	18.08	160	80	0.019	20	40
	40	ZD □	20	-200	150	12.04	36.13	160	80	0.019	20	40
	60	ZD □	20	-400	150	24.45	73.35	450	225	0.075	44	88
	80	ZD □	20	-750	150	45.13	135.39	900	450	0.44	120	240
	80	ZD □	20	-1000	150	59.79	179.38	900	450	0.44	120	240
	120	ZD □	20	-1500	150	89.69	269.06	2100	1050	1.49	260	520
	120	ZD □	20	-2000	150	119.77	359.30	2100	1050	1.49	260	520
	120	ZD □	20	-2500	150	149.66	448.97	2100	1050	1.49	260	520
	160	ZD □	20	-3000	150	179.55	538.65	6000	3000	6.65	700	1400
	160	ZD □	20	-3500	150	208.69	626.07	6000	3000	6.65	700	1400
	160	ZD □	20	-4000	150	238.77	716.31	6000	3000	6.65	700	1400
	160	ZD □	20	-4500	150	268.85	806.55	6000	3000	6.65	700	1400
	160	ZD □	20	-5000	150	298.93	896.79	6000	3000	6.65	700	1400
1/25	40	ZD □	25	-50	120	3.77	11.31	160	80	0.019	18	36
	40	ZD □	25	-100	120	7.53	22.59	160	80	0.019	18	36
	60	ZD □	25	-200	120	15.05	45.15	450	225	0.075	40	80
	80	ZD □	25	-400	120	30.56	91.68	900	450	0.44	110	220
	80	ZD □	25	-750	120	56.41	169.23	900	450	0.44	110	220
	120	ZD □	25	-1000	120	74.74	224.22	2100	1050	1.49	230	460
	120	ZD □	25	-1500	120	112.11	336.32	2100	1050	1.49	230	460
	120	ZD □	25	-2000	120	149.71	449.12	2100	1050	1.49	230	460
	160	ZD □	25	-2500	120	187.07	561.21	6000	3000	6.65	700	1400
	160	ZD □	25	-3000	120	224.44	673.31	6000	3000	6.65	700	1400
	160	ZD □	25	-3500	120	260.86	782.58	6000	3000	6.65	700	1400
	160	ZD □	25	-4000	120	298.46	895.38	6000	3000	6.65	700	1400
	160	ZD □	25	-4500	120	336.06	1008.18	6000	3000	6.65	700	1400
	160	ZD □	25	-5000	120	373.66	1120.98	6000	3000	6.65	700	1400
1/32	40	ZD □	32	-50	93.75	4.82	14.47	160	80	0.017	20	40
	40	ZD □	32	-100	93.75	9.64	28.91	160	80	0.017	20	40
	60	ZD □	32	-200	93.75	19.26	57.78	450	225	0.064	44	88
	80	ZD □	32	-400	93.75	39.11	117.34	900	450	0.39	120	240
	80	ZD □	32	-750	93.75	72.20	216.61	900	450	0.39	120	240
	120	ZD □	32	-1000	93.75	95.66	286.99	2100	1050	1.3	260	520
	120	ZD □	32	-1500	93.75	143.49	430.47	2100	1050	1.3	260	520
	160	ZD □	32	-2000	93.75	191.62	574.86	6000	3000	4.5	700	1400
	160	ZD □	32	-2500	93.75	239.45	718.34	6000	3000	4.5	700	1400
	160	ZD □	32	-3000	93.75	287.27	861.82	6000	3000	4.5	700	1400
	160	ZD □	32	-3500	93.75	333.90	1001.69	6000	3000	4.5	700	1400
	160	ZD □	32	-4000	93.75	382.03	1146.08	6000	3000	4.5	700	1400
1/40	160	ZD □	32	-4500	93.75	430.15	1290.46	6000	3000	4.5	700	1400
	40	ZD □	40	-50	75	6.03	18.08	160	80	0.016	18	36
	40	ZD □	40	-100	75	12.04	36.00	160	80	0.064	18	36
	60	ZD □	40	-200	75	24.07	72.22	450	225	0.064	40	80
	80	ZD □	40	-400	75	48.89	146.67	900	450	0.39	110	220
	120	ZD □	40	-750	75	90.25	270.75	2100	1050	1.3	230	460

# ZDE/ZDF性能表（输入转速为3,000rpm时）

## ZDE/ZDF PERFORMANCE TABLE (WHEN INPUT SPEED IS 3000RPM)

### ■性能表 Performance Table

减速比 Reduction ratio	型号 Type				输出轴 转速 Output shaft speed	额定输出 扭矩 Standard output torque	瞬间最大 输出扭矩 max. output torque	容许径向 负荷 Permissible radial load	容许轴向 负荷 Permissible axial load	输入轴换算 内部惯性力矩 Internal moment of inertia of input shaft conversion	容许输出 扭矩 Permissible output torque	瞬间最大容 许输出扭矩 Instantaneous max. permissible output torque
	机座号 Type no.	系列号 Model	减速比 Reduction ratio	马达功率 Motor								
1/40	120	ZD □	40	-1000	75	119.58	358.73	2100	1050	1.3	230	460
	160	ZD □	40	-1500	75	179.36	538.09	6000	3000	4.5	700	1400
	160	ZD □	40	-2000	75	239.52	718.57	6000	3000	4.5	700	1400
	160	ZD □	40	-2500	75	299.31	897.92	6000	3000	4.5	700	1400
	160	ZD □	40	-3000	75	359.09	1077.27	6000	3000	4.5	700	1400
	160	ZD □	40	-3500	75	417.37	1252.11	6000	3000	4.5	700	1400
1/64	60	ZD □	64	-50	46.875	9.64	28.91	450	225	0.075	18	36
	80	ZD □	64	-100	46.875	19.26	57.78	900	450	0.44	50	100
	120	ZD □	64	-200	46.875	38.51	115.54	2100	1050	1.3	120	240
	120	ZD □	64	-400	46.875	78.22	234.65	2100	1050	1.3	120	240
	160	ZD □	64	-750	46.875	144.39	433.18	6000	3000	4.5	450	900
	160	ZD □	64	-1000	46.875	191.32	573.96	6000	3000	4.5	450	900
	160	ZD □	64	-1500	46.875	286.97	860.92	6000	3000	4.5	450	900
1/60	40	ZD □	60	-50	50	8.65	25.95	160	80	0.019	16.5	33
	60	ZD □	60	-100	50	17.29	51.87	450	225	0.075	40	80
	80	ZD □	60	-200	50	34.57	103.71	900	450	0.44	100	200
	120	ZD □	60	-400	50	70.21	210.63	2100	1050	1.49	210	420
	120	ZD □	60	-750	50	129.61	388.83	2100	1050	1.49	210	420
1/80	40	ZD □	80	-50	37.5	11.53	34.59	160	80	0.019	20	40
	60	ZD □	80	-100	37.5	23.05	69.15	450	225	0.075	44	88
	80	ZD □	80	-200	37.5	46.09	138.27	900	450	0.5	120	240
	120	ZD □	80	-400	37.5	93.61	280.83	2100	1050	1.5	260	520
1/100	60	ZD □	100	-50	30	14.41	43.23	450	225	0.075	44	88
	80	ZD □	100	-100	30	28.81	86.43	450	225	0.075	44	88
	80	ZD □	100	-200	30	57.61	172.83	900	450	0.44	120	240
	120	ZD □	100	-400	30	117.01	351.03	2100	1050	1.49	260	520
1/120	60	ZD □	120	-50	25	17.29	51.87	450	225	0.064	40	80
	80	ZD □	120	-100	25	34.57	103.71	900	450	0.39	110	220
	80	ZD □	120	-200	25	69.13	207.39	900	450	0.39	110	220
	120	ZD □	120	-400	25	140.41	421.23	2100	1050	1.3	230	460
1/160	60	ZD □	160	-50	18.75	23.05	69.15	450	225	0.064	44	88
	80	ZD □	160	-100	18.75	46.09	138.27	900	450	0.39	120	240
	120	ZD □	160	-200	18.75	92.17	276.51	2100	1050	1.3	260	520
1/200	80	ZD □	200	-50	15	28.81	86.43	900	450	0.39	110	220
	80	ZD □	200	-100	15	57.61	172.83	900	450	0.39	110	220
	120	ZD □	200	-200	15	115.21	345.63	2100	1050	1.3	230	460
1/256	80	ZD □	256	-50	11.72	36.87	110.62	900	450	0.39	120	240
	80	ZD □	256	-100	11.72	73.74	221.21	900	450	0.39	120	240
	120	ZD □	256	-200	11.72	147.47	442.40	2100	1050	1.3	260	520
1/320	80	ZD □	320	-50	9.375	46.09	138.27	900	450	0.39	110	220
	120	ZD □	320	-100	9.375	92.17	276.51	2100	1050	1.3	230	460
1/512	120	ZD □	512	-50	5.86	73.74	221.21	2100	1050	1.3	120	240

注1) 输入轴换算惯性力矩仅为减速机的数值，不包括马达的惯性力矩。

注2) 最高输入转速为5000rpm.正常情况下请将转速控制在3000rpm以下。

注3) 容许径向负荷为输出轴中央部的数值。

Note 1) The moment of inertia of input shaft conversion is only gained from the reducer, so it does not include moment of inertia of the motor.

Note 2) The max. input speed is 5000rpm. Usually set to 3000rpm or less.

Note 3) The permissible radial load is indicated on the center of the output shaft.

## ZDE/ZDF 50W 尺寸图与性能表

## ZDE/ZDF 50W DIMENSIONAL DRAWING &amp; PERFORMANCE TABLE

## ■ 性能表 Performance Table (输入转速为3,000rpm时 When input speed is 3000rpm)

额定输入 马达功率 Rated input motor	减速比 Reduction ratio	型号 Type			输出轴 转速 Output shaft speed	额定输出 扭矩 Standard output torque	瞬间最大 输出扭矩 Instantaneous max. output torque	容许径向 负荷 Permissible radial load	容许轴向 负荷 Permissible axial load	输入轴换算 内部惯性力矩 Internal moment of inertia of input shaft conversion	容许输出 扭矩 Permissible output torque	瞬间最大容 许输出扭矩 Instantaneous max. permissible output torque	
		机座号 Type no.	系列号 Model	减速比 Reduction ratio	马达功率 Motor								
50W	1/3	40	ZD □	3	-50	1000	0.46	1.38	160	80	0.031	4.5	9
	1/4	40	ZD □	4	-50	750	0.62	1.86	160	80	0.022	6	12
	1/5	40	ZD □	5	-50	600	0.77	2.31	160	80	0.019	6	12
	1/8	40	ZD □	8	-50	375	1.23	3.69	160	80	0.017	5	10
	1/10	40	ZD □	10	-50	300	1.54	4.62	160	80	0.015	4	8
	1/9	40	ZD □	9	-50	333.3	1.36	4.09	160	80	0.03	16.5	33
	1/12	40	ZD □	12	-50	250	1.81	5.44	160	80	0.022	16.5	33
	1/15	40	ZD □	15	-50	200	2.27	6.80	160	80	0.019	16.5	33
	1/16	40	ZD □	16	-50	187.5	2.42	7.25	160	80	0.022	20	40
	1/20	40	ZD □	20	-50	150	3.02	9.05	160	80	0.019	20	40
	1/25	40	ZD □	25	-50	120	3.77	11.31	160	80	0.019	18	36
	1/32	40	ZD □	32	-50	93.75	4.82	14.47	160	80	0.017	20	40
	1/40	40	ZD □	40	-50	75	6.03	18.08	160	80	0.016	18	36
	1/64	60	ZD □	64	-50	46.875	9.64	28.91	450	225	0.075	18	36
	1/60	40	ZD □	60	-50	50	8.65	25.95	160	80	0.019	16.5	33
	1/80	40	ZD □	80	-50	37.5	11.53	34.59	160	80	0.019	20	40
	1/100	60	ZD □	100	-50	30	14.41	43.23	450	225	0.075	44	88
	1/120	60	ZD □	120	-50	25	17.29	51.87	450	225	0.064	40	80
	1/160	60	ZD □	160	-50	18.75	23.05	69.15	450	225	0.064	44	88
	1/200	80	ZD □	200	-50	15	28.81	86.43	900	450	0.39	110	220
	1/256	80	ZD □	256	-50	11.72	36.87	110.62	900	450	0.39	120	240
	1/320	80	ZD □	320	-50	9.375	46.09	138.27	900	450	0.39	110	220
	1/512	120	ZD □	512	-50	5.86	73.74	221.21	2100	1050	1.3	120	240

注1) 安装基准系列(马达适用表记载系列)以外的马达时, 每次都要与我们联系。(法兰尺寸可能不同)

注2) 输入轴换算惯性力矩仅为减速机的数值, 不包括马达的惯性力矩。

注3) 最高输入转速为5000rpm。正常情况下请将转速控制在3000rpm以下。

注4) 容许径向负荷表示输出轴中央部位的值。

注5) 马达的安装顺序请参照P.190

注6) 输出轴旋转方向与马达输入旋转方向相同。

Note 1) In case of attachment to a motor beyond the standard models(motor matching series), contact us.(How to measure dimensions of the flange may be changed in some cases.)

Note 2) The moment of inertia of input shaft conversion is only gained from the reducer, so it does not include moment of inertia of the motor.

Note 3) The max. input speed is 5000rpm, and usually set to 3000rpm or less.

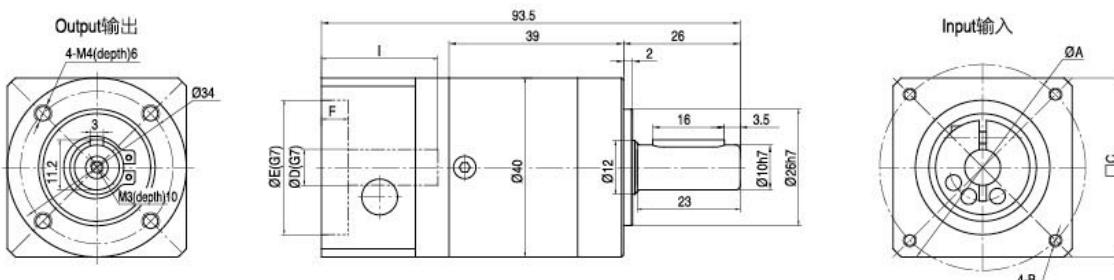
Note 4) The permissible radial load is indicated on the center of the output shaft.

Note 5) For motor assembly procedure, see 190 page.

Note 6) Rotation of the output shaft is in the same direction as motor.

## ■ ZDE尺寸图 Dimensional Drawing

## ● 40ZDE3•4•5•8•10-50



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	45	M3深(depth)10	40	8	30	4	26
T2	46	M4深(depth)10	40	6	30	4	26
T3	46	M4深(depth)10	40	8	30	4	26

● T1~3的详细情况请参照P.188

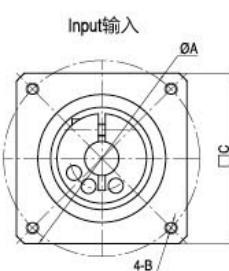
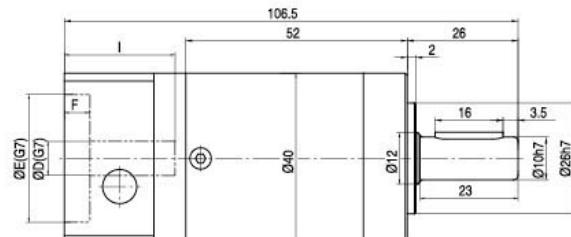
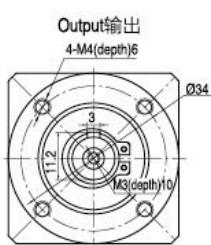
● For details of T1~3, see 188 page.

# ZDE/ZDF 50W 尺寸图与性能表

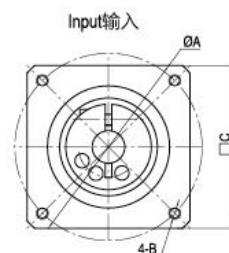
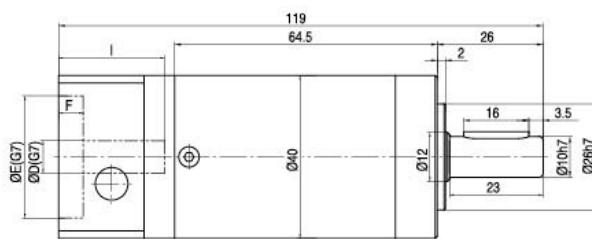
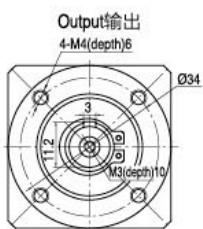
## ZDE/ZDF 50W DIMENSIONAL DRAWING & PERFORMANCE TABLE

### ■ ZDE尺寸图 Dimensional Drawing

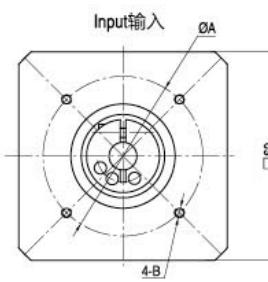
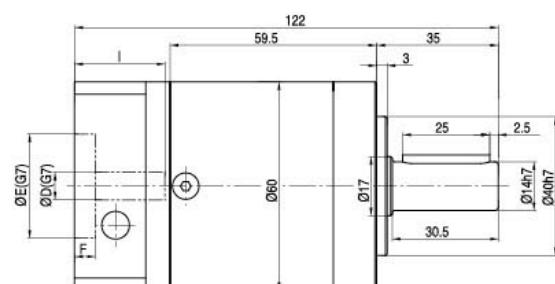
#### ● 40ZDE9-12-15-16-20-25-32-40-50



#### ● 40ZDE60-80-50



#### ● 60ZDE64-50



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	45	M3深(depth)10	40	8	30	4	26
T2	46	M4深(depth)10	40	6	30	4	26
T3	46	M4深(depth)10	40	8	30	4	26

● T1~3的详细情况请参照P.188

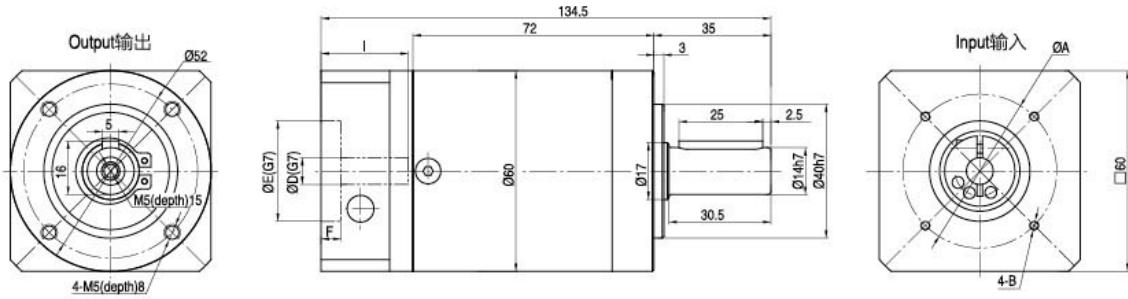
● For details of T1~3, see 188 page.

## ZDE/ZDF 50W 尺寸图与性能表

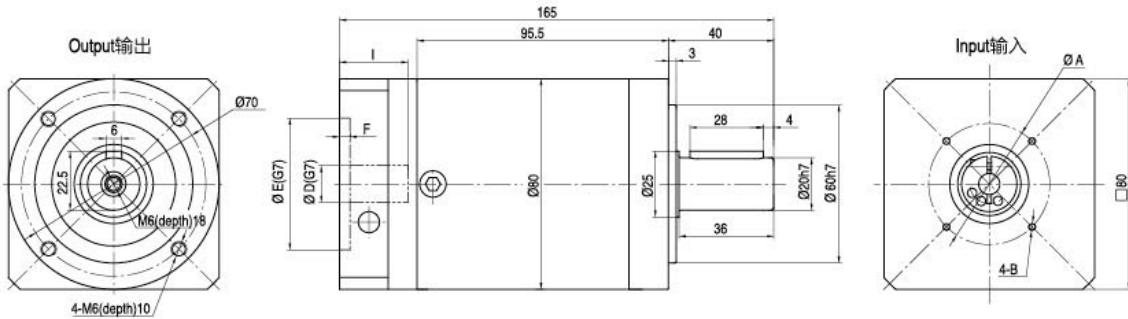
## ZDE/ZDF 50W DIMENSIONAL DRAWING &amp; PERFORMANCE TABLE

## ■ ZDE尺寸图 Dimensional Drawing

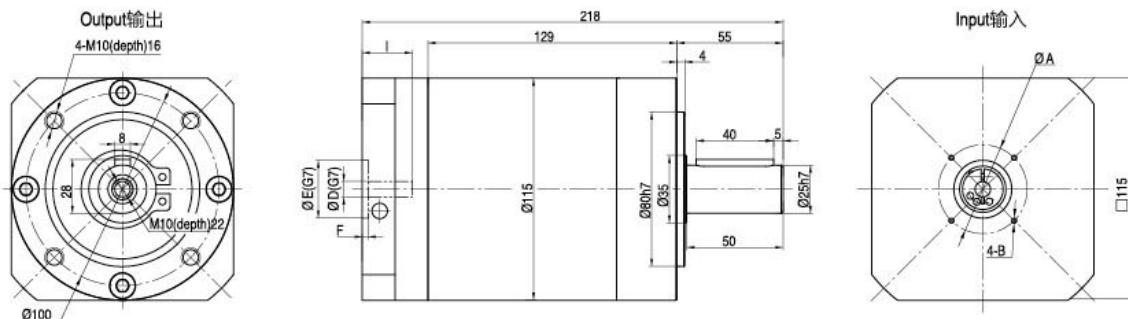
## ● 60ZDE100-120-160-50



## ● 80ZDE200-256-320-50



## ● 120ZDE512-50



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

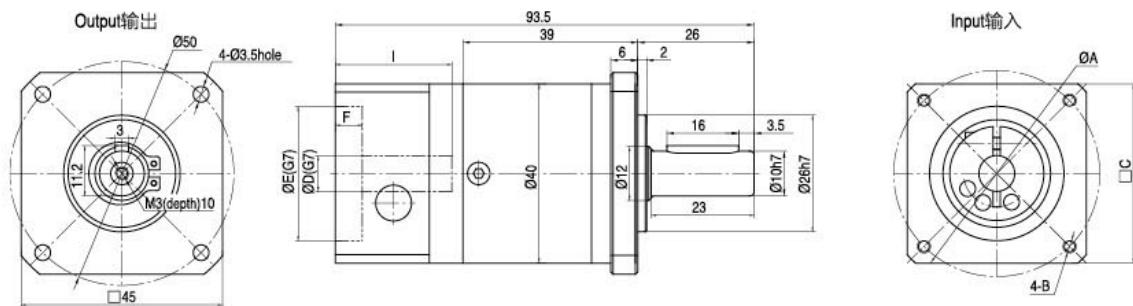
马达种类 Motor type	A	B	C	D	E	F	I
T1	45	M3深(depth)10	40	8	30	4	26
T2	46	M4深(depth)10	40	6	30	4	26
T3	46	M4深(depth)10	40	8	30	4	26

● T1~3的详细情况请参照P.188

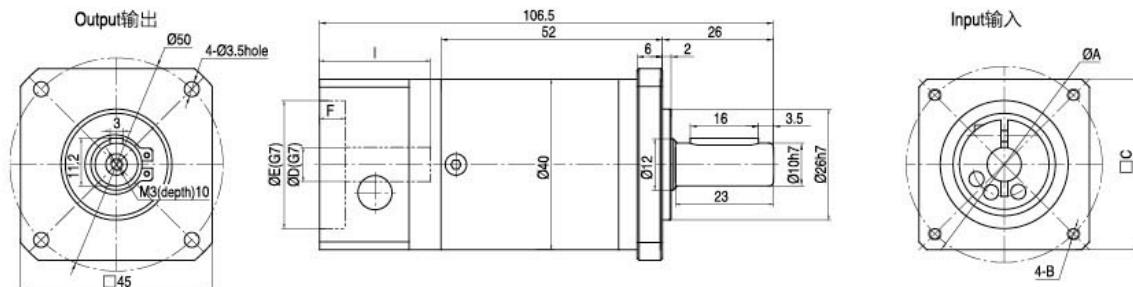
● For details of T1~3, see 188 page.

#### ■ ZDF尺寸图 Dimensional Drawing

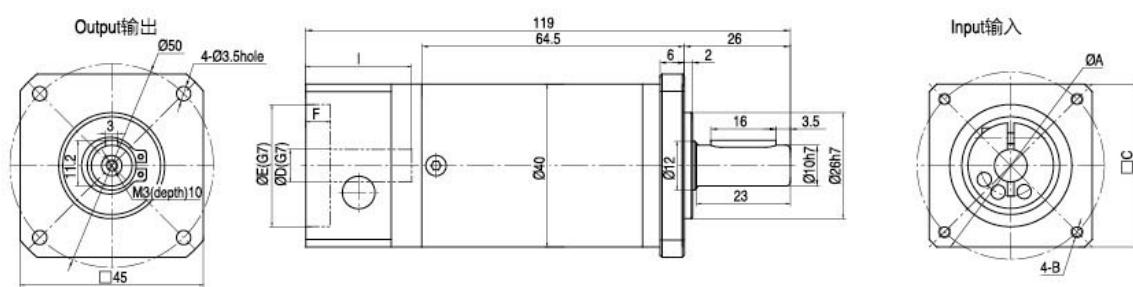
● 40ZDF3•4•5•8•10-50



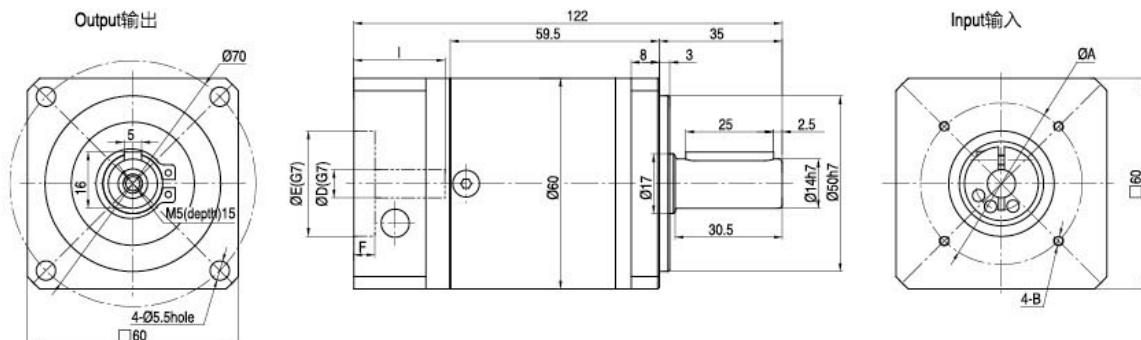
● 40ZDF9-12-15-16-20-25-32-40-50



● 40ZDF60-80-50



● 60ZDF64-50



#### ■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位 Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	45	M3深(depth)10	40	8	30	4	26
T2	46	M4深(depth)10	40	6	30	4	26
T3	46	M4深(depth)10	40	8	30	4	26

●T1~3的详细情况请参照P.188

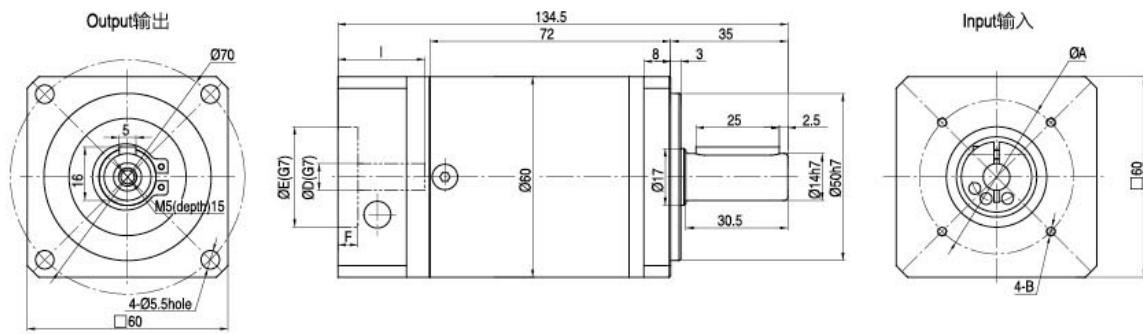
● For details of T1~3, see 188 page.

## ZDE/ZDF 50W 尺寸图与性能表

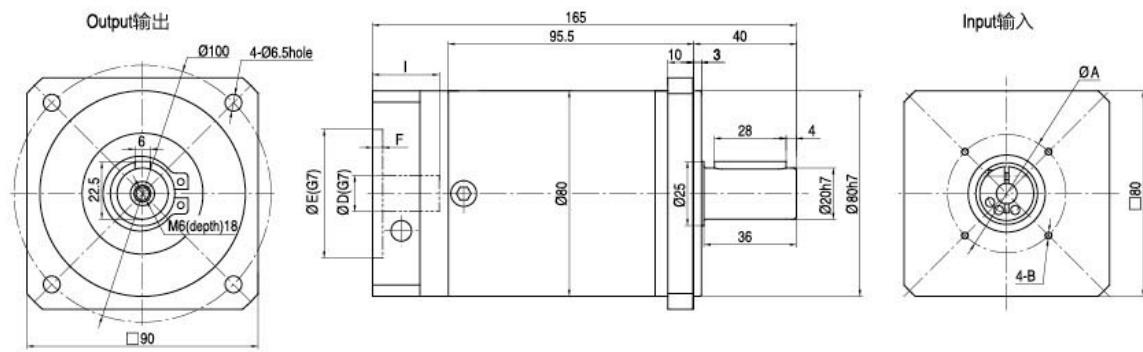
## ZDE/ZDF 50W DIMENSIONAL DRAWING &amp; PERFORMANCE TABLE

## ■ ZDF尺寸图 Dimensional Drawing

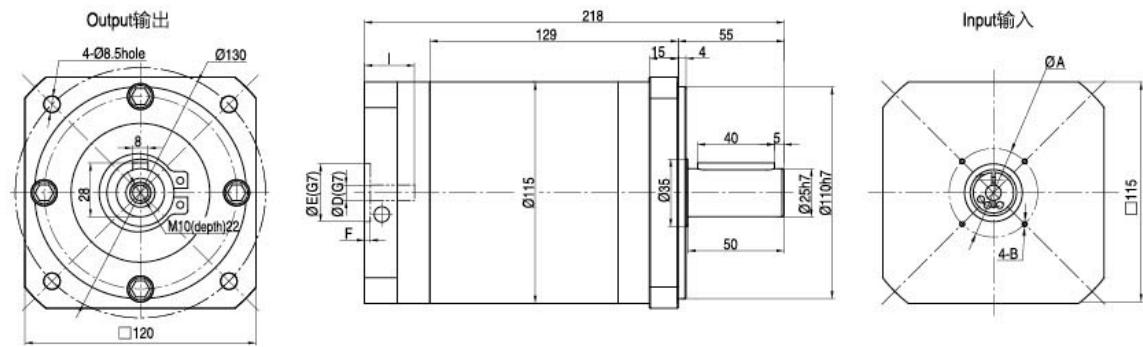
## ● 60ZDF100-120-160-50



## ● 80ZDF200-256-320-50



## ● 120ZDF512-50



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	45	M3深(depth)10	40	8	30	4	26
T2	46	M4深(depth)10	40	6	30	4	26
T3	46	M4深(depth)10	40	8	30	4	26

● T1~3的详细情况请参照P.188

● For details of T1~3, see 188 page.

# ZDE/ZDF 100W 尺寸图与性能表

## ZDE/ZDF 100W DIMENSIONAL DRAWING & PERFORMANCE TABLE

### ■ 性能表 Performance Table (输入转速为3,000rpm时 When input speed is 3000rpm)

额定输入 马达功率 Rated input motor	减速比 Reduction ratio	型号 Type			输出轴 转速 Output shaft speed	额定输出 扭矩 Standard output torque	瞬间最大 输出扭矩 Instantaneous max. output torque	容许径向 负荷 Permissible radial load	容许轴向 负荷 Permissible axial load	输入轴换算 内部惯性力矩 Internal moment of inertia of input shaft conversion	容许输出 扭矩 Permissible output torque	瞬间最大容 许输出扭矩 Instantaneous max. permissi- ble output torque	
		机座号 Type no.	系列号 Model	减速比 Reduction ratio	马达功率 Motor								
100W	1/3	40	ZD □	3	-100	1000	0.93	2.79	160	80	0.031	4.5	9
	1/4	40	ZD □	4	-100	750	1.23	3.69	160	80	0.022	6	12
	1/5	40	ZD □	5	-100	600	1.54	4.62	160	80	0.019	6	12
	1/8	40	ZD □	8	-100	375	2.46	7.38	160	80	0.017	5	10
	1/10	60	ZD □	10	-100	300	3.08	9.24	450	225	0.054	12	24
	1/9	40	ZD □	9	-100	333.3	2.72	8.15	160	80	0.03	16.5	33
	1/12	40	ZD □	12	-100	250	3.62	10.86	160	80	0.022	16.5	33
	1/15	40	ZD □	15	-100	200	4.52	13.57	160	80	0.019	16.5	33
	1/16	40	ZD □	16	-100	187.5	4.82	14.47	160	80	0.022	20	40
	1/20	40	ZD □	20	-100	150	6.03	18.08	160	80	0.019	20	40
	1/25	40	ZD □	25	-100	120	7.53	22.59	160	80	0.019	18	36
	1/32	40	ZD □	32	-100	93.75	9.64	28.91	160	80	0.017	20	40
	1/40	40	ZD □	40	-100	75	12.04	36.00	160	80	0.064	18	36
	1/64	80	ZD □	64	-100	46.875	19.26	57.78	900	450	0.44	50	100
	1/60	60	ZD □	60	-100	50	17.29	51.87	450	225	0.075	40	80
	1/80	60	ZD □	80	-100	37.5	23.05	69.15	450	225	0.075	44	88
	1/100	80	ZD □	100	-100	30	28.81	86.43	450	225	0.075	44	88
	1/120	80	ZD □	120	-100	25	34.57	103.71	900	450	0.39	110	220
	1/160	80	ZD □	160	-100	18.75	46.09	138.27	900	450	0.39	120	240
	1/200	80	ZD □	200	-100	15	57.61	172.83	900	450	0.39	110	220
	1/256	80	ZD □	256	-100	11.72	73.74	221.21	900	450	0.39	120	240
	1/320	120	ZD □	320	-100	9.375	92.17	276.51	2100	1050	1.3	230	460

注1) 安装基准系列 (马达适用表记载系列) 以外的马达时, 每次都要与我们联系。(法兰尺寸可能不同)

注2) 输入轴换算惯性力矩仅为减速机的数值, 不包括马达的惯性力矩。

注3) 最高输入转速为5000rpm。正常情况下请将转速控制在3000rpm以下。

注4) 容许径向负荷表示输出轴中央部位的值。

注5) 马达的安装顺序请参照P.190

注6) 输出轴旋转方向与马达输入旋转方向相同。

Note 1) In case of attachment to a motor beyond the standard models(motor matching series), contact us.(How to measure dimensions of the flange may be changed in some cases.)

Note 2) The moment of inertia of input shaft conversion is only gained from the reducer, so it does not include moment of inertia of the motor.

Note 3) The max. input speed is 5000rpm, and usually set to 3000rpm or less.

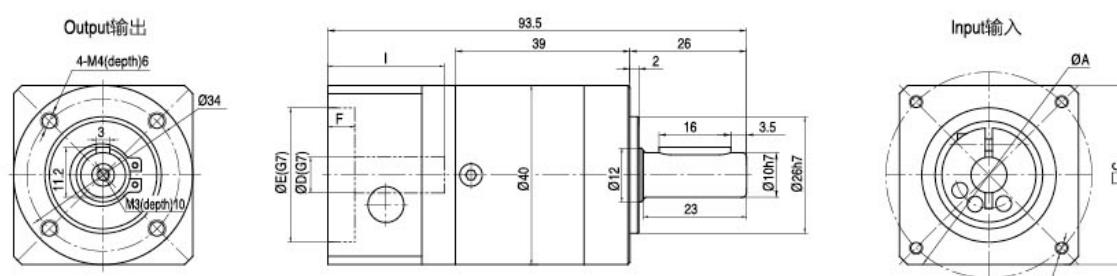
Note 4) The permissible radial load is indicated on the center of the output shaft.

Note 5) For motor assembly procedure, see 190 page.

Note 6) Rotation of the output shaft is in the same direction as motor.

### ■ ZDE尺寸图 Dimensional Drawing

#### ● 40ZDE3-4-5-8-100



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	45	M3;深(depth)10	40	8	30	4	26
T2	46	M4;深(depth)10	40	8	30	4	26
T3	46	M4;深(depth)10	40	8	30	4	26

● T1~3的详细情况请参照P.188

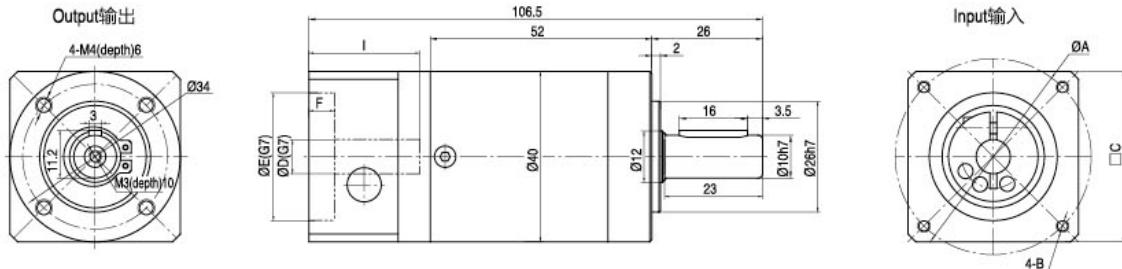
● For details of T1~3, see 188 page.

## ZDE/ZDF 100W 尺寸图与性能表

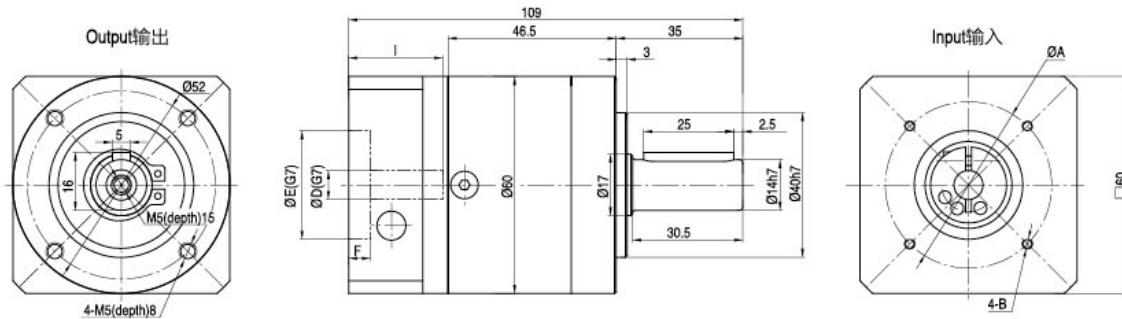
## ZDE/ZDF 100W DIMENSIONAL DRAWING &amp; PERFORMANCE TABLE

## ■ ZDE尺寸图 Dimensional Drawing

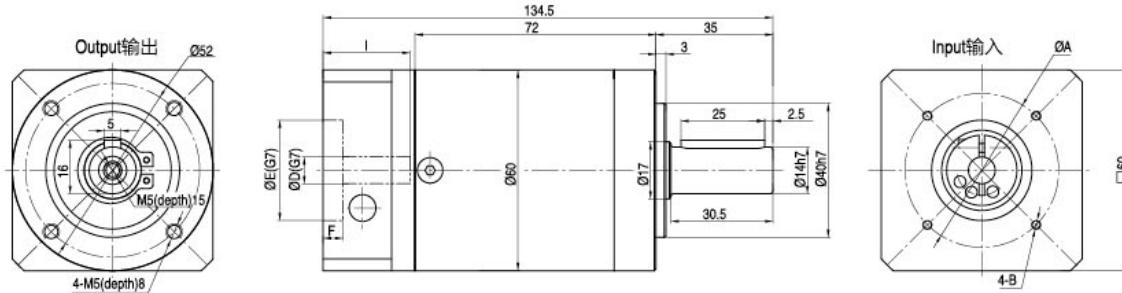
## ● 40ZDE9-12-15-16-20-25-32-40-100



## ● 60ZDE10-100



## ● 60ZDE60-80-100



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位 Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	45	M3深(depth)10	40	8	30	4	26
T2	46	M4深(depth)10	40	8	30	4	26
T3	46	M4深(depth)10	40	8	30	4	26

● T1~3的详细情况请参照P.188

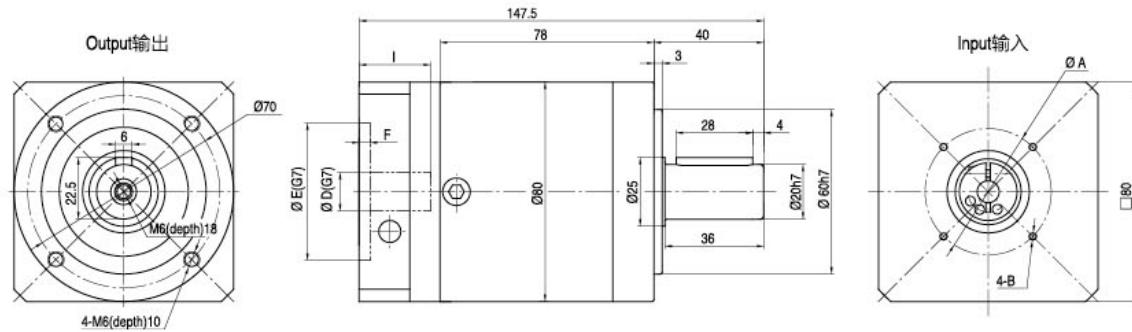
● For details of T1~3, see 188 page.

# ZDE/ZDF 100W 尺寸图与性能表

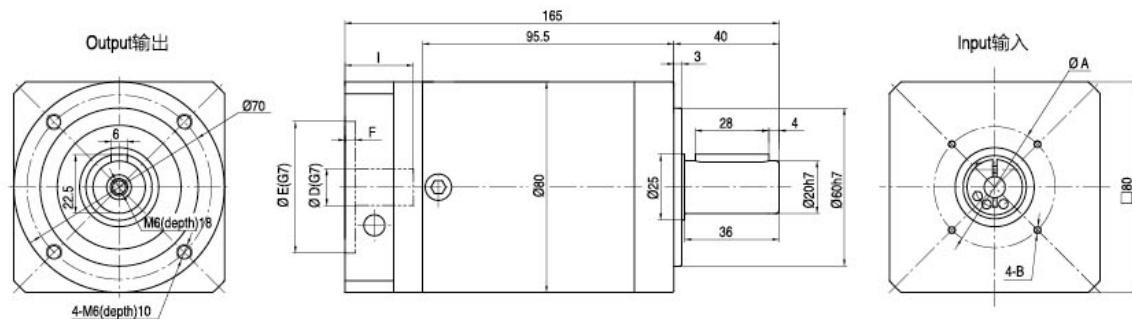
# ZDE/ZDF 100W DIMENSIONAL DRAWING & PERFORMANCE TABLE

## ■ ZDE尺寸图 Dimensional Drawing

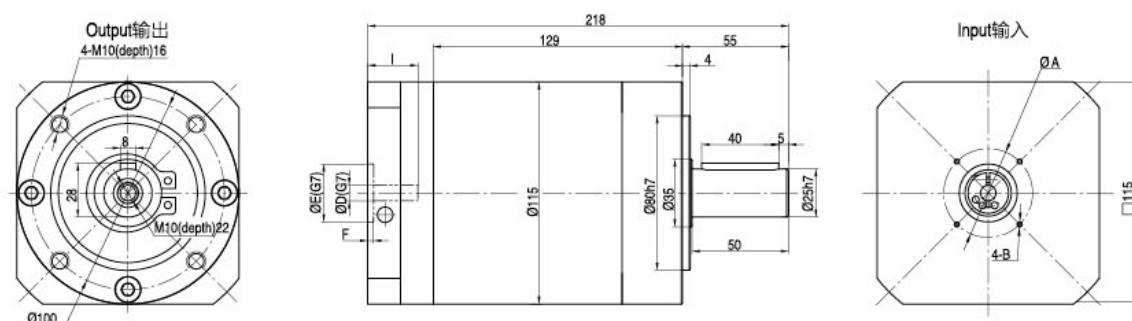
### ● 80ZDE64-100



### ● 80ZDE100-120-160-200-256-100



### ● 120ZDE320-100



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	45	M3深(depth)10	40	8	30	4	26
T2	46	M4深(depth)10	40	8	30	4	26
T3	46	M4深(depth)10	40	8	30	4	26

● T1~3的详细情况请参照P.188

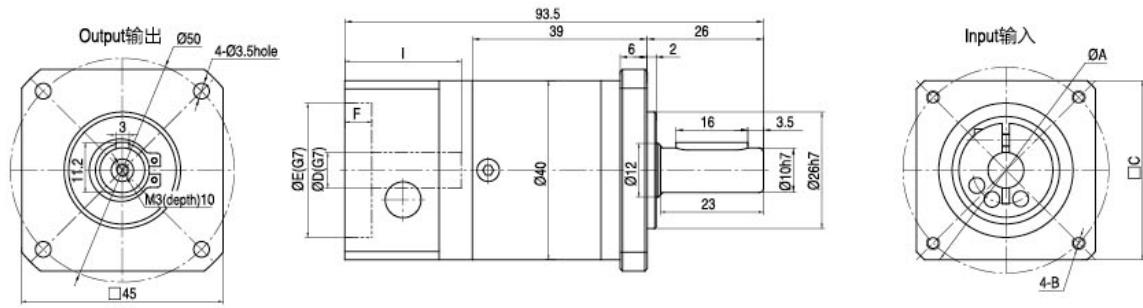
● For details of T1~3, see 188 page.

## ZDE/ZDF 100W 尺寸图与性能表

## ZDE/ZDF 100W DIMENSIONAL DRAWING & PERFORMANCE TABLE

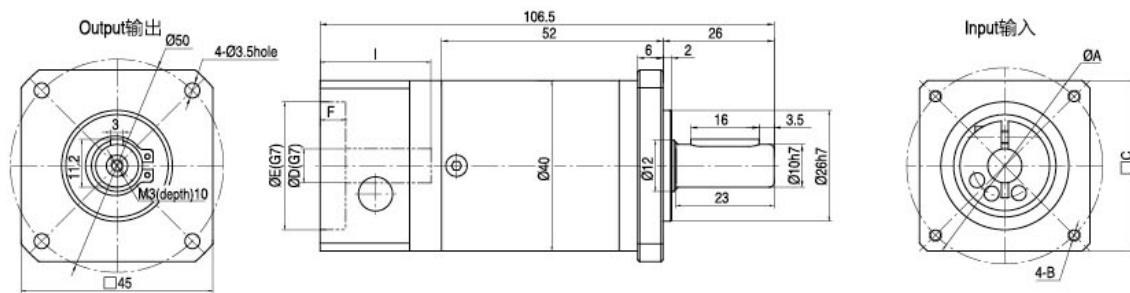
## ■ ZDF尺寸图 Dimensional Drawing

● 40ZDF3•4•5•8-100



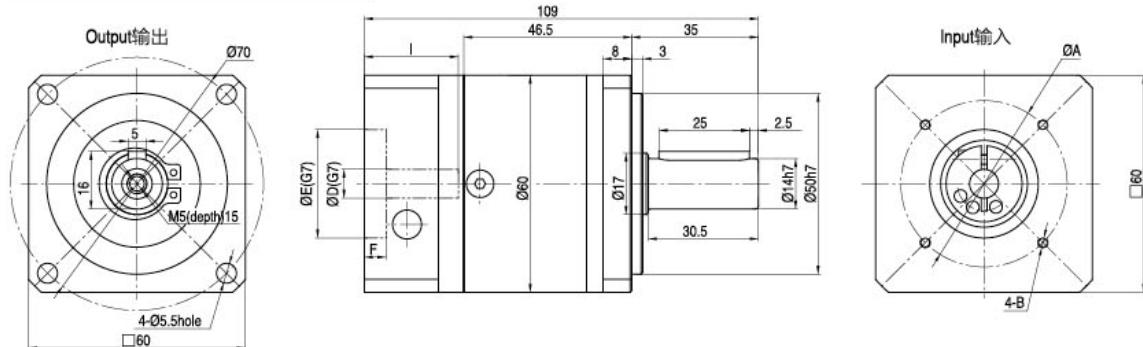
● 40ZDF9•12•15•16•20•25•32•40-100

Output输出



● 60ZDF10-100

Output输出



#### ■法兰部位详细尺寸表Detailed flange dimensions table (单位Unit: mm)

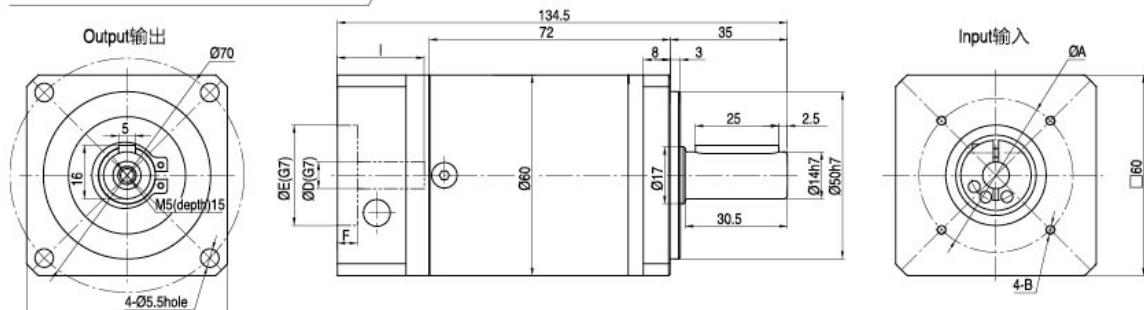
马达种类 Motor type	A	B	C	D	E	F	I
T1	45	M3深(depth)10	40	8	30	4	26
T2	46	M4深(depth)10	40	8	30	4	26
T3	46	M4深(depth)10	40	8	30	4	26

●T1~3的详细情况请参照P.188

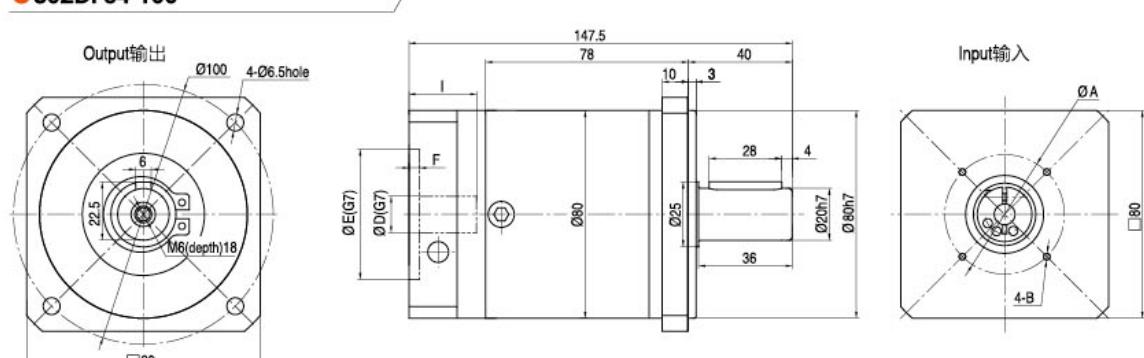
● For details of T1~3, see 188 page.

#### ■ ZDF尺寸图 Dimensional Drawing

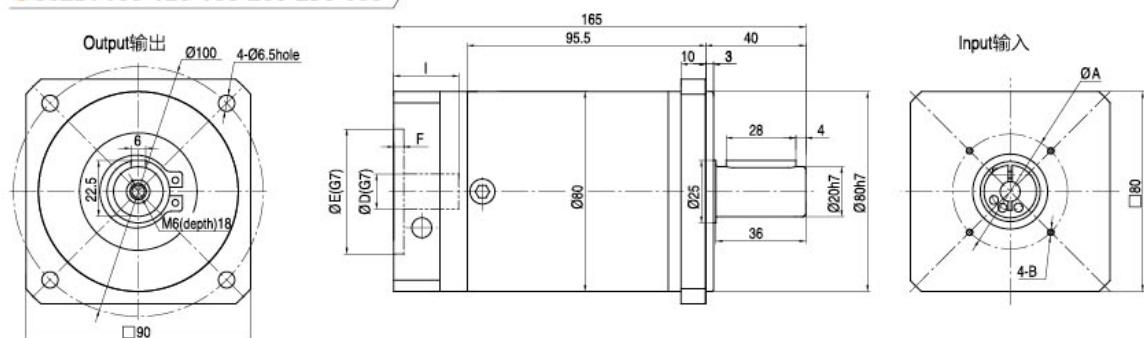
● 60ZDF60-80-100



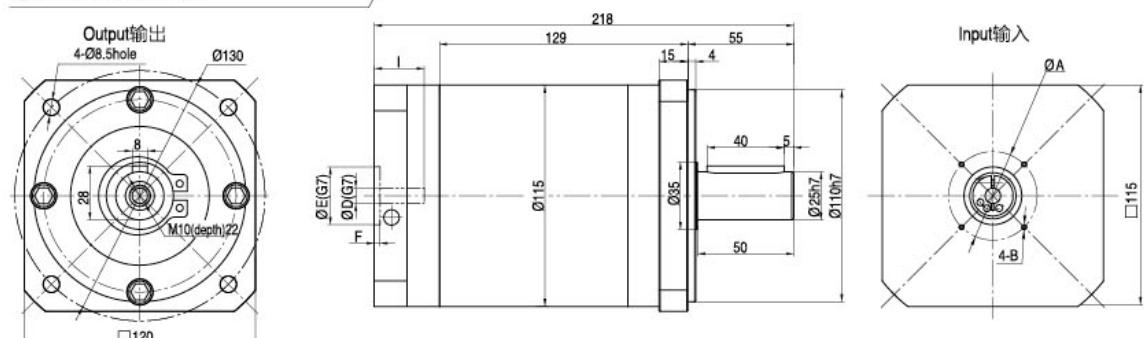
80ZDF64-100



● 80ZDF100-120-160-200-256-100



● 120ZDF320-100



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位 Unit: mm)

■法規部位詳述尺寸表Detailed range dimensions table (单位: mm)								
马达种类	Motor type	A	B	C	D	E	F	
T1		45	M3深(depth)10	40	8	30	4	26
T2		46	M4深(depth)10	40	8	30	4	26
T3		46	M4深(depth)10	40	8	30	4	26

●T1~3的详细情况请参照P.188

● For details of T1~3, see 188 page.

## ZDE/ZDF 200W 尺寸图与性能表

## ZDE/ZDF 200W DIMENSIONAL DRAWING & PERFORMANCE TABLE

■ 性能表 Performance Table (输入转速为3,000rpm时 When input speed is 3000rpm)

**注1) 安装基准系列(马达适用表记载系列)以外的马达时,每次都要与我们联系。(法兰尺寸可能不同)**

注2) 输入轴换算惯性力矩仅为减速机的数值，不包括马达的惯性力矩。

注3) 最高输入转速为5000rpm。正常情况下请转速控制在3000rpm以下。

注4) 容许径向负荷表示输出轴中央部位的值。

注5) 马达的安装顺序请参照P.190

注6) 输出轴旋转方向与马达输入旋转方向相同。

Note 1) In case of attachment to a motor beyond the standard models(motor matching series), contact us.(How to measure dimensions of the flange may be changed in some cases.)

Note 2) The moment of inertia of input shaft conversion is only gained from the reducer, so it does not include moment of inertia of the motor.

Note 3) The max. input speed is 5000rpm, and usually set to 3000rpm or less.

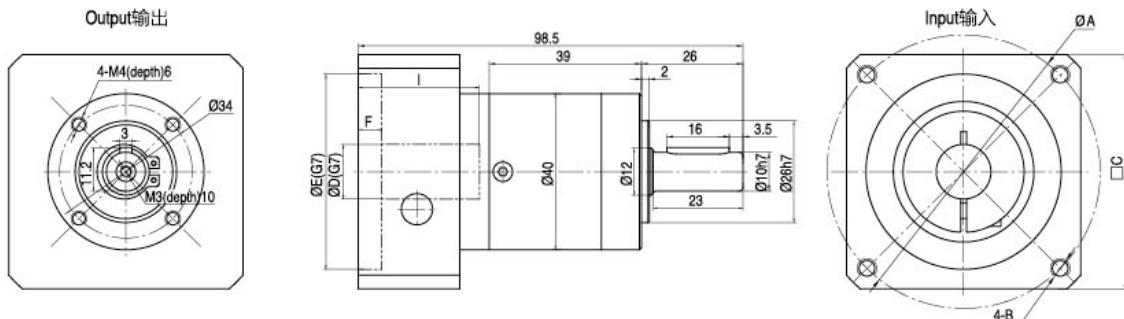
Note 4) The permissible radial load is indicated on the center of the output shaft.

Note 5) For motor assembly procedure, see 190 page.

**Note 6) Rotation of the output shaft is in the same direction as motor.**

## ■ ZDE尺寸图 Dimensional Drawing

● 40ZDE3-4-5-200



#### ■法兰部位详细尺寸表Detailed flange dimensions table (单位Unit: mm)

马达种类Motor type	A	B	C	D	E	F	I
T1	70	M4深(depth)10	60	11	50	4	30
T2	70	M5深(depth)12	60	14	50	4	30
T3	70	M5深(depth)12	60	14	50	4	30

●T1~3的详细情况请参照P.188

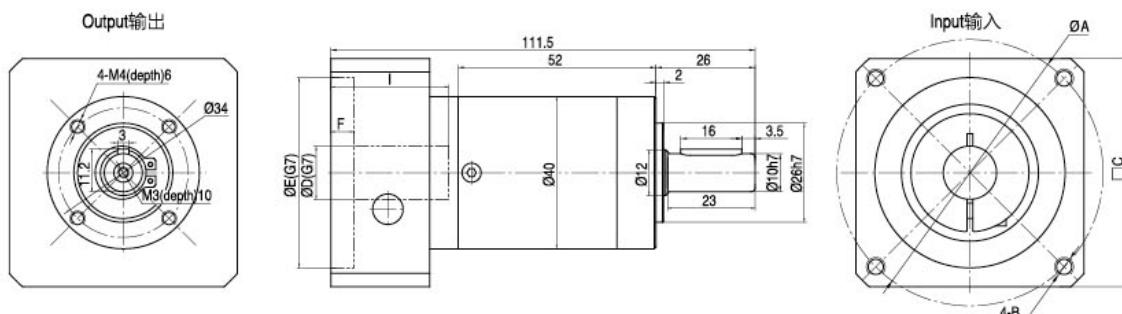
● For details of T1~3, see 188 page.

# ZDE/ZDF 200W 尺寸图与性能表

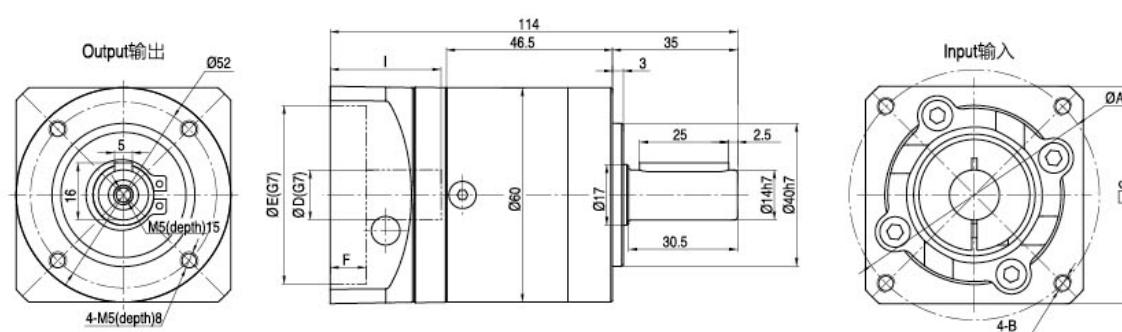
## ZDE/ZDF 200W DIMENSIONAL DRAWING & PERFORMANCE TABLE

### ■ ZDE尺寸图 Dimensional Drawing

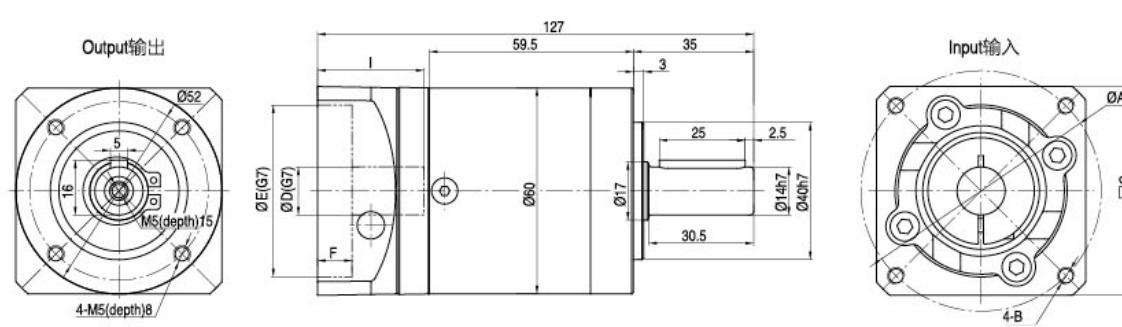
#### ● 40ZDE9-12-15-16-20-200



#### ● 60ZDE8-10-200



#### ● 60ZDE25-32-40-200



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	70	M4深(depth)10	60	11	50	4	30
T2	70	M5深(depth)12	60	14	50	4	30
T3	70	M5深(depth)12	60	14	50	4	30

● T1~3的详细情况请参照P.188

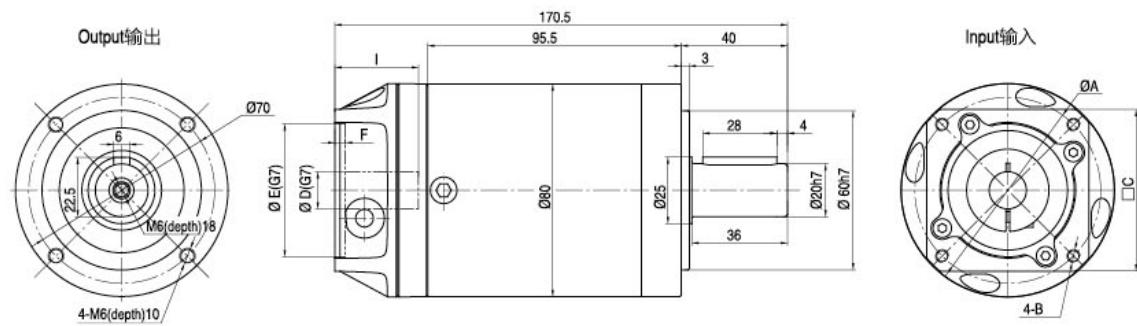
● For details of T1~3, see 188 page.

## ZDE/ZDF 200W 尺寸图与性能表

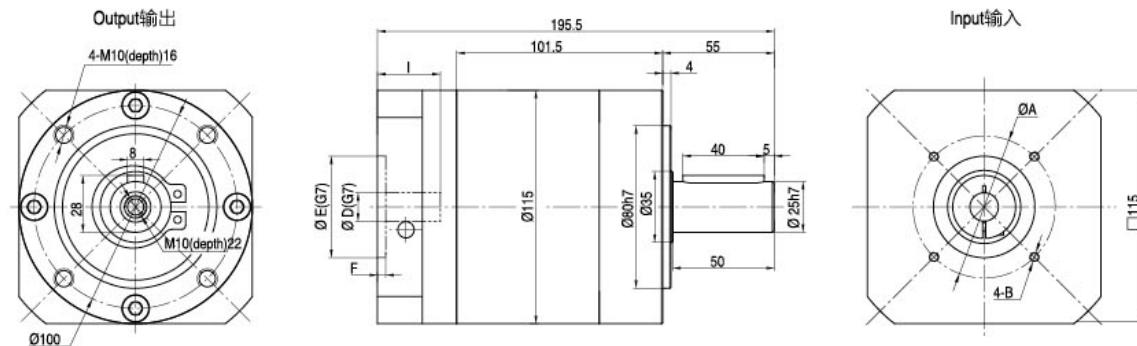
## ZDE/ZDF 200W DIMENSIONAL DRAWING & PERFORMANCE TABLE

■ ZDE尺寸图 Dimensional Drawing

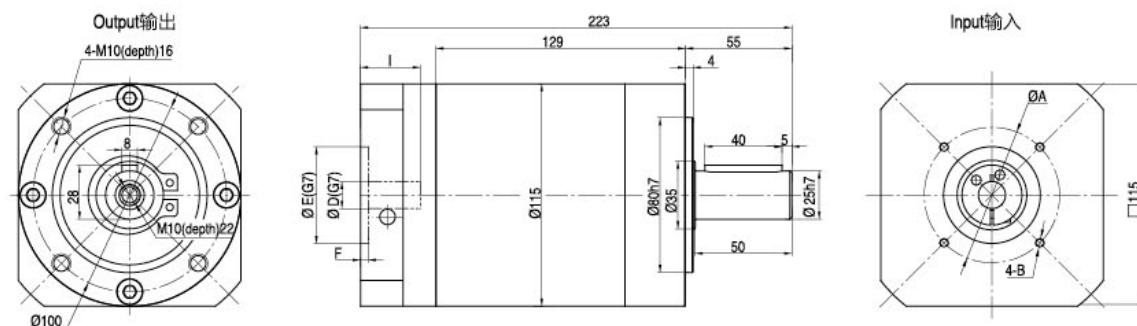
● 80ZDE60•80•100•120-200



● 120ZDE64-200



● 120ZDE160•200•256-200



■法兰部位详细尺寸表Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	70	M4深(depth)10	60	11	50	4	30
T2	70	M5深(depth)12	60	14	50	4	30
T3	70	M5深(depth)12	60	14	50	4	30

●T1~3的详细情况请参照P.188

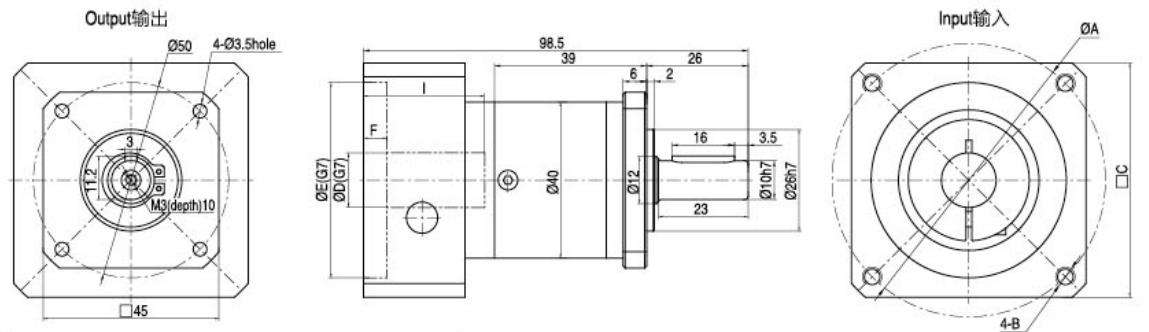
● For details of T1~3, see 188 page.

# ZDE/ZDF 200W 尺寸图与性能表

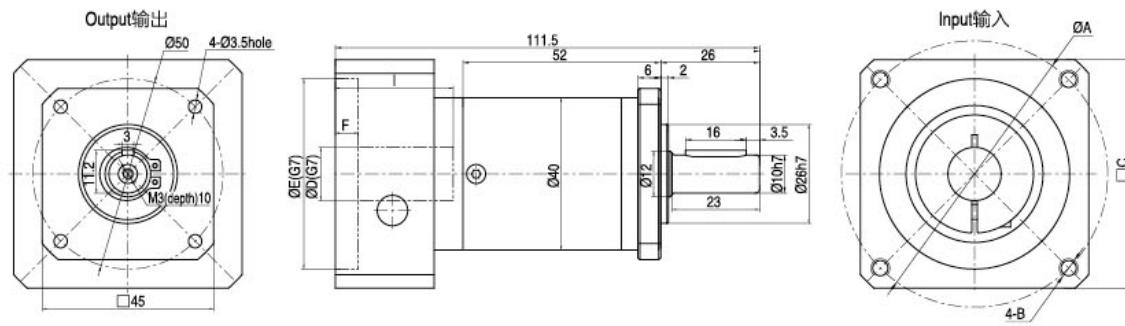
## ZDE/ZDF 200W DIMENSIONAL DRAWING & PERFORMANCE TABLE

### ■ ZDF尺寸图 Dimensional Drawing

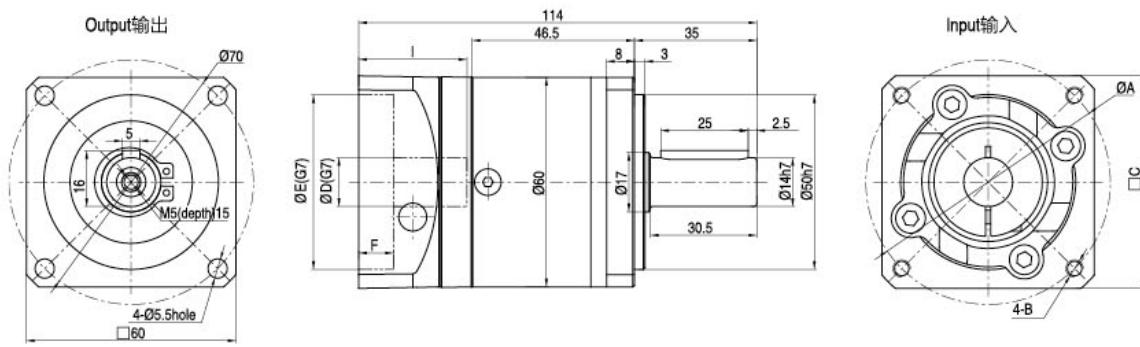
#### ● 40ZDF3·4·5-200



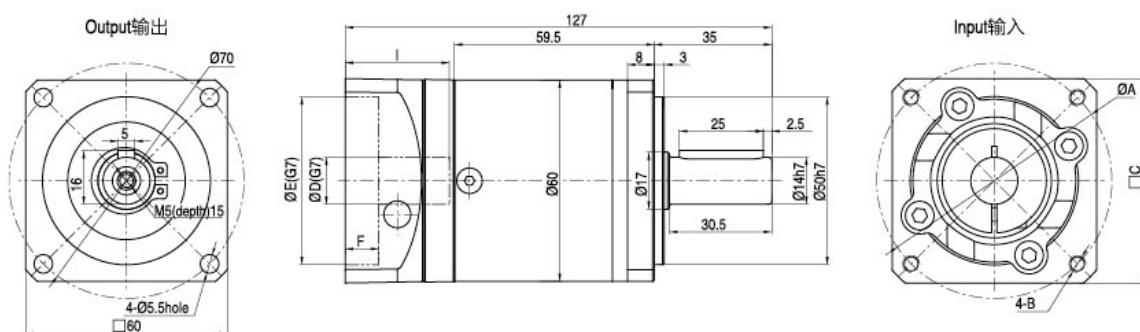
#### ● 40ZDF9·12·15·16·20-200



#### ● 60ZDF8·10-200



#### ● 60ZDF25·32·40-200



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	70	M4(深(depth)10	60	11	50	4	30
T2	70	M5(深(depth)12	60	14	50	4	30
T3	70	M5(深(depth)12	60	14	50	4	30

● T1~3的详细情况请参照P.188

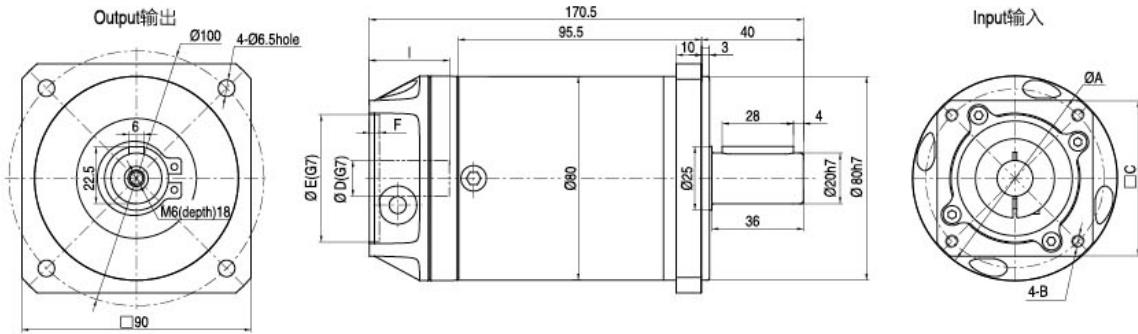
● For details of T1~3, see 188 page.

## ZDE/ZDF 200W 尺寸图与性能表

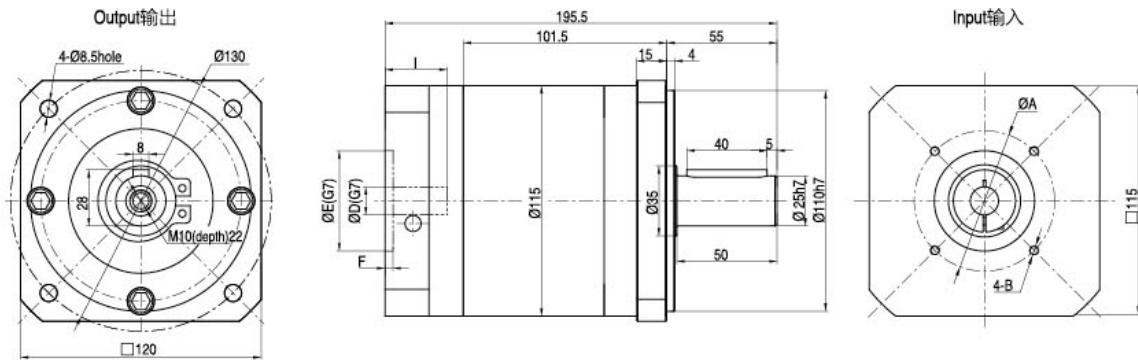
## ZDE/ZDF 200W DIMENSIONAL DRAWING &amp; PERFORMANCE TABLE

## ■ ZDF尺寸图 Dimensional Drawing

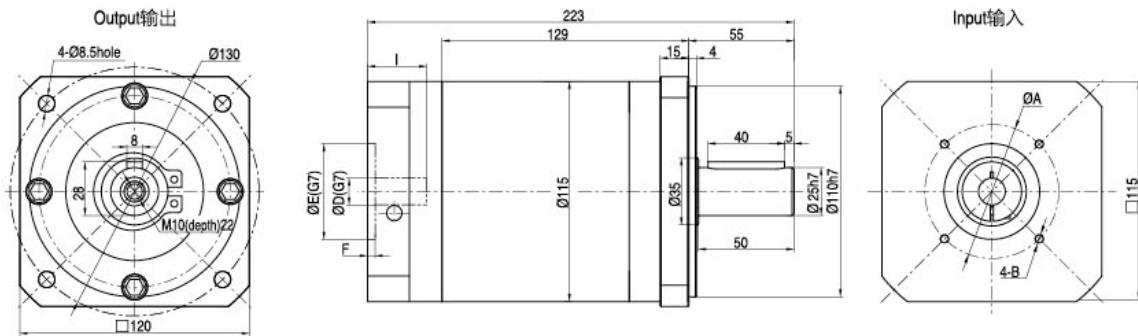
## ● 80ZDF60-80-100-120-200



## ● 120ZDF64-200



## ● 120ZDF160-200-256-200



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	70	M4深(depth)10	60	11	50	4	30
T2	70	M5深(depth)12	60	14	50	4	30
T3	70	M5深(depth)12	60	14	50	4	30

● T1~3的详细情况请参照P.188

● For details of T1~3, see 188 page.

# ZDE/ZDF 400W 尺寸图与性能表

## ZDE/ZDF 400W DIMENSIONAL DRAWING & PERFORMANCE TABLE

### ■ 性能表 Performance Table (输入转速为3,000rpm时 When input speed is 3000rpm)

额定输入 马达功率 Rated input motor	减速比 Reduction ratio	型号 Type			输出轴 转速 Output shaft speed	额定输出 扭矩 Standard output torque	瞬间最大 输出扭矩 Instantaneous max. output torque	容许径向 负荷 Permissible radial load	容许轴向 负荷 Permissible axial load	输入轴换算 内部惯性力矩 Internal moment of inertia of input shaft conversion	容许输出 扭矩 Permissible output torque	瞬间最大容 许输出扭矩 Instantaneous max. permissi- ble output torque	
		机座号 Type no.	系列号 Model	减速比 Reduction ratio	马达功率 Motor								
400W	1/3	60	ZD □	3	-400	1000	3.75	11.25	450	225	0.135	12	24
	1/4	60	ZD □	4	-400	750	5.00	15.00	450	225	0.093	16	32
	1/5	60	ZD □	5	-400	600	6.25	18.75	450	225	0.078	16	32
	1/8	60	ZD □	8	-400	375	9.99	29.97	450	225	0.065	15	30
	1/10	80	ZD □	10	-400	300	12.49	37.47	900	450	0.34	40	80
	1/9	40	ZD □	9	-400	333.3	11.01	33.00	160	80	0.03	16.5	33
	1/12	60	ZD □	12	-400	250	14.67	44.02	450	225	0.088	40	80
	1/15	60	ZD □	15	-400	200	18.34	55.02	450	225	0.075	40	80
	1/16	60	ZD □	16	-400	187.5	19.56	58.69	450	225	0.088	44	88
	1/20	60	ZD □	20	-400	150	24.45	73.35	450	225	0.075	44	88
	1/25	80	ZD □	25	-400	120	30.56	91.68	900	450	0.44	110	220
	1/32	80	ZD □	32	-400	93.75	39.11	117.34	900	450	0.39	120	240
	1/40	80	ZD □	40	-400	75	48.89	146.67	900	450	0.39	110	220
	1/64	120	ZD □	64	-400	46.875	78.22	234.65	2100	1050	1.3	120	240
	1/60	120	ZD □	60	-400	50	70.21	210.63	2100	1050	1.49	210	420
	1/80	120	ZD □	80	-400	37.5	93.61	280.83	2100	1050	1.5	260	520
	1/100	120	ZD □	100	-400	30	117.01	351.03	2100	1050	1.49	260	520
	1/120	120	ZD □	120	-400	25	140.41	421.23	2100	1050	1.3	230	460

注1) 安装基准系列 (马达适用表记载系列) 以外的马达时, 每次都要与我们联系。(法兰尺寸可能不同)

注2) 输入轴换算惯性力矩仅为减速机的数值, 不包括马达的惯性力矩。

注3) 最高输入转速为5000rpm。正常情况下请将转速控制在3000rpm以下。

注4) 容许径向负荷表示输出轴中央部位的值。

注5) 马达的安装顺序请参照P.190

注6) 输出轴旋转方向与马达输入旋转方向相同。

Note 1) In case of attachment to a motor beyond the standard models(motor matching series), contact us.(How to measure dimensions of the flange may be changed in some cases.)

Note 2) The moment of inertia of input shaft conversion is only gained from the reducer, so it does not include moment of inertia of the motor.

Note 3) The max. input speed is 5000rpm, and usually set to 3000rpm or less.

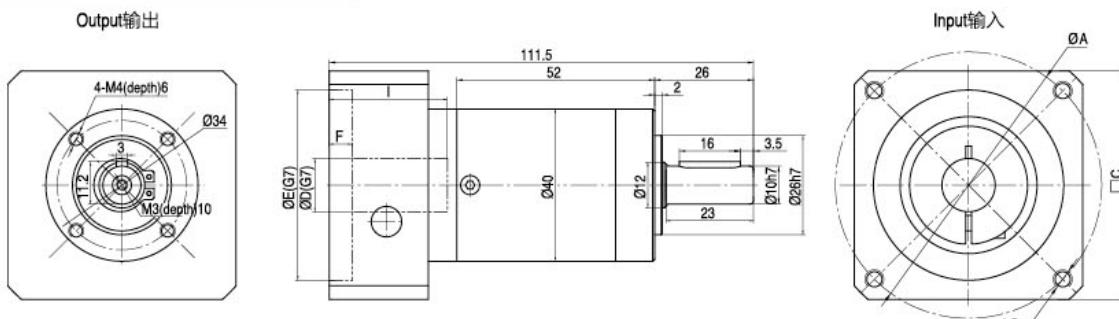
Note 4) The permissible radial load is indicated on the center of the output shaft.

Note 5) For motor assembly procedure, see 190 page.

Note 6) Rotation of the output shaft is in the same direction as motor.

### ■ ZDE尺寸图 Dimensional Drawing

#### ● 40ZDE9-400



#### ■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	70	M4深(depth)10	60	14	50	4	30
T2	70	M5深(depth)12	60	14	50	4	30
T3	70	M5深(depth)12	60	14	50	4	30

● T1~3的详细情况请参照P.188

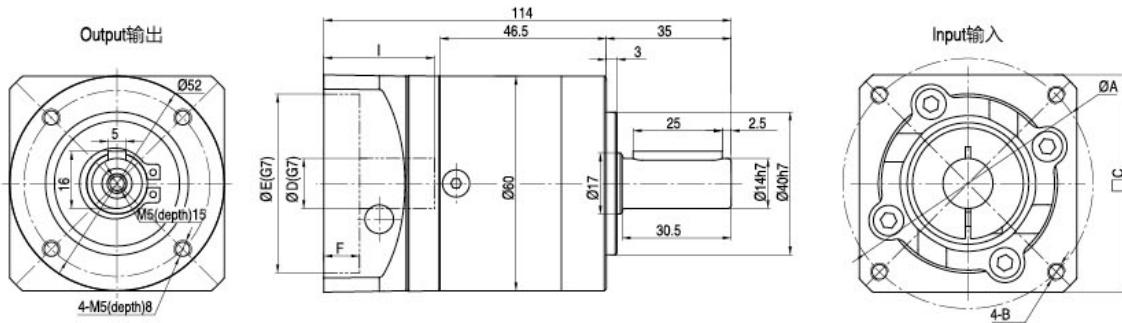
● For details of T1~3, see 188 page.

## ZDE/ZDF 400W 尺寸图与性能表

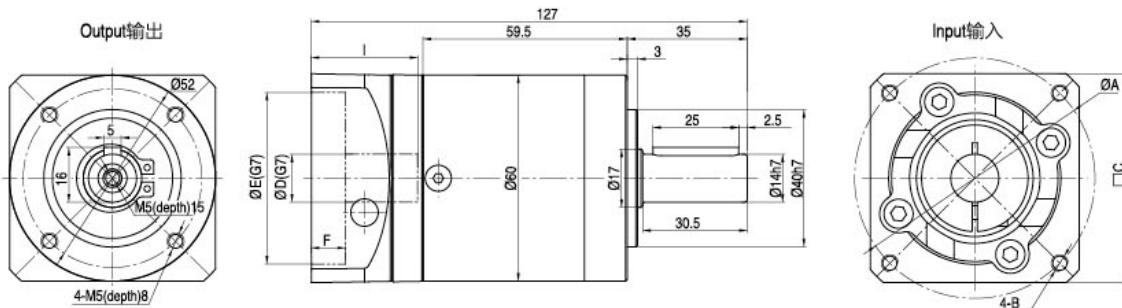
## ZDE/ZDF 400W DIMENSIONAL DRAWING &amp; PERFORMANCE TABLE

## ■ ZDE尺寸图 Dimensional Drawing

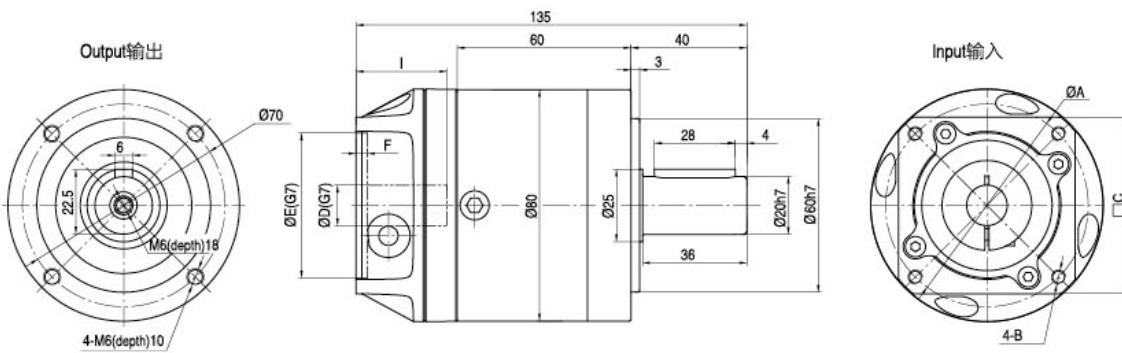
## ● 60ZDE3·4·5·8-400



## ● 60ZDE12·15·16·20-400



## ● 80ZDE10-400



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	70	M4深(depth)10	60	14	50	4	30
T2	70	M5深(depth)12	60	14	50	4	30
T3	70	M5深(depth)12	60	14	50	4	30

● T1~3的详细情况请参照P.188

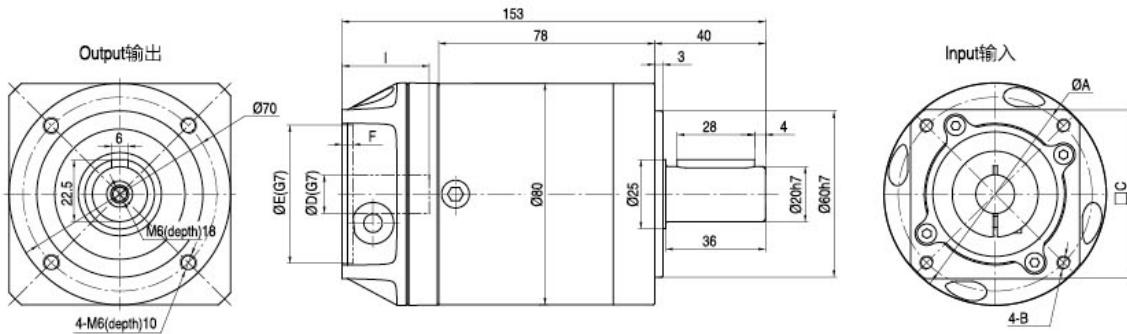
● For details of T1~3, see 188 page.

# ZDE/ZDF 400W 尺寸图与性能表

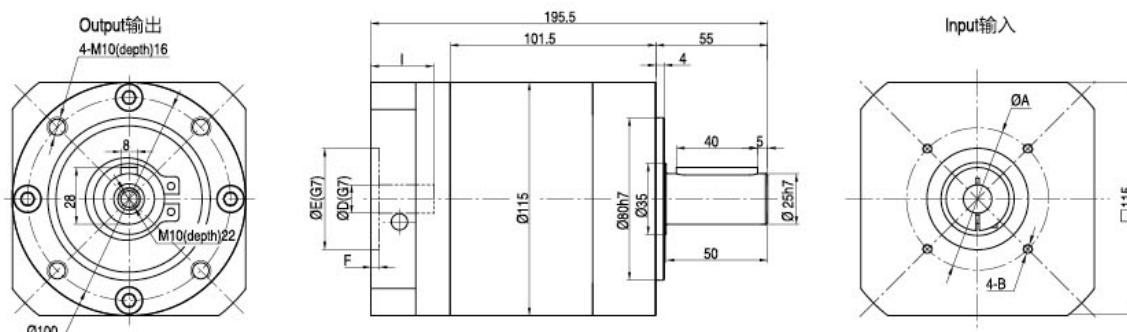
## ZDE/ZDF 400W DIMENSIONAL DRAWING & PERFORMANCE TABLE

### ■ ZDE尺寸图 Dimensional Drawing

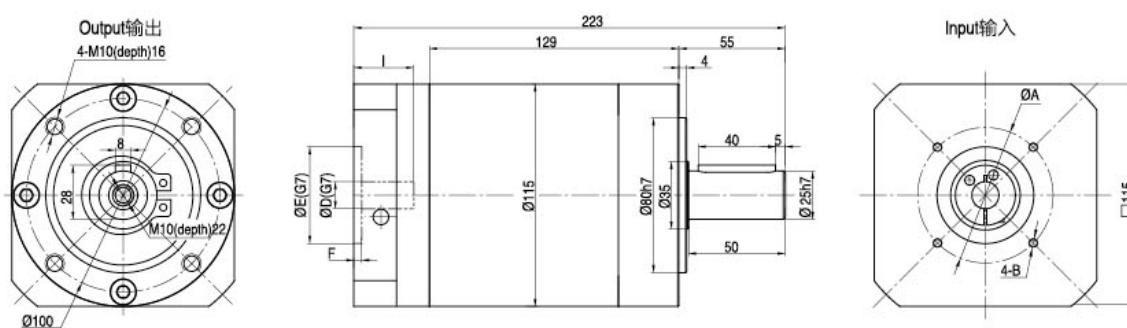
#### ● 80ZDE25-32-40-400



#### ● 120ZDE64-400



#### ● 120ZDE60-80-100-120-400



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	70	M4深(depth)10	60	14	50	4	30
T2	70	M5深(depth)12	60	14	50	4	30
T3	70	M5深(depth)12	60	14	50	4	30

● T1~3的详细情况请参照P.188

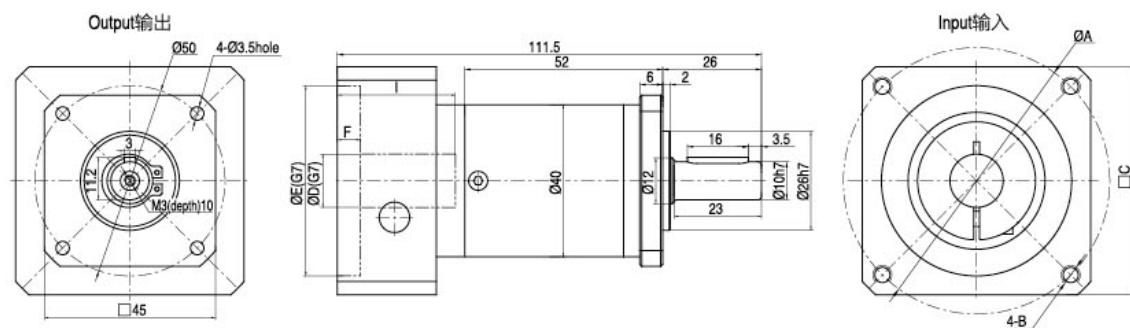
● For details of T1~3, see 188 page.

# ZDE/ZDF 400W 尺寸图与性能表

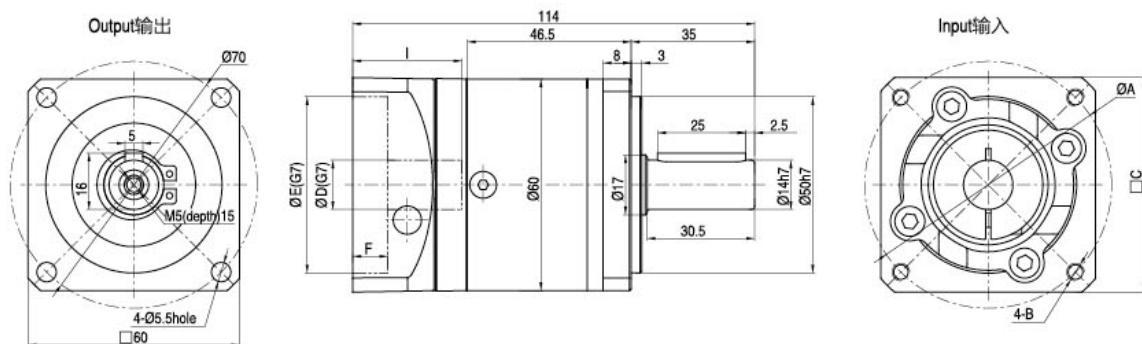
## ZDE/ZDF 400W DIMENSIONAL DRAWING & PERFORMANCE TABLE

### ■ ZDF尺寸图 Dimensional Drawing

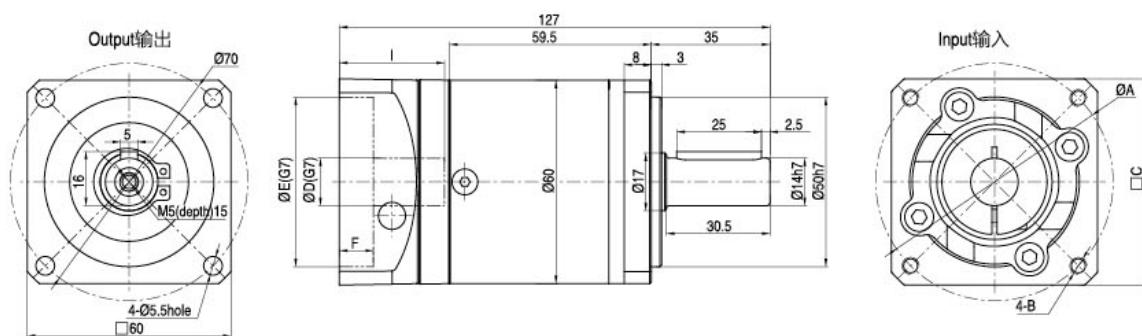
#### ● 40ZDF9-400



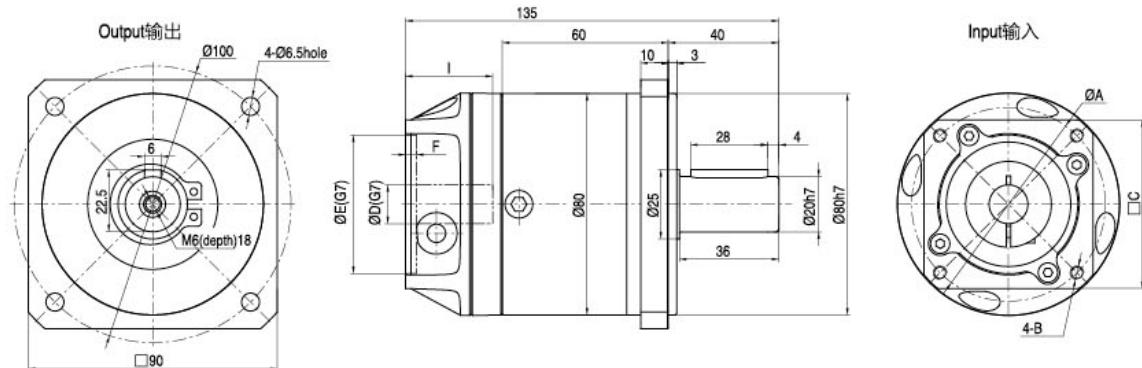
#### ● 60ZDF3·4·5·8-400



#### ● 60ZDF12·15·16·20-400



#### ● 80ZDF10-400



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	70	M4深(depth)10	60	14	50	4	30
T2	70	M5深(depth)12	60	14	50	4	30
T3	70	M5深(depth)12	60	14	50	4	30

● T1~3的详细情况请参照P.188

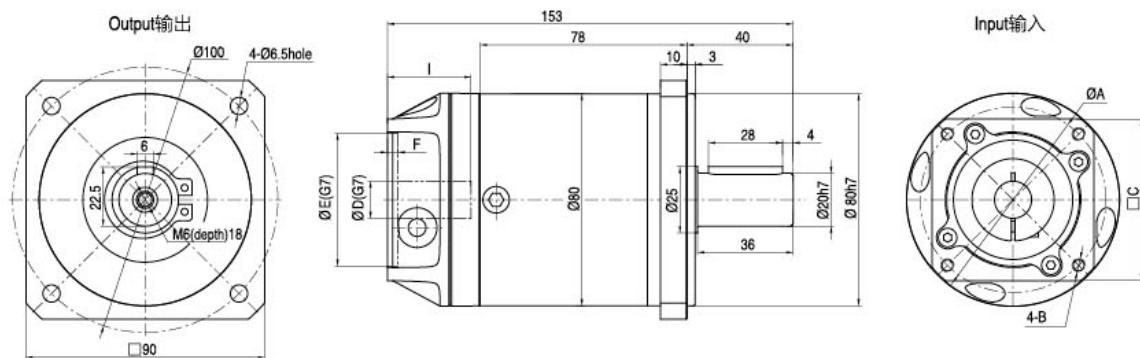
● For details of T1~3, see 188 page.

# ZDE/ZDF 400W 尺寸图与性能表

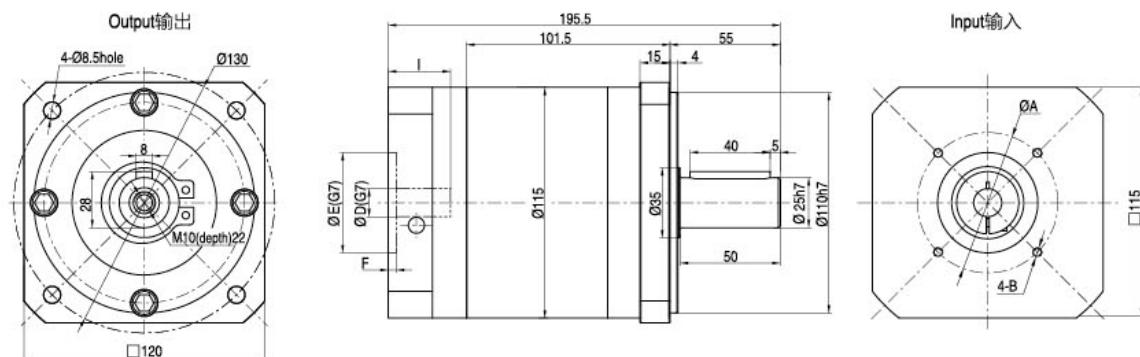
## ZDE/ZDF 400W DIMENSIONAL DRAWING & PERFORMANCE TABLE

### ■ ZDF尺寸图 Dimensional Drawing

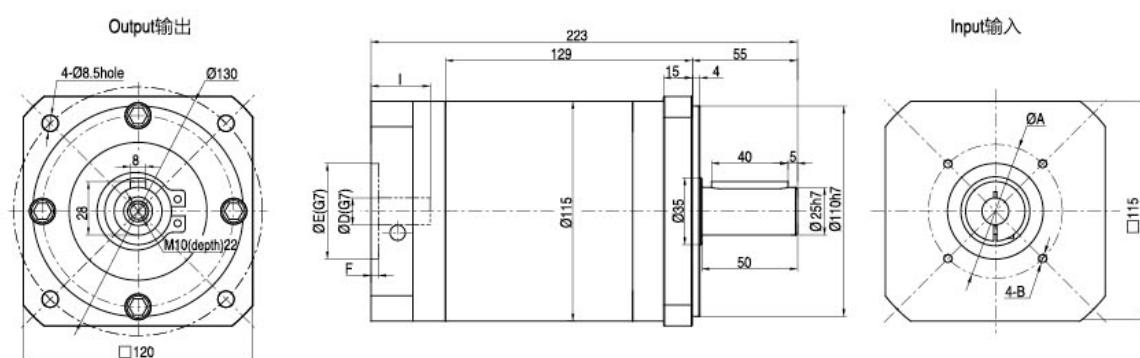
#### ● 80ZDF25-32-40-400



#### ● 120ZDF64-400



#### ● 120ZDF60-80-100-120-400



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	70	M4深(depth)10	60	14	50	4	30
T2	70	M5深(depth)12	60	14	50	4	30
T3	70	M5深(depth)12	60	14	50	4	30

● T1~3的详细情况请参照P.188

● For details of T1~3, see 188 page.

## ZDE/ZDF 750W 尺寸图与性能表

## ZDE/ZDF 750W DIMENSIONAL DRAWING &amp; PERFORMANCE TABLE

## ■ 性能表 Performance Table (输入转速为3,000rpm时 When input speed is 3000rpm)

额定输入 马达功率 Rated input motor	减速比 Reduction ratio	型号 Type			输出轴 转速 Output shaft speed	额定输出 扭矩 Standard output torque	瞬间最大 输出扭矩 Instantaneous max. output torque	容许径向 负荷 Permissible radial load	容许轴向 负荷 Permissible axial load	输入轴换算 内部惯性力矩 Internal moment of inertia of input shaft conversion	容许输出 扭矩 Permissible output torque	瞬间最大容 许输出扭矩 Instantaneous max. permissible output torque	
		机座号 Type no.	系列号 Model	减速比 Reduction ratio									
750W	1/3	60	ZD □	3	-750	1000	6.92	20.76	450	225	0.135	12	24
	1/4	60	ZD □	4	-750	750	9.22	27.66	450	225	0.093	16	32
	1/5	80	ZD □	5	-750	600	11.53	34.59	900	450	0.45	50	100
	1/8	80	ZD □	8	-750	375	18.44	55.32	900	450	0.39	45	90
	1/10	80	ZD □	10	-750	300	23.05	69.15	900	450	0.34	40	80
	1/9	60	ZD □	9	-750	333.3	20.31	60.94	450	225	0.131	40	80
	1/12	80	ZD □	12	-750	250	27.08	81.25	900	450	0.5	100	200
	1/15	80	ZD □	15	-750	200	33.85	101.55	900	450	0.44	100	200
	1/16	80	ZD □	16	-750	187.5	36.11	108.32	900	450	0.5	120	240
	1/20	80	ZD □	20	-750	150	45.13	135.39	900	450	0.44	120	240
	1/25	80	ZD □	25	-750	120	56.41	169.23	900	450	0.44	110	220
	1/32	80	ZD □	32	-750	93.75	72.20	216.61	900	450	0.39	120	240
	1/40	120	ZD □	40	-750	75	90.25	270.75	2100	1050	1.3	230	460
	1/64	160	ZD □	64	-750	46.875	144.39	433.18	6000	3000	4.5	450	900
	1/60	120	ZD □	60	-750	50	129.61	388.83	2100	1050	1.49	210	420

注1) 安装基准系列(马达适用表记载系列)以外的马达时, 每次都要与我们联系。(法兰尺寸可能不同)

注2) 输入轴换算惯性力矩仅为减速机的数值, 不包括马达的惯性力矩。

注3) 最高输入转速为5000rpm。正常情况下请转速控制在3000rpm以下。

注4) 容许径向负荷表示输出轴中央部位的值。

注5) 马达的安装顺序请参照P.190

注6) 输出轴旋转方向与马达输入旋转方向相同。

Note 1) In case of attachment to a motor beyond the standard models(motor matching series), contact us.(How to measure dimensions of the flange may be changed in some cases.)

Note 2) The moment of inertia of input shaft conversion is only gained from the reducer, so it does not include moment of inertia of the motor.

Note 3) The max. input speed is 5000rpm, and usually set to 3000rpm or less.

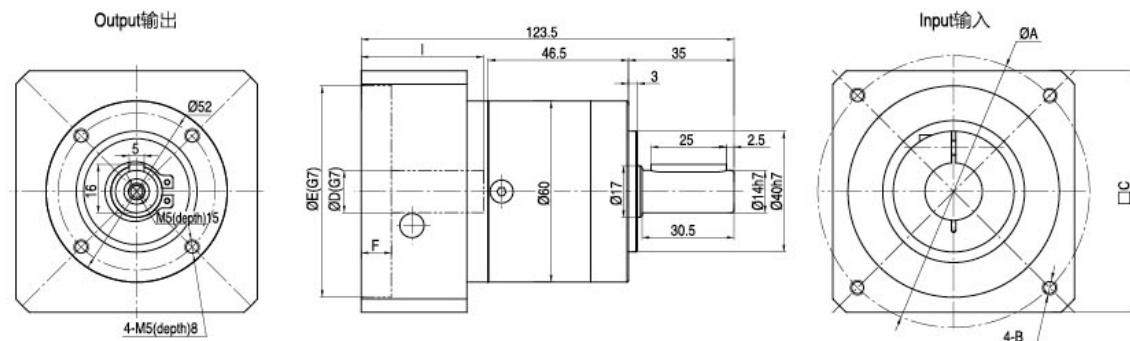
Note 4) The permissible radial load is indicated on the center of the output shaft.

Note 5) For motor assembly procedure, see 190 page.

Note 6) Rotation of the output shaft is in the same direction as motor.

## ■ ZDE尺寸图 Dimensional Drawing

## ● 60ZDE3-4-750



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	90	M5深(depth)12	80	19	70	5	40
T2	90	M6深(depth)15	80	19	70	5	40
T3	90	M6深(depth)15	80	19	70	5	40

● T1~3的详细情况请参照P.188

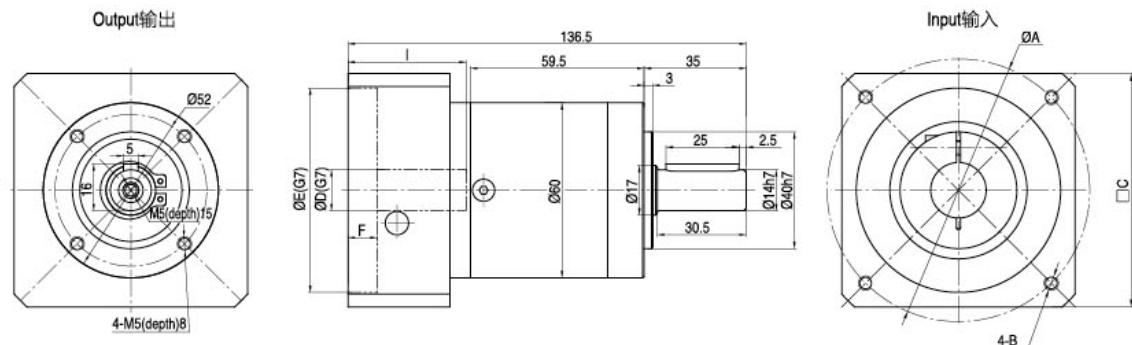
● For details of T1~3, see 188 page.

# ZDE/ZDF 750W 尺寸图与性能表

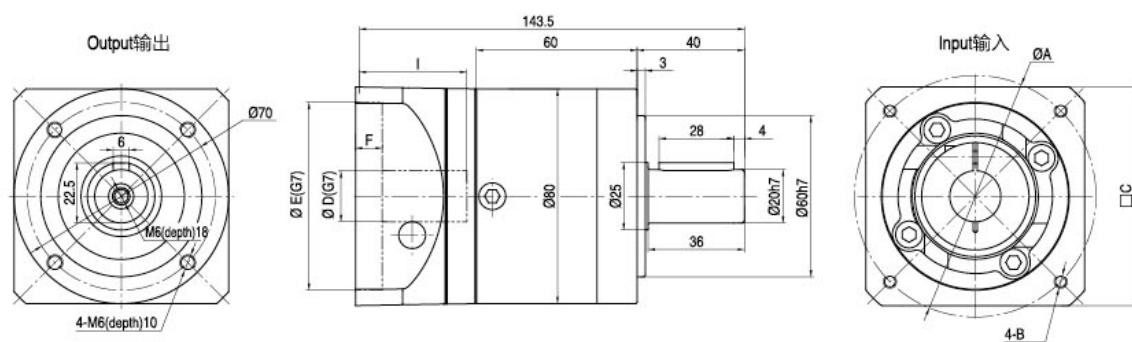
# ZDE/ZDF 750W DIMENSIONAL DRAWING & PERFORMANCE TABLE

## ■ ZDE尺寸图 Dimensional Drawing

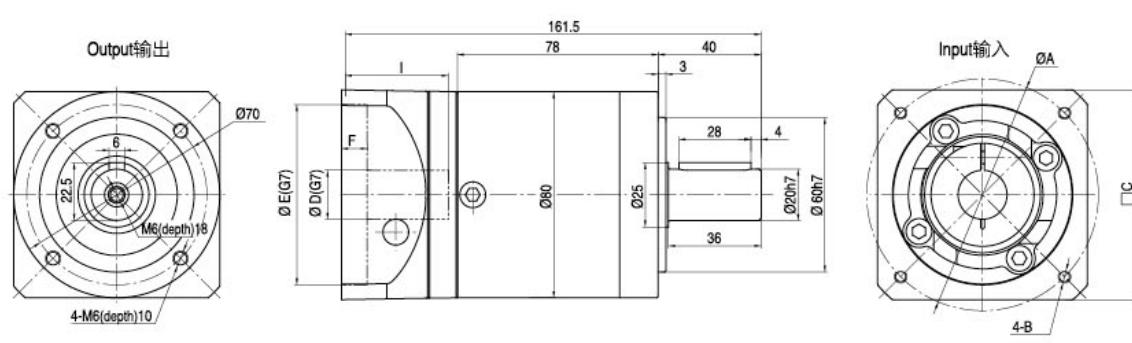
### ● 60ZDE9-750



### ● 80ZDE5-8-10-750



### ● 80ZDE12-15-16-20-25-32-750



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	90	M5深(depth)12	80	19	70	5	40
T2	90	M6深(depth)15	80	19	70	5	40
T3	90	M6深(depth)15	80	19	70	5	40

● T1~3的详细情况请参照P.188

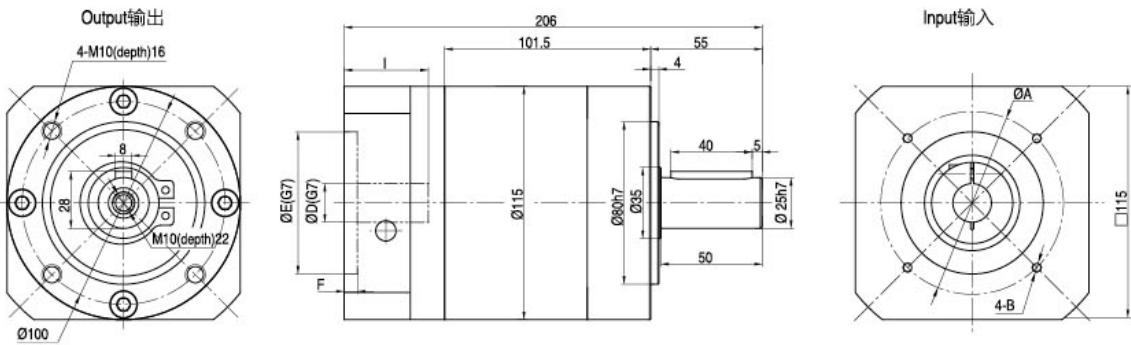
● For details of T1~3, see 188 page.

## ZDE/ZDF 750W 尺寸图与性能表

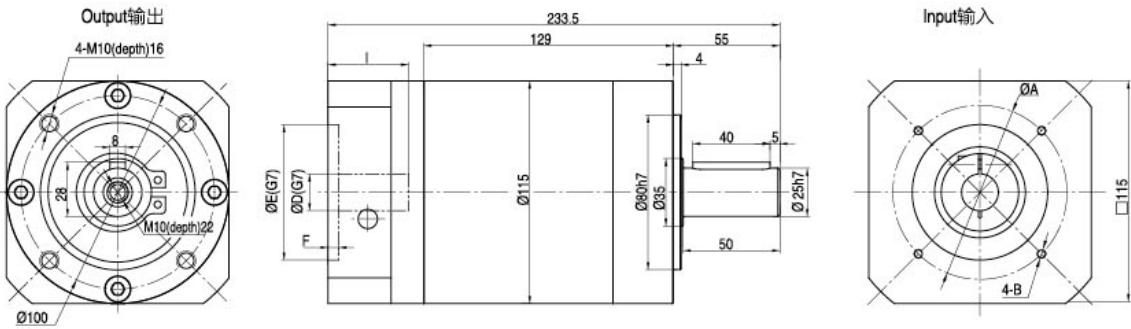
## ZDE/ZDF 750W DIMENSIONAL DRAWING &amp; PERFORMANCE TABLE

## ■ ZDE尺寸图 Dimensional Drawing

## ● 120ZDE40-750



## ● 120ZDE60-750



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位 Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	90	M5深(depth)12	80	19	70	5	40
T2	90	M6深(depth)15	80	19	70	5	40
T3	90	M6深(depth)15	80	19	70	5	40

● T1~3的详细情况请参照P.188

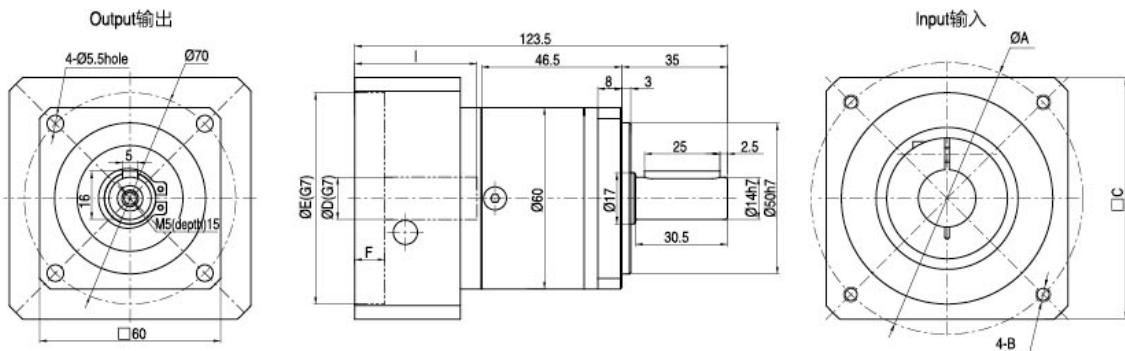
● For details of T1~3, see 188 page.

# ZDE/ZDF 750W 尺寸图与性能表

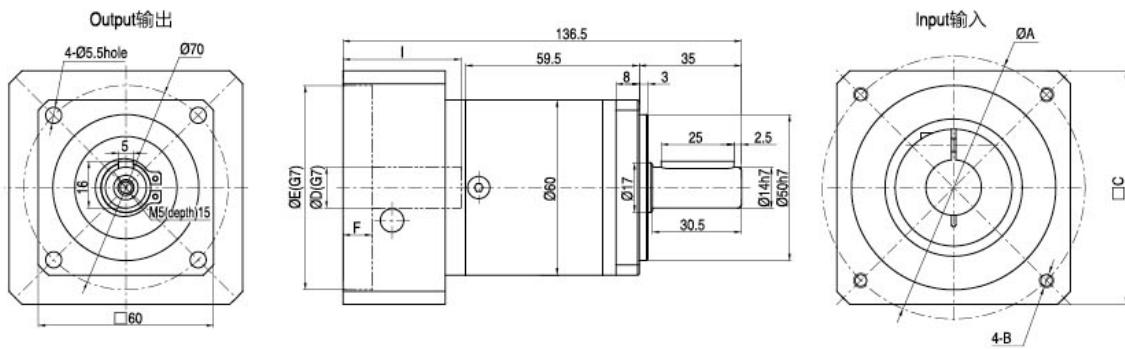
# ZDE/ZDF 750W DIMENSIONAL DRAWING & PERFORMANCE TABLE

## ■ ZDF尺寸图 Dimensional Drawing

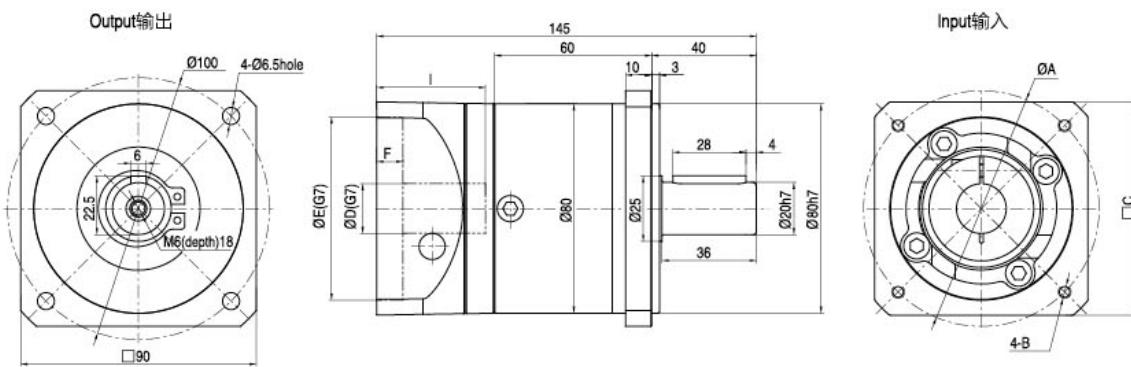
### ● 60ZDF3·4-750



### ● 60ZDF9-750



### ● 80ZDF5·8·10-750



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	90	M5深(depth)12	80	19	70	5	40
T2	90	M6深(depth)15	80	19	70	5	40
T3	90	M6深(depth)15	80	19	70	5	40

● T1~3的详细情况请参照P.188

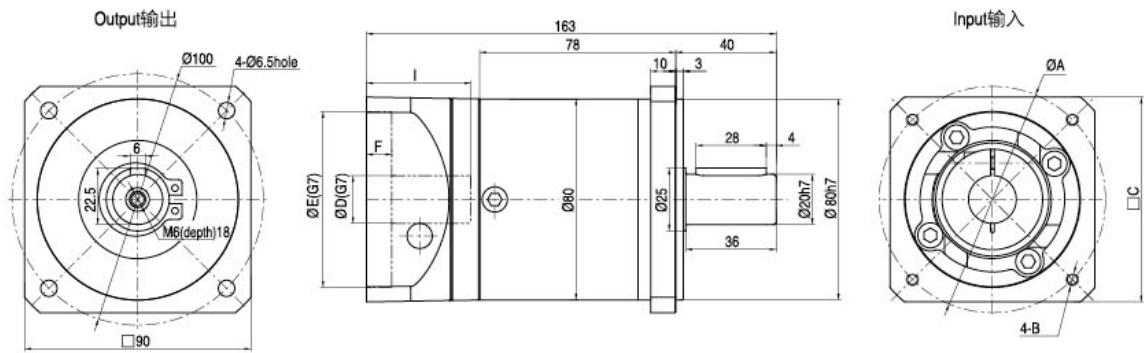
● For details of T1~3, see 188 page.

## ZDE/ZDF 750W 尺寸图与性能表

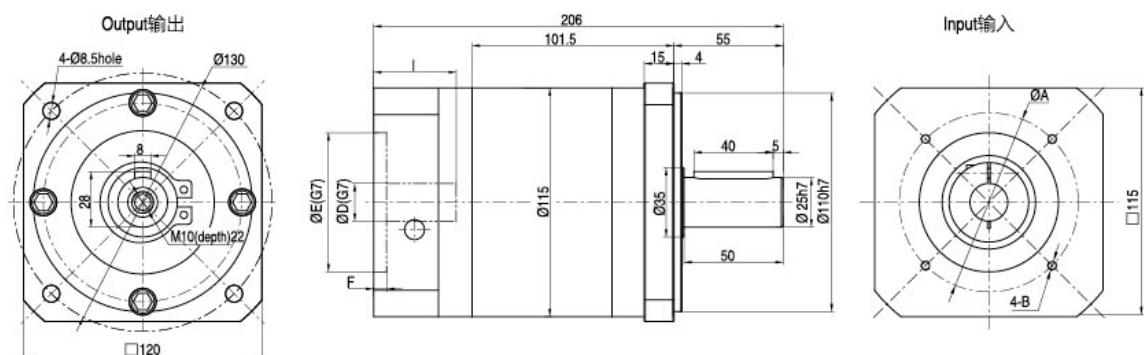
## ZDE/ZDF 750W DIMENSIONAL DRAWING &amp; PERFORMANCE TABLE

## ■ ZDF尺寸图 Dimensional Drawing

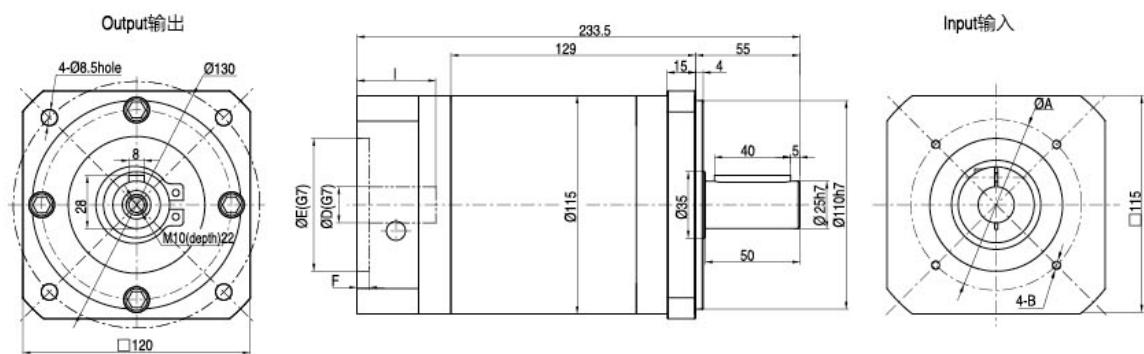
## ● 80ZDF12-15-16-20-25-32-750



## ● 120ZDF40-750



## ● 120ZDF60-750



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	90	M5深(depth)12	80	19	70	5	40
T2	90	M6深(depth)15	80	19	70	5	40
T3	90	M6深(depth)15	80	19	70	5	40

● T1~3的详细情况请参照P.188

● For details of T1~3, see 188 page.

# ZDE/ZDF 1000W 尺寸图与性能表

# ZDE/ZDF 1000W DIMENSIONAL DRAWING & PERFORMANCE TABLE

## ■ 性能表 Performance Table (输入转速为3,000rpm时 When input speed is 3000rpm)

额定输入 马达功率 Rated input motor	减速比 Reduction ratio	型号 Type			输出轴 转速 Output shaft speed	额定输出 扭矩 Standard output torque	瞬间最大 输出扭矩 Instantaneous max. output torque	容许径向 负荷 Permissible radial load	容许轴向 负荷 Permissible axial load	输入轴换算 内部惯性力矩 Internal moment of inertia of input shaft conversion	容许输出 扭矩 Permissible output torque	瞬间最大容 许输出扭矩 Instantaneous max. permissible output torque	
		机座号 Type no.	系列号 Model	减速比 Reduction ratio	马达功率 Motor								
1000W	1/3	80	ZD □	3	-1000	1000	9.16	27.48	900	450	0.77	40	80
	1/4	80	ZD □	4	-1000	750	12.22	36.66	900	450	0.52	50	100
	1/5	80	ZD □	5	-1000	600	15.27	45.81	900	450	0.45	50	100
	1/8	80	ZD □	8	-1000	375	24.43	73.29	900	450	0.39	45	90
	1/10	120	ZD □	10	-1000	300	30.53	91.59	2100	1050	1.14	80	160
	1/9	60	ZD □	9	-1000	333.3	26.91	80.00	450	225	0.131	40	80
	1/12	80	ZD □	12	-1000	250	35.88	107.64	900	450	0.5	100	200
	1/15	80	ZD □	15	-1000	200	44.85	134.54	900	450	0.44	100	200
	1/16	80	ZD □	16	-1000	187.5	47.84	143.51	900	450	0.5	120	240
	1/20	80	ZD □	20	-1000	150	59.79	179.38	900	450	0.44	120	240
	1/25	120	ZD □	25	-1000	120	74.74	224.22	2100	1050	1.49	230	460
	1/32	120	ZD □	32	-1000	93.75	95.66	286.99	2100	1050	1.3	260	520
	1/40	120	ZD □	40	-1000	75	119.58	358.73	2100	1050	1.3	230	460
	1/64	160	ZD □	64	-1000	46.875	191.32	573.96	6000	3000	4.5	450	900

注1) 安装基准系列 (马达适用表记载系列) 以外的马达时, 每次都要与我们联系。(法兰尺寸可能不同)

注2) 输入轴换算惯性力矩仅为减速机的数值, 不包括马达的惯性力矩。

注3) 最高输入转速为5000rpm。正常情况下请将转速控制在3000rpm以下。

注4) 容许径向负荷表示输出轴中央部位的值。

注5) 马达的安装顺序请参照P.190

注6) 输出轴旋转方向与马达输入旋转方向相同。

Note 1) In case of attachment to a motor beyond the standard models(motor matching series), contact us.(How to measure dimensions of the flange may be changed in some cases.)

Note 2) The moment of inertia of input shaft conversion is only gained from the reducer, so it does not include moment of inertia of the motor.

Note 3) The max. input speed is 5000rpm, and usually set to 3000rpm or less.

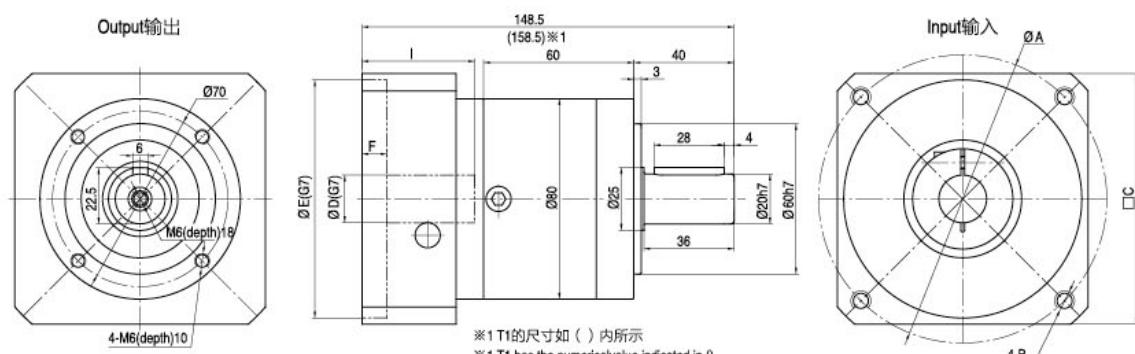
Note 4) The permissible radial load is indicated on the center of the output shaft.

Note 5) For motor assembly procedure, see 190 page.

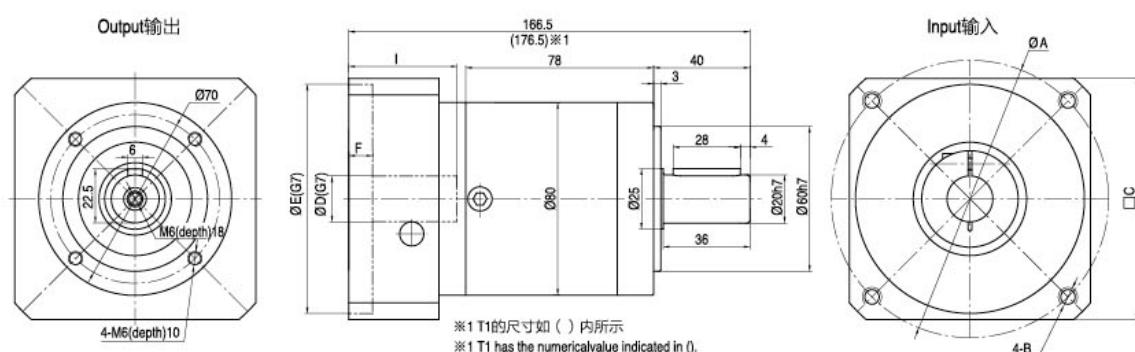
Note 6) Rotation of the output shaft is in the same direction as motor.

## ■ ZDE尺寸图 Dimensional Drawing

### ● 80ZDE3-4-5-8-1000



### ● 80ZDE9-12-15-16-20-1000

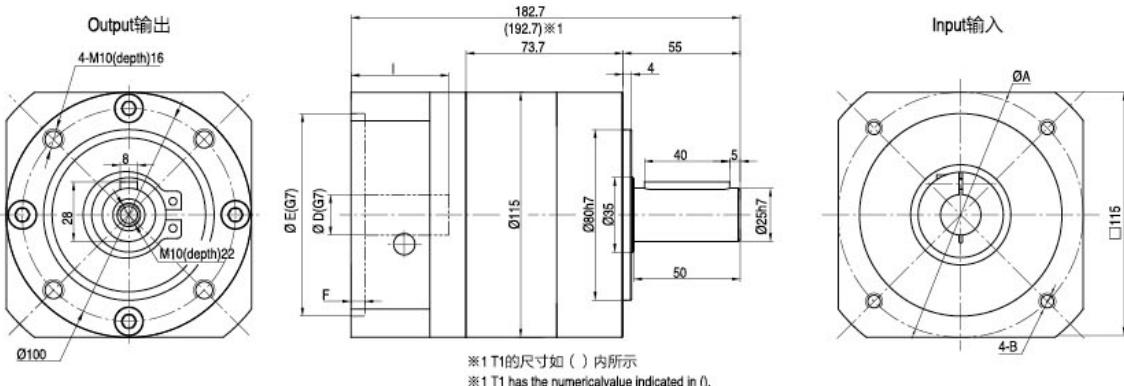


## ZDE/ZDF 1000W 尺寸图与性能表

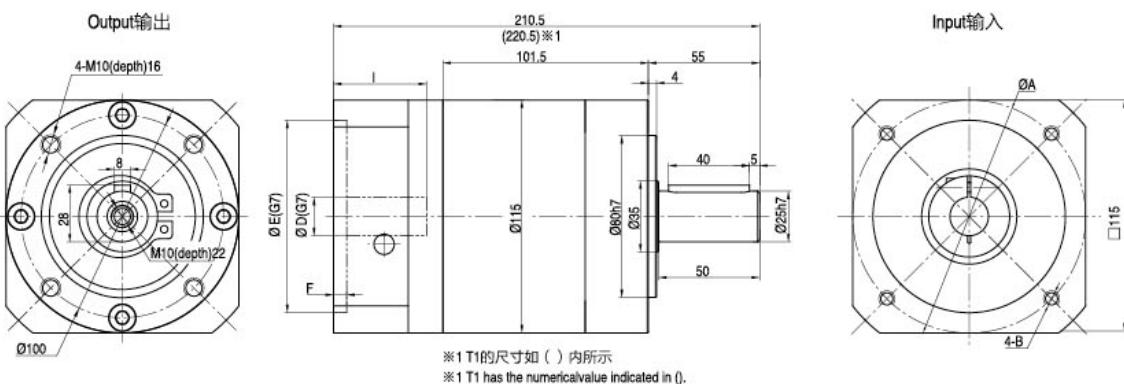
## ZDE/ZDF 1000W DIMENSIONAL DRAWING & PERFORMANCE TABLE

■ ZDE尺寸图 Dimensional Drawing

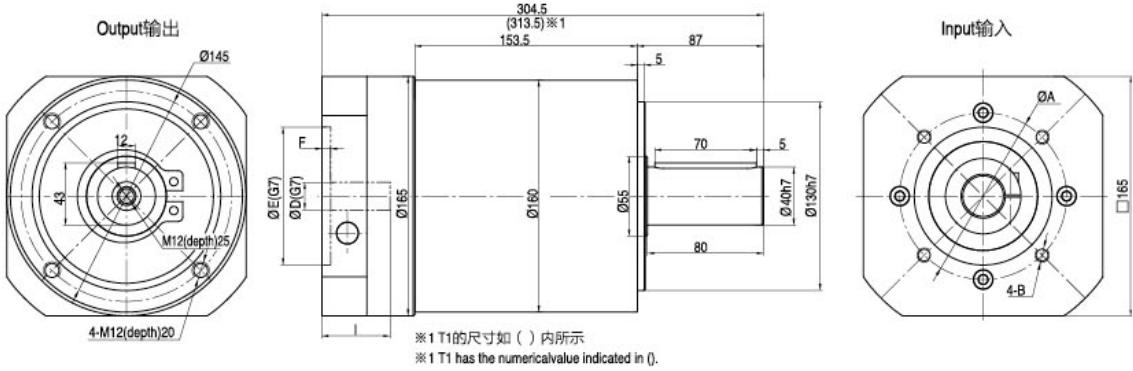
● 120ZDE10-1000



● 120ZDE25•32•40-1000



● 160ZDE64-1000



#### ■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位 Unit: mm)

马达种类	Motor type	A	B	C	D	E	F	I
T1		100	M6深(depth)15	86	19	80	5	55
T2		115	M6深(depth)15	100	24	95	5	45
T3		115	M6深(depth)15	100	24	95	5	45

● T1~3的详细情况请参照P.188

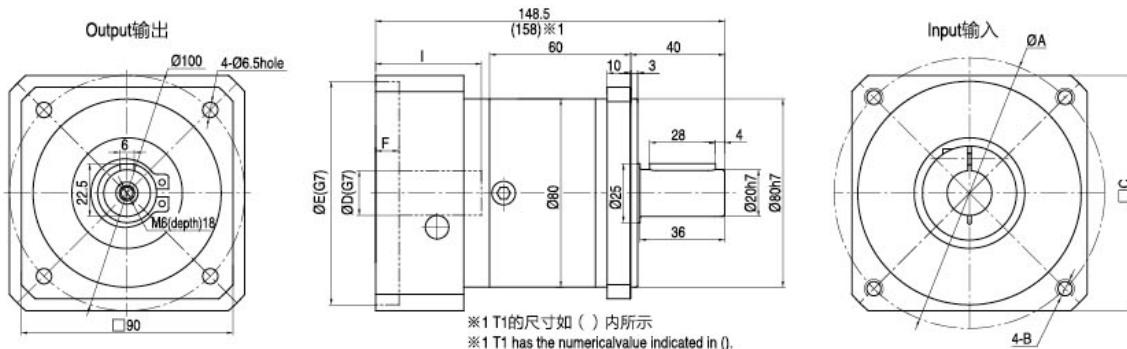
● For details of T1~3, see 188 page.

# ZDE/ZDF 1000W 尺寸图与性能表

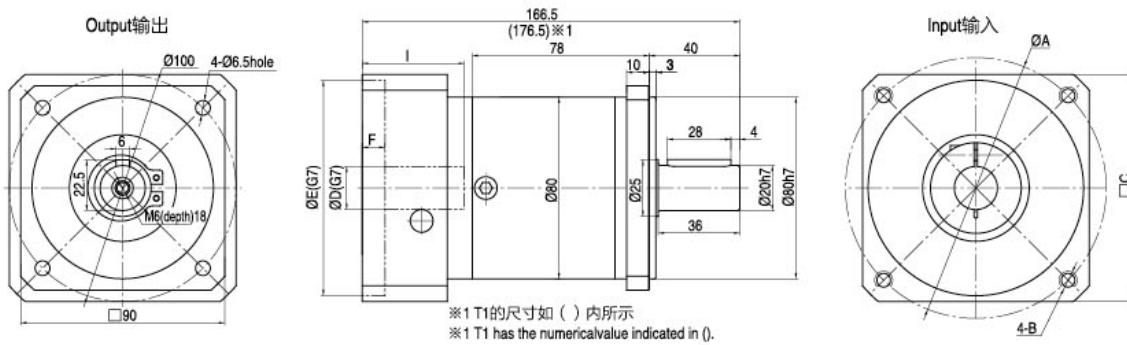
# ZDE/ZDF 1000W DIMENSIONAL DRAWING & PERFORMANCE TABLE

## ■ ZDF尺寸图 Dimensional Drawing

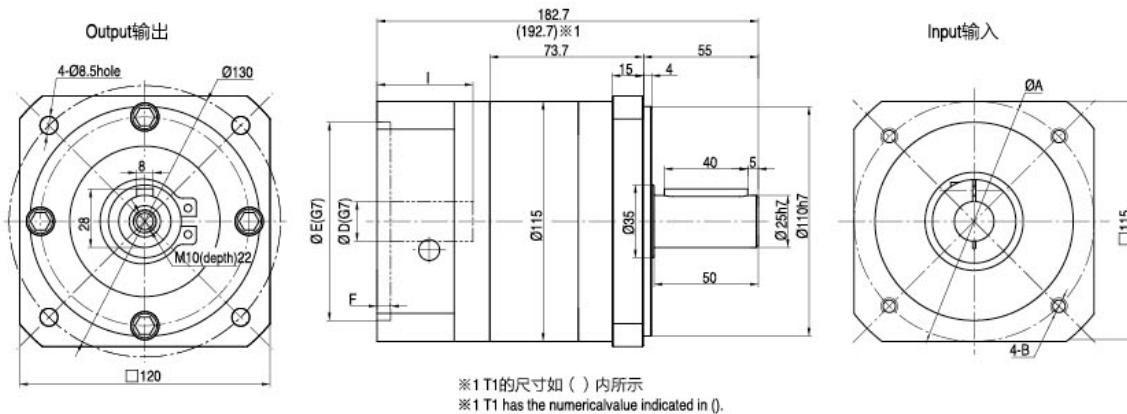
### ● 80ZDF3-4-5-8-1000



### ● 80ZDF9-12-15-16-20-1000



### ● 120ZDF10-1000



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	100	M6深(depth)15	86	19	80	5	55
T2	115	M6深(depth)15	100	24	95	5	45
T3	115	M6深(depth)15	100	24	95	5	45

● T1~3的详细情况请参照P.188

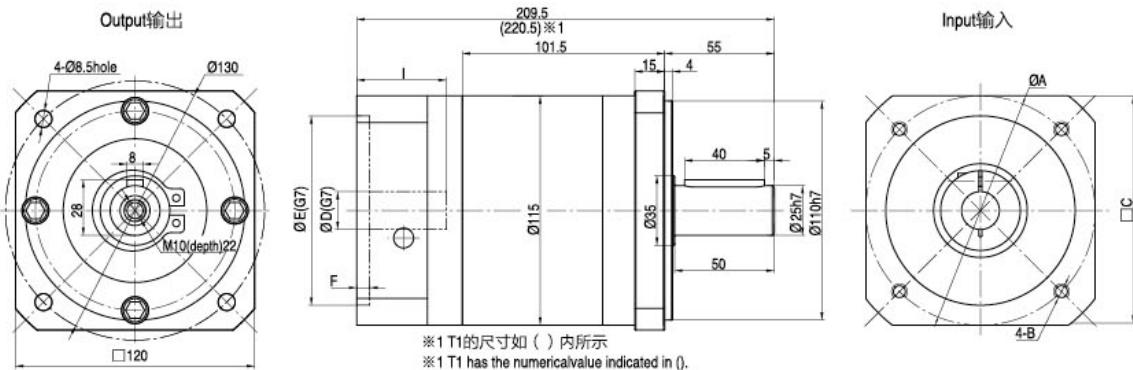
● For details of T1~3, see 188 page.

## ZDE/ZDF 1000W 尺寸图与性能表

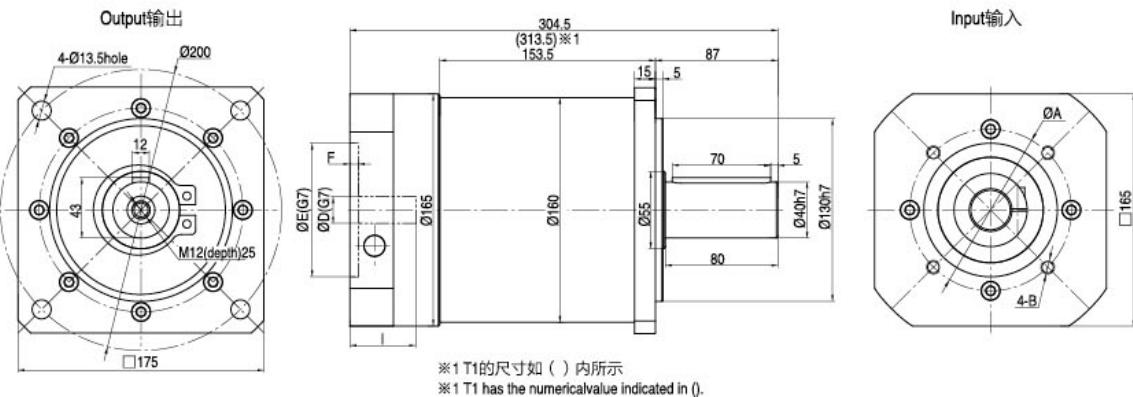
## ZDE/ZDF 1000W DIMENSIONAL DRAWING &amp; PERFORMANCE TABLE

## ■ ZDF尺寸图 Dimensional Drawing

## ● 120ZDF25-32-40-1000



## ● 160ZDF64-1000



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	100	M6深(depth)15	86	19	80	5	55
T2	115	M6深(depth)15	100	24	95	5	45
T3	115	M6深(depth)15	100	24	95	5	45

● T1~3的详细情况请参照P.188

● For details of T1~3, see 188 page.

## ZDE/ZDF 1500W 尺寸图与性能表

## ZDE/ZDF 1500W DIMENSIONAL DRAWING & PERFORMANCE TABLE

■ 性能表 Performance Table (输入转速为3,000rpm时 When input speed is 3000rpm)

额定输入 功率 Rated input motor	减速比 Reduction ratio	型号 Type			输出轴 转速 Output shaft speed	额定输出 扭矩 Standard output torque	瞬时最大 输出扭矩 Instantaneous max. output torque	容许径向 负荷 Permissible radial load	容许轴向 负荷 Permissible axial load	输入轴换算 内部惯性力矩 Internal moment of inertia of input shaft conversion	容许输出 扭矩 Permissible output torque	瞬时最大容 许输出扭矩 Instantaneous max. permissible output torque	
		机座号 Type no.	系列号 Model	减速比 Reduction ratio									
1500W	1/3	80	ZD □	3	-1500	1000	13.74	41.22	900	450	0.77	40	80
	1/4	80	ZD □	4	-1500	750	18.32	54.96	900	450	0.52	50	100
	1/5	80	ZD □	5	-1500	600	22.90	68.70	900	450	0.45	50	100
	1/8	120	ZD □	8	-1500	375	36.64	109.92	2100	1050	1.32	100	200
	1/10	120	ZD □	10	-1500	300	45.80	137.40	2100	1050	1.14	80	160
	1/9	80	ZD □	9	-1500	333.3	40.36	121.09	900	450	0.74	100	200
	1/12	80	ZD □	12	-1500	250	53.82	161.45	900	450	0.5	100	200
	1/15	80	ZD □	15	-1500	200	67.27	200.00	900	450	0.44	100	200
	1/16	80	ZD □	16	-1500	187.5	71.75	215.25	900	450	0.5	120	240
	1/20	120	ZD □	20	-1500	150	89.69	269.06	2100	1050	1.49	260	520
	1/25	120	ZD □	25	-1500	120	112.11	336.32	2100	1050	1.49	230	460
	1/32	120	ZD □	32	-1500	93.75	143.49	430.47	2100	1050	1.3	260	520
	1/40	160	ZD □	40	-1500	75	179.36	538.09	6000	3000	4.5	700	1400
	1/64	160	ZD □	64	-1500	46.875	286.97	860.92	6000	3000	4.5	450	900

**注1) 安装基准系列(马达适用表记载系列)以外的马达时,每次都要与我们联系。(法兰尺寸可能不同)**

注2) 输入轴换算惯性力矩仅为减速机的数值，不包括马达的惯性力矩。

注3) 最高输入转速为5000rpm。正常情况下请转速控制在3000rpm以下。

注4) 容许径向负荷表示输出轴中央部位的值。

注4) 各元件向负荷表示输出轴上  
注5) 马达的安装顺序请参照P.190

注6) 输出轴旋转方向与马达输入旋转方向相同。

Note 1) In case of attachment to a motor beyond the standard models(motor matching series), contact us.(How to measure dimensions of the flange may be changed in some cases.)

Note 2) The moment of inertia of input shaft conversion is only gained from the reducer, so it does not include moment of inertia of the motor.

Note 3) The max. input speed is 5000rpm, and usually set to 3000rpm or less.

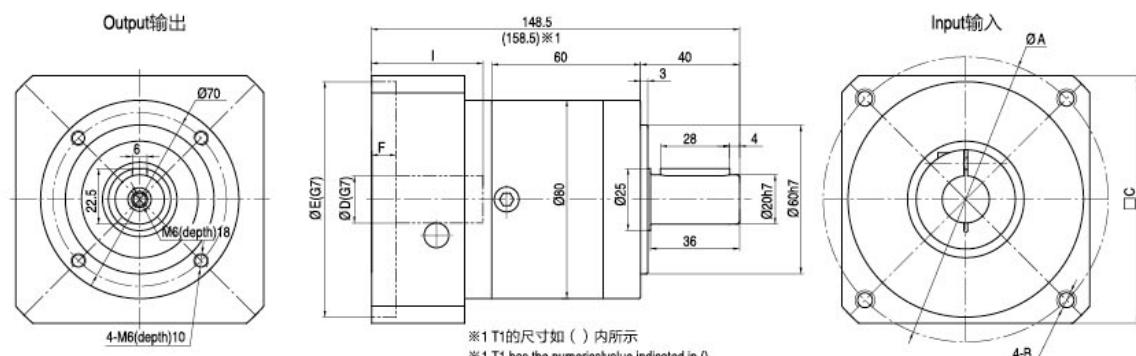
Note 4) The permissible radial load is indicated on the center of the output shaft.

Note 5) For motor assembly procedure, see 190 page.

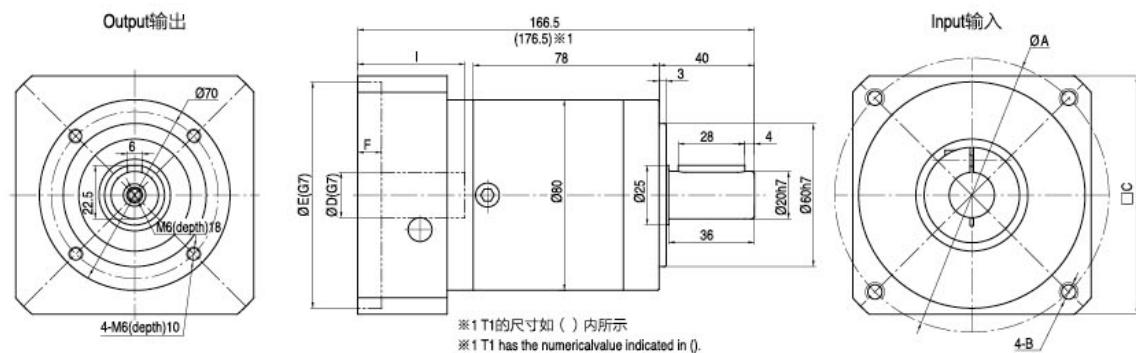
Note 6) Rotation of the output shaft is in the same direction as motor.

■ ZDE尺寸圖 Dimensional Drawing

● 80ZDE3-4-5-1500



● 80ZDE9•12•15•16-1500

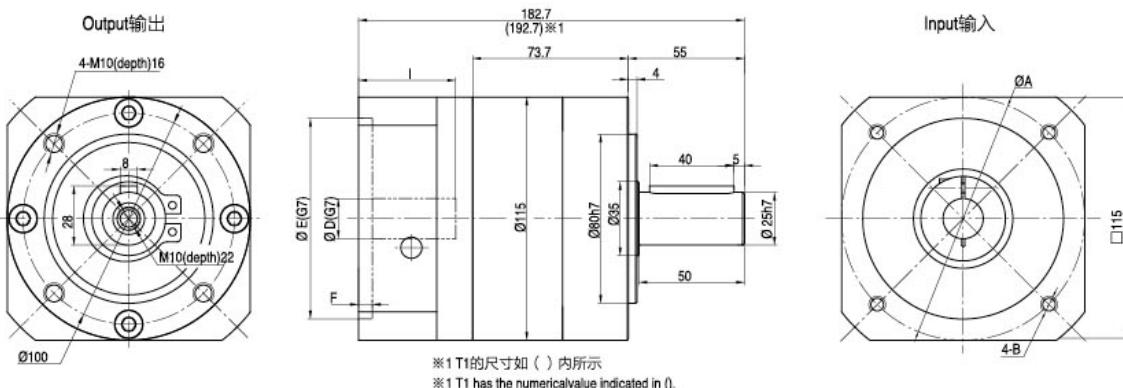


## ZDE/ZDF 1500W 尺寸图与性能表

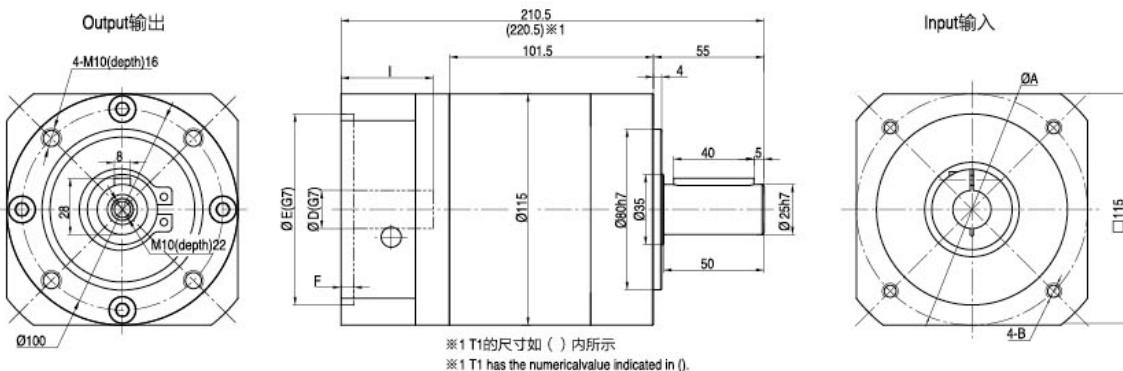
## ZDE/ZDF 1500W DIMENSIONAL DRAWING &amp; PERFORMANCE TABLE

## ■ ZDE尺寸图 Dimensional Drawing

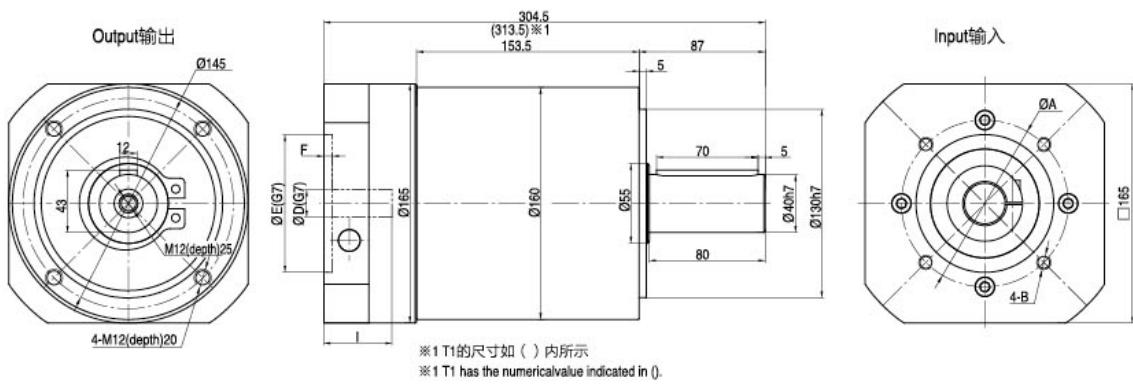
## ● 120ZDE8-10-1500



## ● 120ZDE20-25-32-1500



## ● 160ZDE40-64-1500



## ■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	115	M8深(depth)20	100	19	95	5	55
T2	115	M6深(depth)15	100	24	95	5	45
T3	115	M8深(depth)20	100	24	95	5	45

●T1~3的详细情况请参照P.188

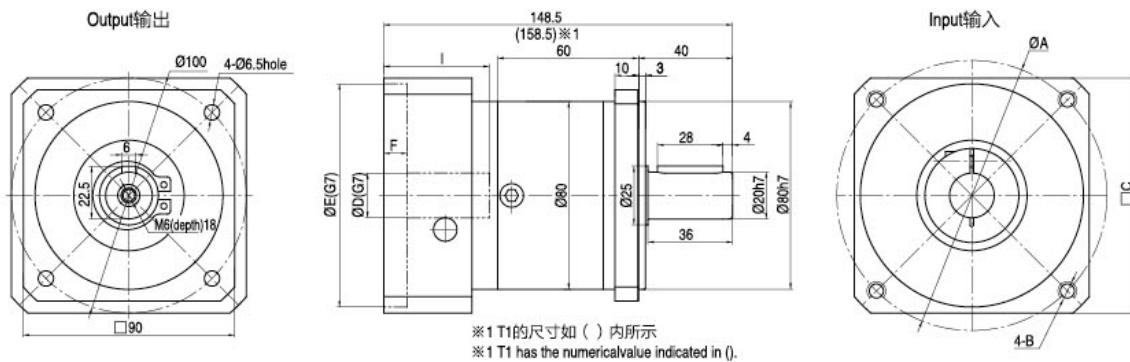
●For details of T1~3, see 188 page.

# ZDE/ZDF 1500W 尺寸图与性能表

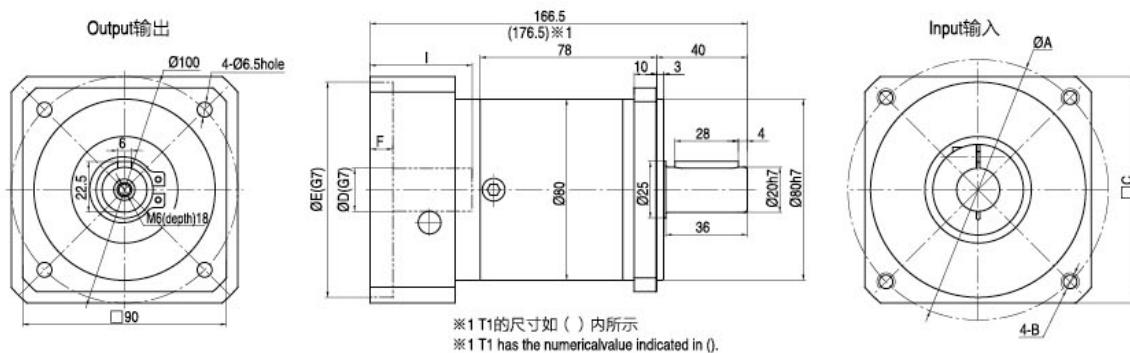
# ZDE/ZDF 1500W DIMENSIONAL DRAWING & PERFORMANCE TABLE

## ■ ZDF尺寸图 Dimensional Drawing

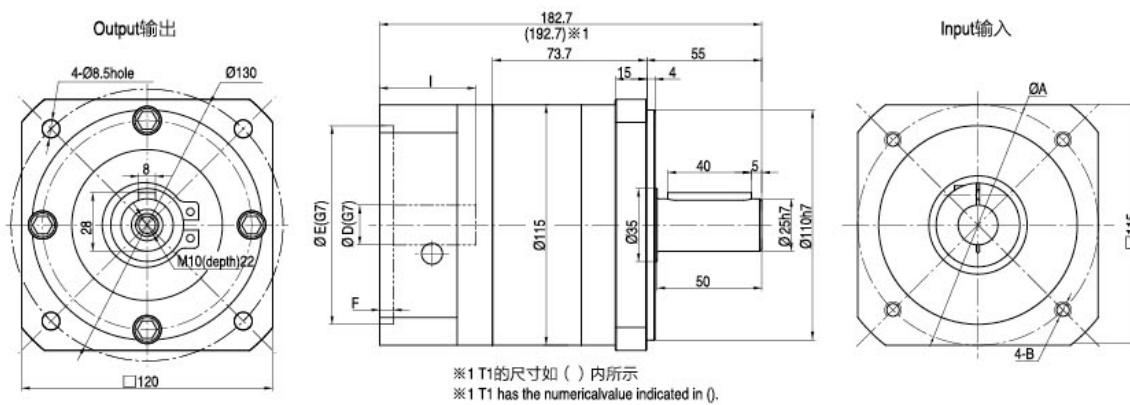
### ● 80ZDF3•4•5•1500



### ● 80ZDF9•12•15•16•1500



### ● 120ZDF8•10•1500



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	115	M8深(depth)20	100	19	95	5	55
T2	115	M6深(depth)15	100	24	95	5	45
T3	115	M8深(depth)20	100	24	95	5	45

● T1~3的详细情况请参照P.188

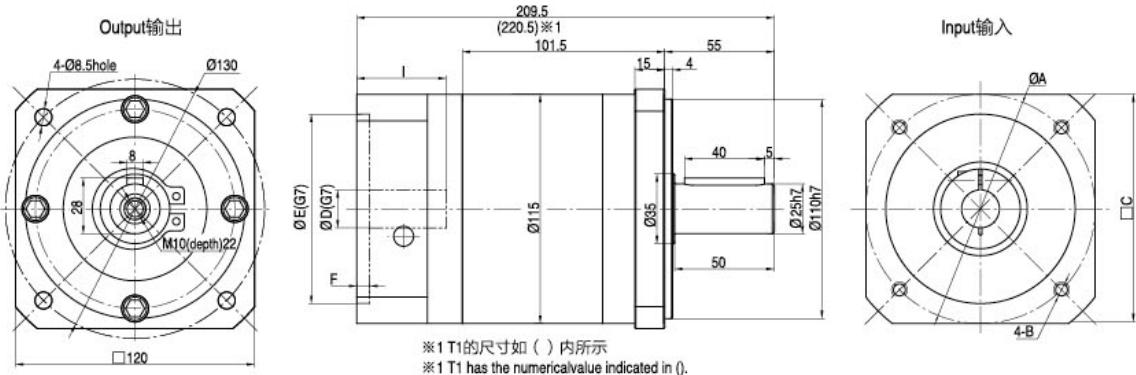
● For details of T1~3, see 188 page.

ZDE/ZDF 1500W 尺寸图与性能表

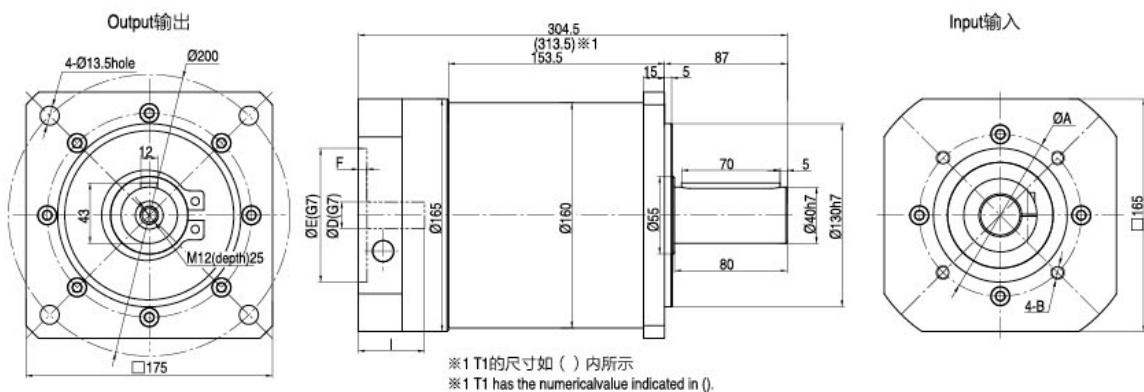
## ZDE/ZDF 1500W DIMENSIONAL DRAWING & PERFORMANCE TABLE

■ ZDF尺寸图 Dimensional Drawing

● 120ZDF20•25•32-1500



● 160ZDF40-64-1500



#### ■法兰部位详细尺寸表Detailed flange dimensions table (单位Unit: mm)

马达种类Motor type	A	B	C	D	E	F	I
T1	115	M8深(depth)20	100	19	95	5	55
T2	115	M6深(depth)15	100	24	95	5	45
T3	115	M8深(depth)20	100	24	95	5	45

●T1~3的详细情况请参照P.188

● For details of T1~3, see 188 page.

# ZDE/ZDF 2000W 尺寸图与性能表

## ZDE/ZDF 2000W DIMENSIONAL DRAWING & PERFORMANCE TABLE

### ■ 性能表 Performance Table (输入转速为3,000rpm时 When input speed is 3000rpm)

额定输入 马达功率 Rated input motor	减速比 Reduction ratio	型号 Type			输出轴 转速 Output shaft speed (rpm)	额定输出 扭矩 Standard output torque (N·m)	瞬间最大 输出扭矩 Instantaneous max. output torque (N·m)	容许径向 负荷 Permissible radial load (N)	容许轴向 负荷 Permissible axial load (N)	输入轴换算 内部惯性力矩 Internal moment of inertia of input shaft conversion (x10 <sup>-4</sup> kg·m <sup>2</sup> )	容许输出 扭矩 Permissible output torque (N·m)	瞬间最大容 许输出扭矩 Instantaneous max. permissible output torque (N·m)	
		机座号 Type no.	系列号 Model	减速比 Reduction ratio									
		马达功率 Motor (W)											
2000W	1/3	80	ZD □	3	-2000	1000	18.35	55.05	900	450	0.77	40	80
	1/4	80	ZD □	4	-2000	750	24.47	73.41	900	450	0.52	50	100
	1/5	80	ZD □	5	-2000	600	30.58	91.74	900	450	0.45	50	100
	1/8	120	ZD □	8	-2000	375	48.93	146.79	2100	1050	1.32	100	200
	1/10	160	ZD □	10	-2000	300	61.16	183.48	6000	3000	3.52	305	610
	1/9	80	ZD □	9	-2000	333.3	53.90	161.70	900	450	0.74	100	200
	1/12	120	ZD □	12	-2000	250	71.86	215.59	2100	1050	1.5	210	420
	1/15	120	ZD □	15	-2000	200	89.83	269.48	2100	1050	1.49	210	420
	1/16	120	ZD □	16	-2000	187.5	95.81	287.44	2100	1050	1.5	260	520
	1/20	120	ZD □	20	-2000	150	119.77	359.30	2100	1050	1.49	260	520
	1/25	120	ZD □	25	-2000	120	149.71	449.12	2100	1050	1.49	230	460
	1/32	160	ZD □	32	-2000	93.75	191.62	574.86	6000	3000	4.5	700	1400
	1/40	160	ZD □	40	-2000	75	239.52	718.57	6000	3000	4.5	700	1400

注1) 安装基准系列 (马达适用表记载系列) 以外的马达时, 每次都要与我们联系。(法兰尺寸可能不同)

注2) 输入轴换算惯性力矩仅为减速机的数值, 不包括马达的惯性力矩。

注3) 最高输入转速为5000rpm。正常情况下请转速控制在3000rpm以下。

注4) 容许径向负荷表示输出轴中央部位的值。

注5) 马达的安装顺序请参照P.190

注6) 输出轴旋转方向与马达输入旋转方向相同。

Note 1) In case of attachment to a motor beyond the standard models(motor matching series), contact us.(How to measure dimensions of the flange may be changed in some cases.)

Note 2) The moment of inertia of input shaft conversion is only gained from the reducer, so it does not include moment of inertia of the motor.

Note 3) The max. input speed is 5000rpm, and usually set to 3000rpm or less.

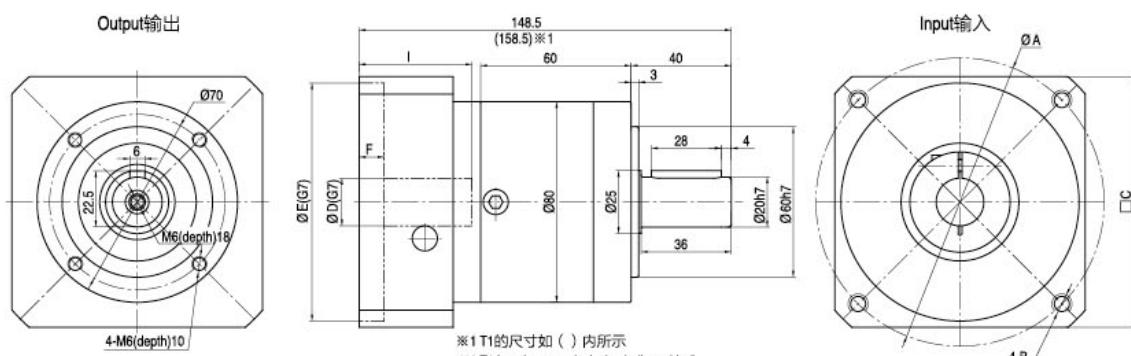
Note 4) The permissible radial load is indicated on the center of the output shaft.

Note 5) For motor assembly procedure, see 190 page.

Note 6) Rotation of the output shaft is in the same direction as motor.

### ■ ZDE尺寸图 Dimensional Drawing

#### ● 80ZDE3-4-5-2000



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	115	M8深(depth)20	100	19	95	5	55
T2	115	M6深(depth)15	100	24	95	5	45
T3	115	M8深(depth)20	100	24	95	5	45

● T1~3的详细情况请参照P.188

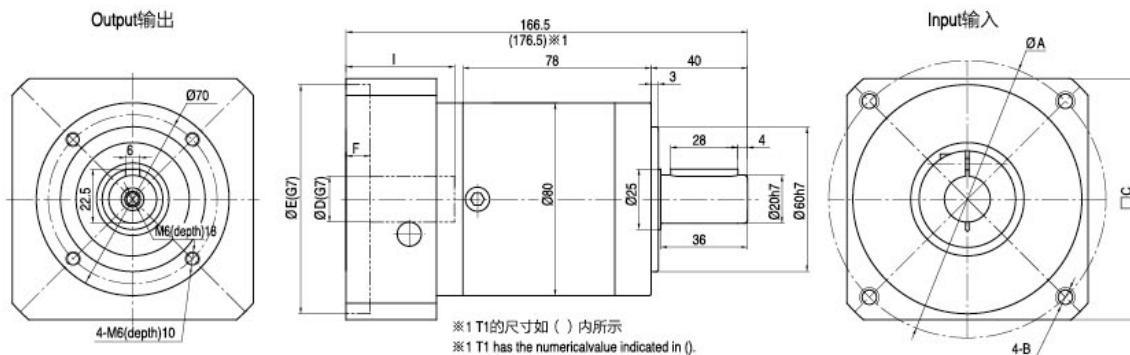
● For details of T1~3, see 188 page.

## ZDE/ZDF 2000W 尺寸图与性能表

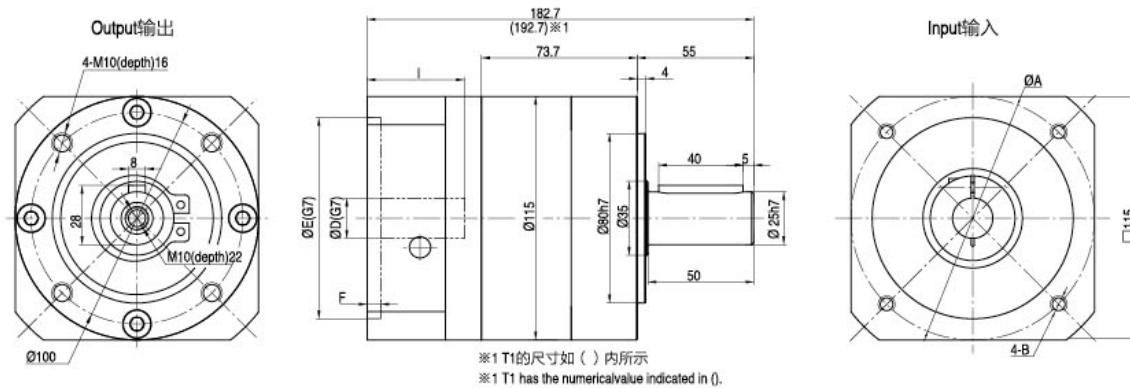
## ZDE/ZDF 2000W DIMENSIONAL DRAWING & PERFORMANCE TABLE

■ ZDE尺寸图 Dimensional Drawing

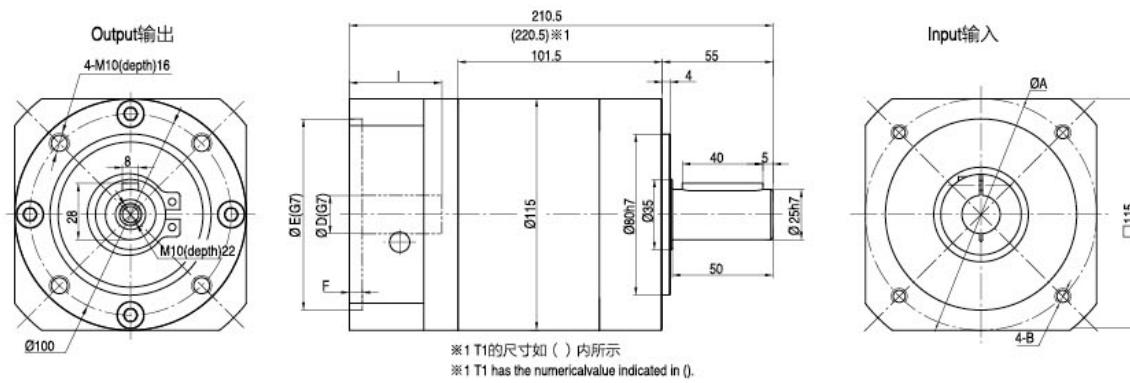
● 80ZDE9-2000



● 120ZDE8-2000



**● 120ZDE12-15-16-20-25-2000**



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位 Unit: mm)

马达种类Motor type	A	B	C	D	E	F	I
T1	115	M8深(depth)20	100	19	95	5	55
T2	115	M6深(depth)15	100	24	95	5	45
T3	115	M8深(depth)20	100	24	95	5	45

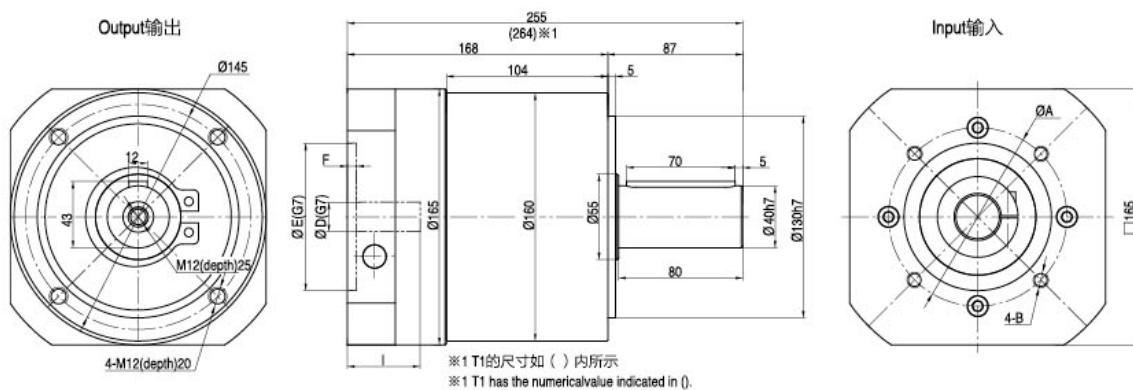
- T1~3的详细情况请参照P.188
- For details of T1~3, see 188 page

## ZDE/ZDF 2000W 尺寸图与性能表

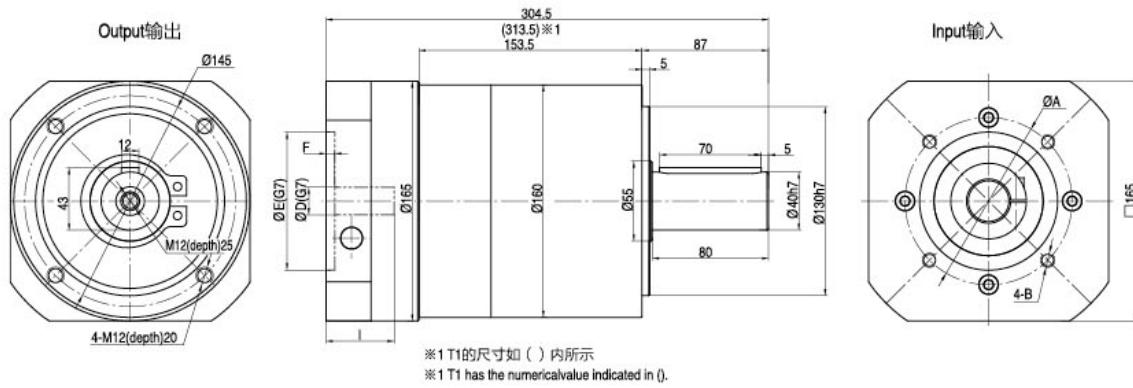
## ZDE/ZDF 2000W DIMENSIONAL DRAWING & PERFORMANCE TABLE

## ■ ZDE尺寸图 Dimensional Drawing

**160ZDE10-2000**



● 160ZDE32-40-2000



#### ■法兰部位详细尺寸表Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	115	M8深(depth)20	100	19	95	5	55
T2	115	M6深(depth)15	100	24	95	5	45
T3	115	M8深(depth)20	100	24	95	5	45

●T1~3的详细情况请参照P.188

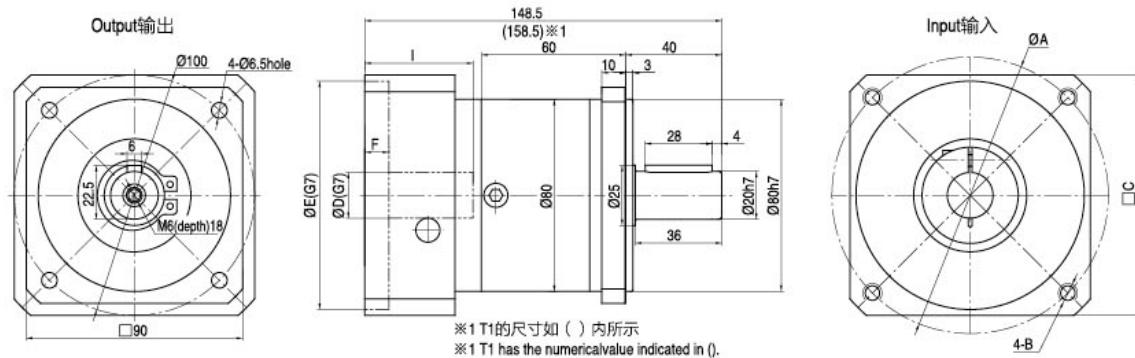
● For details of T1~3, see 188 page

## ZDE/ZDF 2000W 尺寸图与性能表

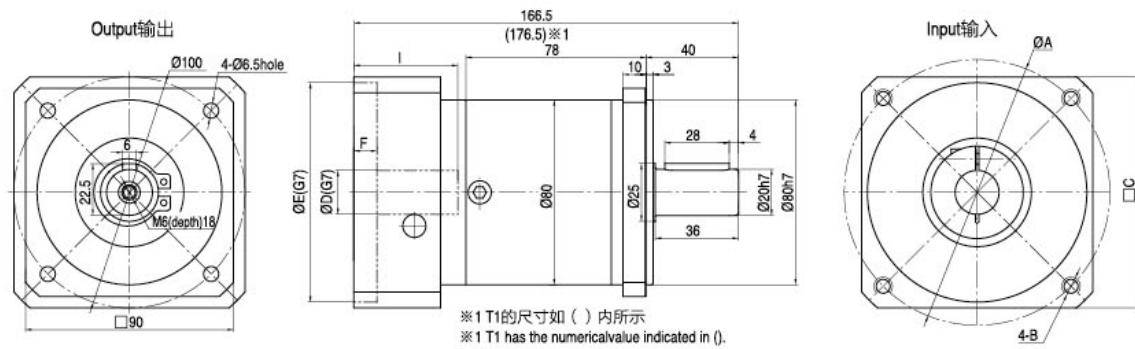
## ZDE/ZDF 2000W DIMENSIONAL DRAWING &amp; PERFORMANCE TABLE

## ■ ZDF尺寸图 Dimensional Drawing

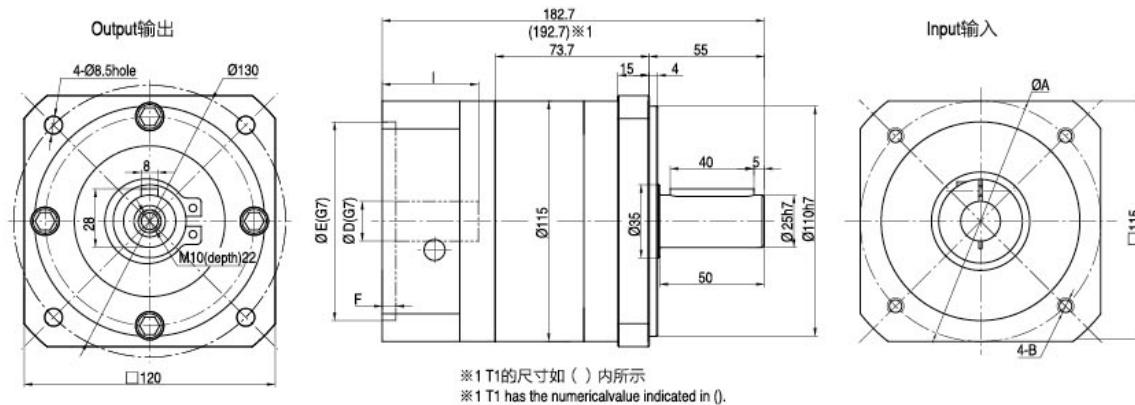
## ● 80ZDF3-4-5-2000



## ● 80ZDF9-2000



## ● 120ZDF8-2000



## ■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	115	M8深(depth)20	100	19	95	5	55
T2	115	M6深(depth)15	100	24	95	5	45
T3	115	M8深(depth)20	100	24	95	5	45

● T1~3的详细情况请参照P.188

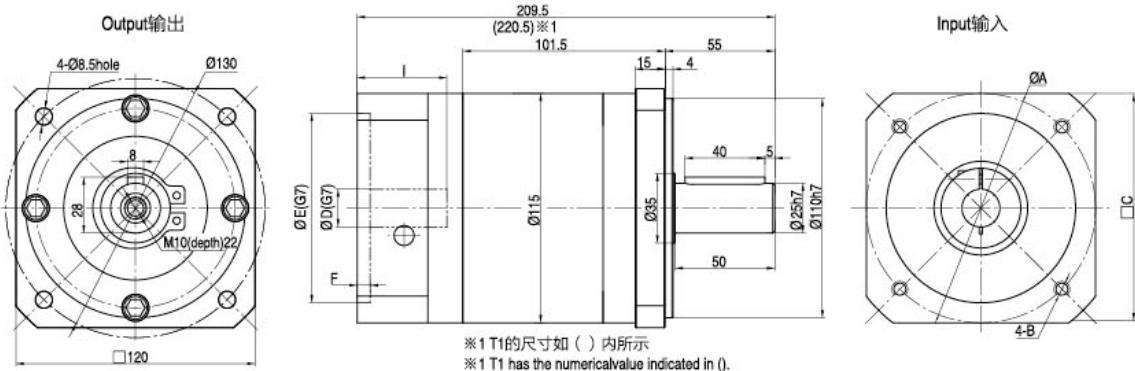
● For details of T1~3, see 188 page.

## ZDE/ZDF 2000W 尺寸图与性能表

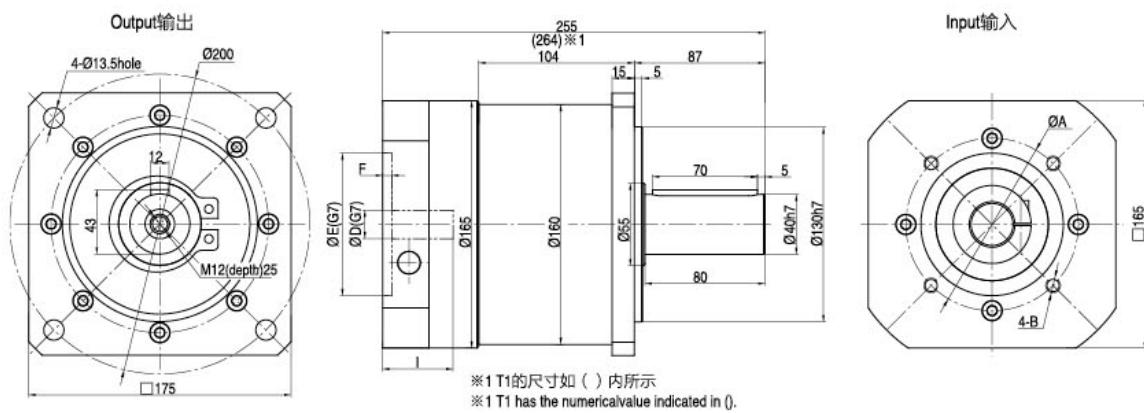
## ZDE/ZDF 2000W DIMENSIONAL DRAWING & PERFORMANCE TABLE

#### ■ ZDF尺寸图 Dimensional Drawing

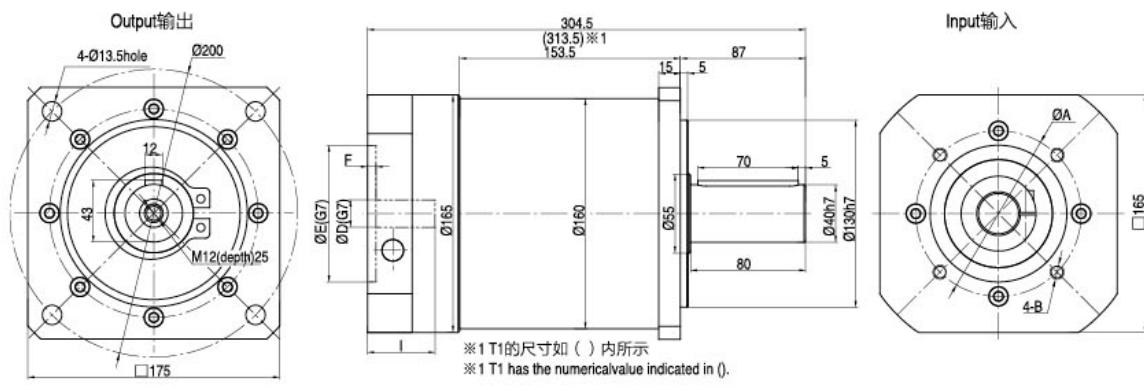
● 120ZDF12•15•16•20•25-2000



● 160ZDF10-2000



● 160ZDF32-40-2000



#### ■法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类Motor type	A	B	C	D	E	F	I
T1	115	M8深(depth)20	100	19	95	5	55
T2	115	M6深(depth)15	100	24	95	5	45
T3	115	M8深(depth)20	100	24	95	5	45

●T1~3的详细情况请参照P.188

● For details of T1~3, see 188 page.

## ZDE/ZDF 2500W 尺寸图与性能表

## ZDE/ZDF 2500W DIMENSIONAL DRAWING &amp; PERFORMANCE TABLE

## ■ 性能表 Performance Table (输入转速为3,000rpm时 When input speed is 3000rpm)

额定输入 马达功率 Rated input motor	减速比 Reduction ratio	型号 Type			输出轴 转速 Output shaft speed	额定输出 扭矩 Standard output torque	瞬间最大 输出扭矩 Instantaneous max. output torque	容许径向 负荷 Permissible radial load	容许轴向 负荷 Permissible axial load	输入轴换算 内部惯性力矩 Internal moment of inertia of input shaft conversion	容许输出 扭矩 Permissible output torque	瞬间最大容 许输出扭矩 Instantaneous max. permissible output torque	
		机座号 Type no.	系列号 Model	减速比 Reduction ratio									
2500W	1/3	80	ZD □	3	-2500	1000	22.93	68.79	900	450	0.77	40	80
	1/4	80	ZD □	4	-2500	750	30.57	91.71	900	450	0.52	50	100
	1/5	120	ZD □	5	-2500	600	38.21	114.63	2100	1050	1.53	110	220
	1/8	120	ZD □	8	-2500	375	61.14	183.42	2100	1050	1.32	100	200
	1/10	160	ZD □	10	-2500	300	76.42	229.26	6000	3000	3.52	305	610
	1/9	80	ZD □	9	-2500	333.3	67.35	200.00	900	450	0.74	100	200
	1/12	120	ZD □	12	-2500	250	89.80	269.40	2100	1050	1.5	210	420
	1/15	120	ZD □	15	-2500	200	112.25	336.74	2100	1050	1.49	210	420
	1/16	120	ZD □	16	-2500	187.5	119.73	359.19	2100	1050	1.5	260	520
	1/20	120	ZD □	20	-2500	150	149.66	448.97	2100	1050	1.49	260	520
	1/25	160	ZD □	25	-2500	120	187.07	561.21	6000	3000	6.65	700	1400
	1/32	160	ZD □	32	-2500	93.75	239.45	718.34	6000	3000	4.5	700	1400
	1/40	160	ZD □	40	-2500	75	299.31	897.92	6000	3000	4.5	700	1400

注1) 安装基准系列(马达适用表记载系列)以外的马达时, 每次都要与我们联系。(法兰尺寸可能不同)

注2) 输入轴换算惯性力矩仅为减速机的数值, 不包括马达的惯性力矩。

注3) 最高输入转速为5000rpm。正常情况下请将转速控制在3000rpm以下。

注4) 容许径向负荷表示输出轴中央部位的值。

注5) 马达的安装顺序请参照P.190

注6) 输出轴旋转方向与马达输入旋转方向相同。

Note 1) In case of attachment to a motor beyond the standard models(motor matching series), contact us.(How to measure dimensions of the flange may be changed in some cases.)

Note 2) The moment of inertia of input shaft conversion is only gained from the reducer, so it does not include moment of inertia of the motor.

Note 3) The max. input speed is 5000rpm, and usually set to 3000rpm or less.

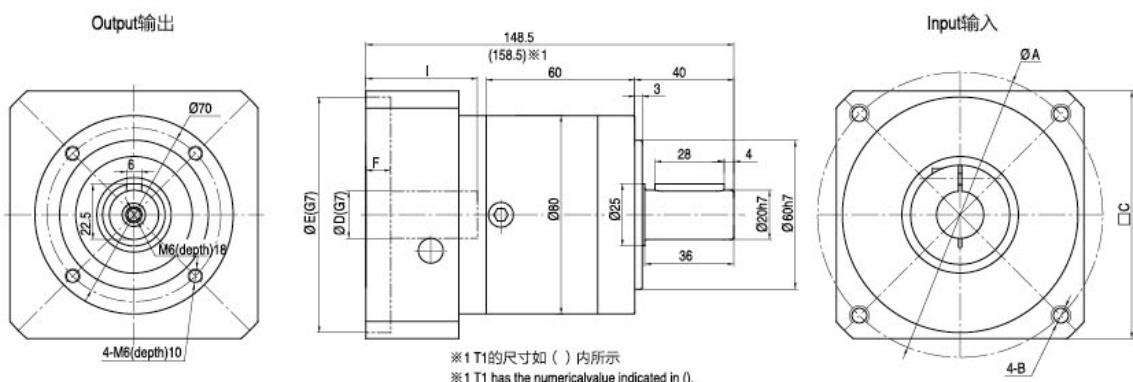
Note 4) The permissible radial load is indicated on the center of the output shaft.

Note 5) For motor assembly procedure, see 190 page.

Note 6) Rotation of the output shaft is in the same direction as motor.

## ■ ZDE尺寸图 Dimensional Drawing

## ● 80ZDE3-4-2500



## ■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	115	M8深(depth)20	100	19	95	5	55
T2	115	M6深(depth)15	100	24	95	5	45
T3	-	-	-	-	-	-	-

● T1~3的详细情况请参照P.188

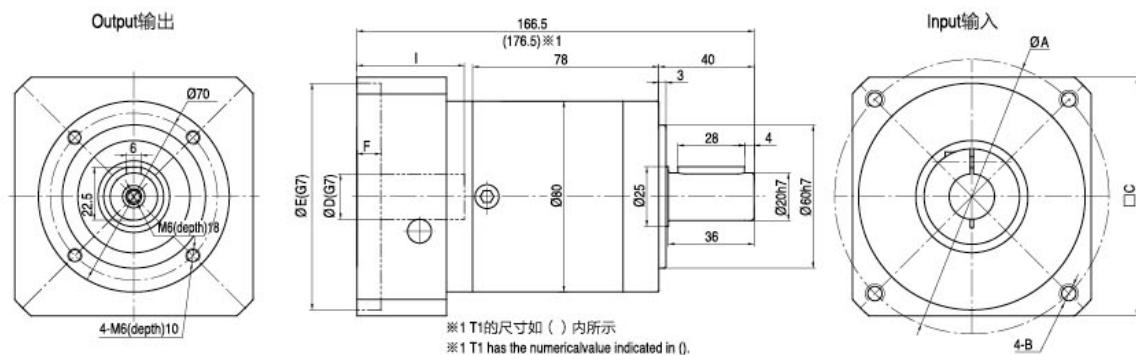
● For details of T1~3, see 188 page.

# ZDE/ZDF 2500W 尺寸图与性能表

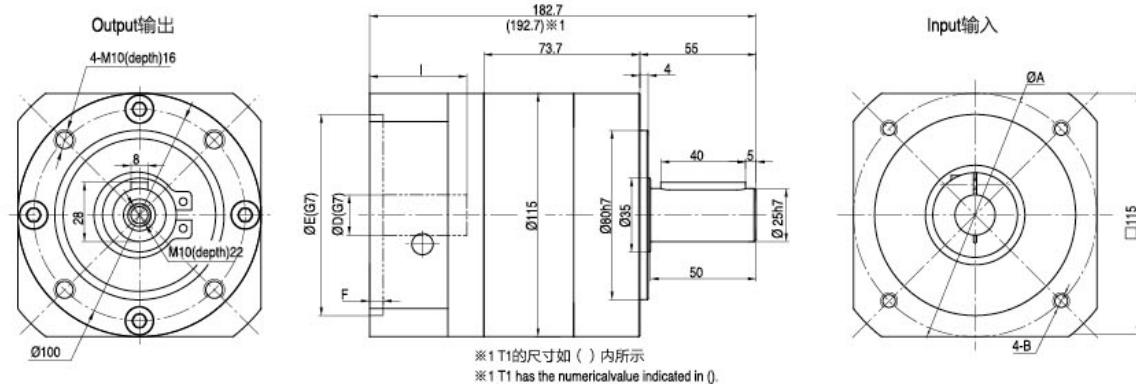
# ZDE/ZDF 2500W DIMENSIONAL DRAWING & PERFORMANCE TABLE

## ■ ZDE尺寸图 Dimensional Drawing

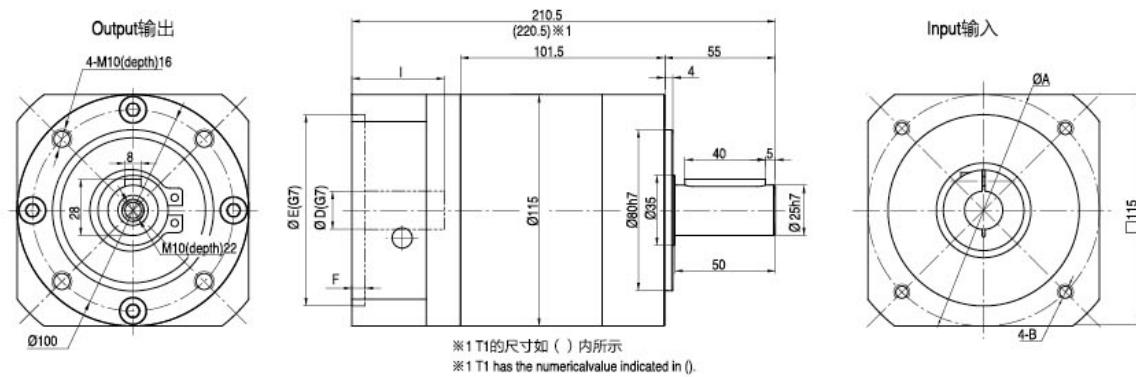
### ● 80ZDE9-2500



### ● 120ZDE5-8-2500



### ● 120ZDE12-15-16-20-2500



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	115	M8深(depth)20	100	19	95	5	55
T2	115	M6深(depth)15	100	24	95	5	45
T3	-	-	-	-	-	-	-

● T1~3的详细情况请参照P.188

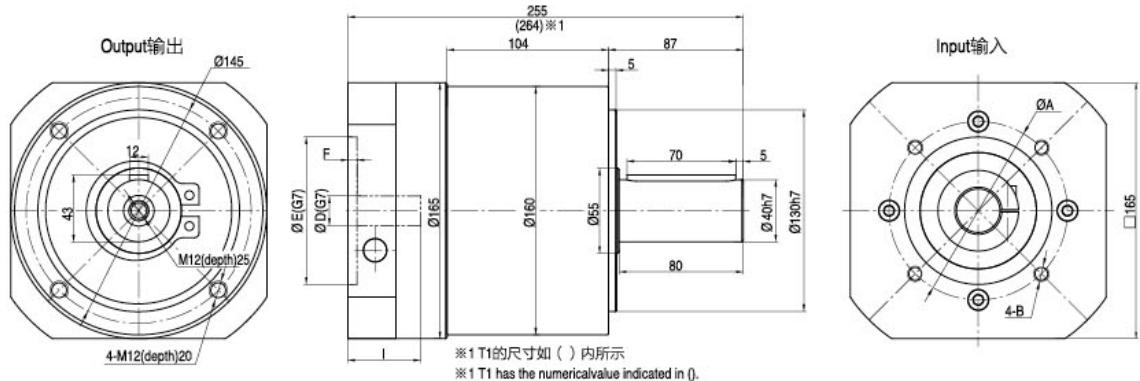
● For details of T1~3, see 188 page.

## ZDE/ZDF 2500W 尺寸图与性能表

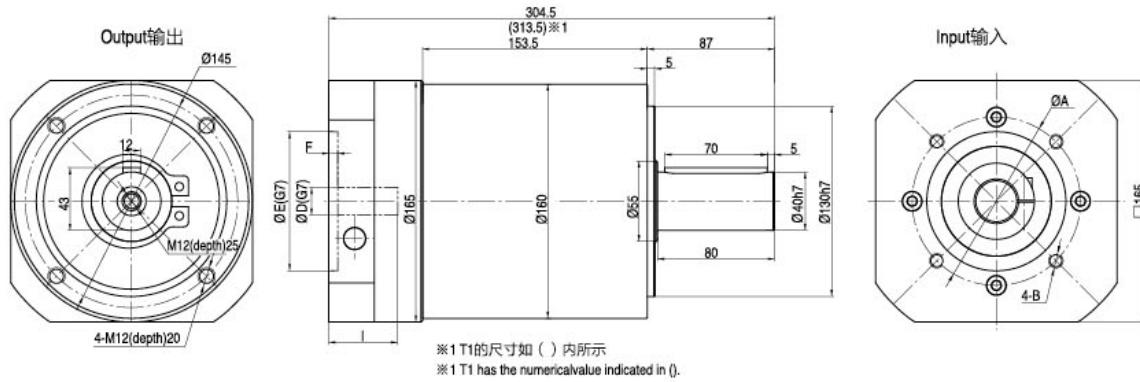
## ZDE/ZDF 2500W DIMENSIONAL DRAWING & PERFORMANCE TABLE

## ■ ZDE尺寸图 Dimensional Drawing

● 160ZDE10-2500



● 160ZDE25•32•40-2500



#### ■法兰部位详细尺寸表Detailed flange dimensions table (单位Unit: mm)

马达种类Motor type	A	B	C	D	E	F	I
T1	115	M8深(depth)20	100	19	95	5	55
T2	115	M6深(depth)15	100	24	95	5	45
T3	-	-	-	-	-	-	-

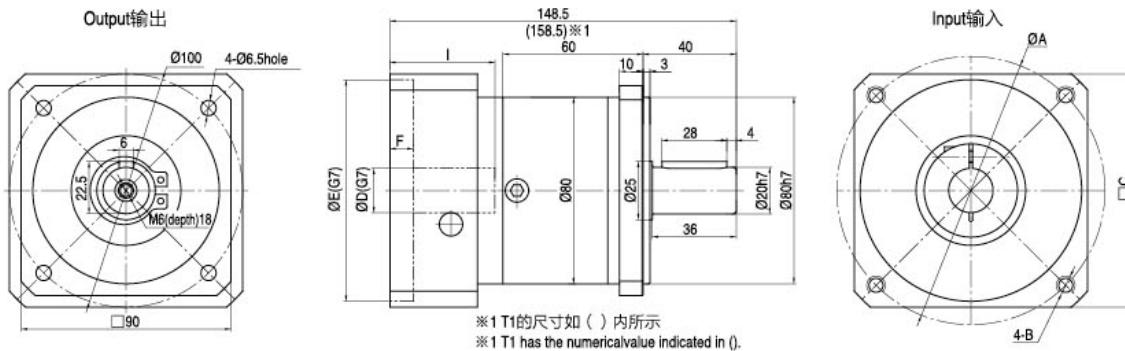
●T1~3的详细情况请参照P.188  
●For details of T1~3, see 188 page

# ZDE/ZDF 2500W 尺寸图与性能表

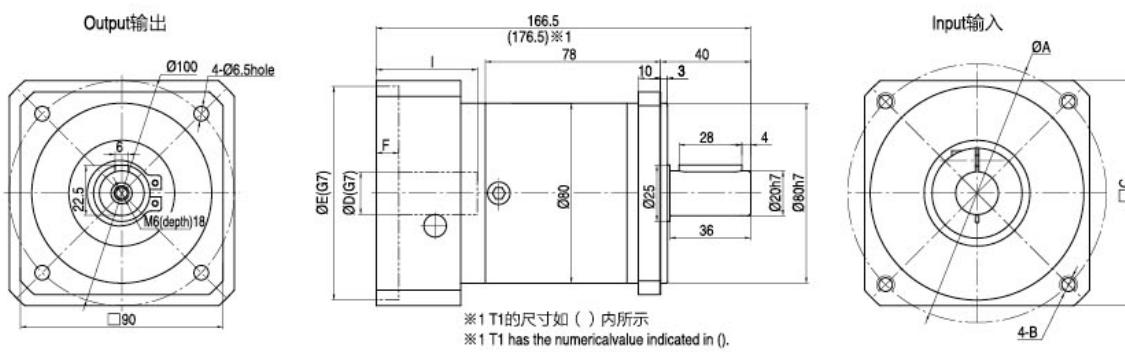
# ZDE/ZDF 2500W DIMENSIONAL DRAWING & PERFORMANCE TABLE

## ■ ZDF尺寸图 Dimensional Drawing

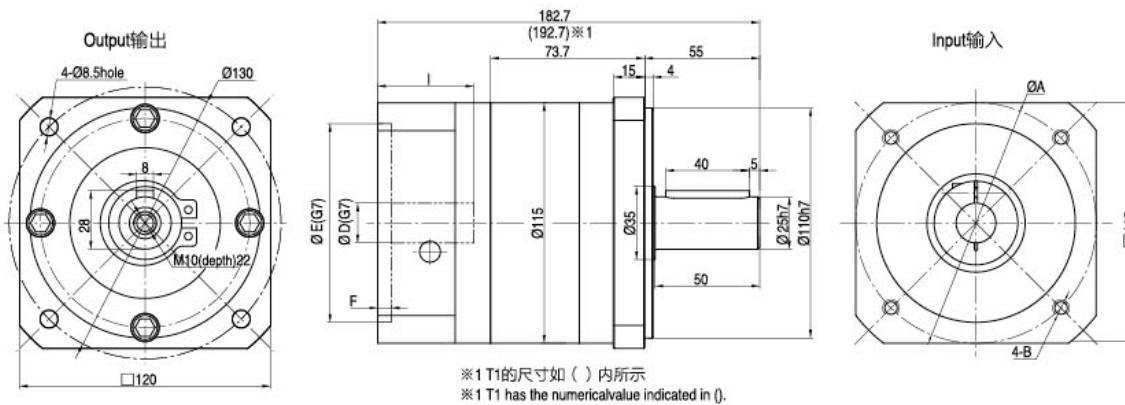
### ● 80ZDF3-4-2500



### ● 80ZDF9-2500



### ● 120ZDF5-8-2500



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	115	M8;深(depth)20	100	19	95	5	55
T2	115	M6;深(depth)15	100	24	95	5	45
T3	-	-	-	-	-	-	-

● T1~3的详细情况请参照P.188

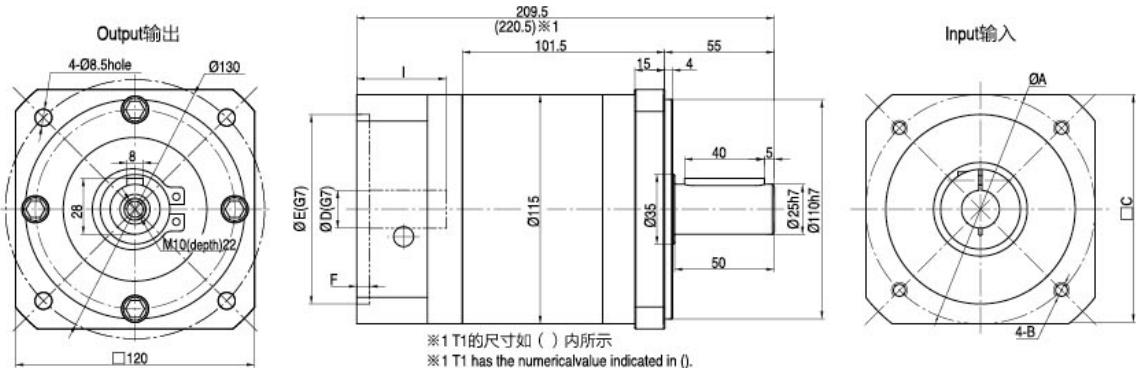
● For details of T1~3, see 188 page.

## ZDE/ZDF 2500W 尺寸图与性能表

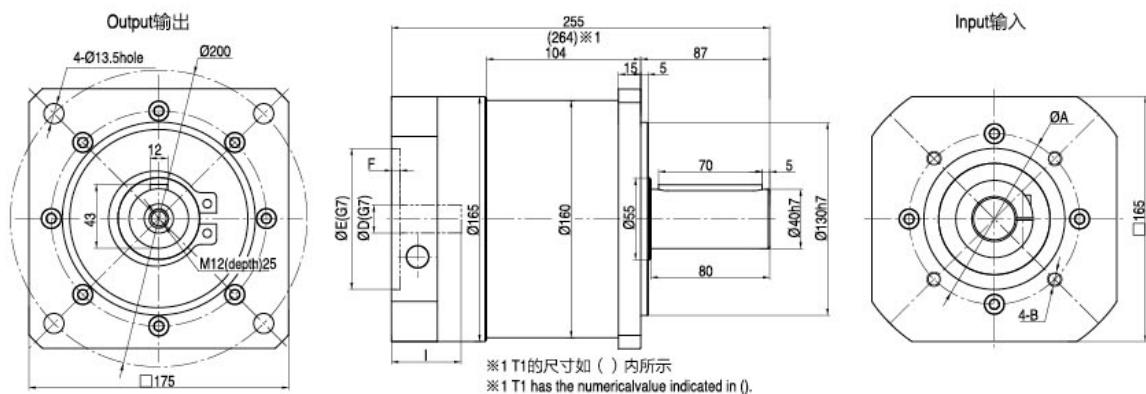
## ZDE/ZDF 2500W DIMENSIONAL DRAWING & PERFORMANCE TABLE

## ■ ZDF尺寸图 Dimensional Drawing

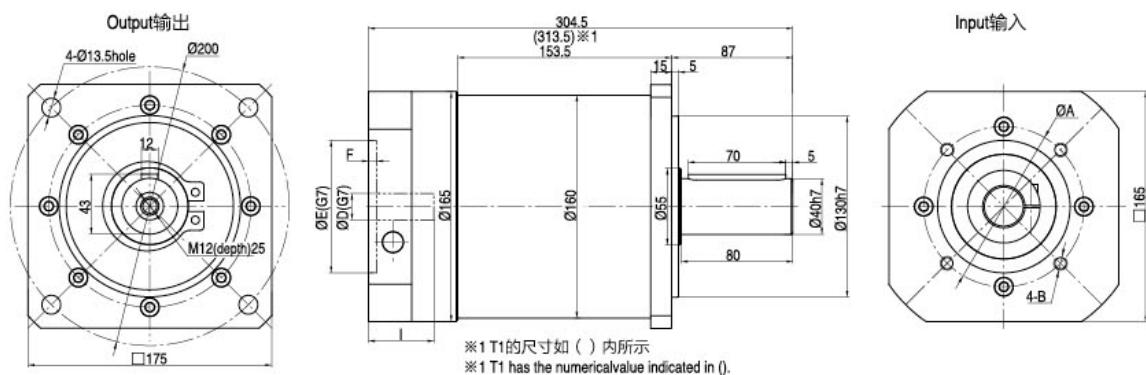
● 120ZDF12•15•16•20-2500



● 160ZDF10-2500



**160ZDF25•32•40-2500**



#### ■法兰部位详细尺寸表Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	115	M8深(depth)20	100	19	95	5	55
T2	115	M6深(depth)15	100	24	95	5	45
T3	-	-	-	-	-	-	-

●T1~3的详细情况请参照P.188

- For details of T1~3, see 188 page.

ZDE/ZDF 3000W 尺寸图与性能表

## ZDE/ZDF 3000W DIMENSIONAL DRAWING & PERFORMANCE TABLE

■ 性能表 Performance Table (输入转速为3,000rpm时 When input speed is 3000rpm)

额定输入 功率 Rated input motor	减速比 Reduction ratio	型号 Type			输出轴 转速 Output shaft speed	额定输出 扭矩 Standard output torque	瞬时最大 输出扭矩 Instantaneous max. output torque	容许径向 负荷 Permissible radial load	容许轴向 负荷 Permissible axial load	输入轴换算 内部惯性力矩 Internal moment of inertia of input shaft conversion	容许输出 扭矩 Permissible output torque	瞬时最大容 许输出扭矩 Instantaneous max. permissible output torque	
		机座号 Type no.	系列号 Model	减速比 Reduction ratio									
3000W	1/3	120	ZD □	3	-3000	1000	27.51	82.53	2100	1050	2.63	80	160
	1/4	120	ZD □	4	-3000	750	36.68	110.04	2100	1050	1.79	110	220
	1/5	120	ZD □	5	-3000	600	45.85	137.55	2100	1050	1.53	110	220
	1/8	160	ZD □	8	-3000	375	73.35	220.05	6000	3000	4.63	400	800
	1/10	160	ZD □	10	-3000	300	91.69	275.07	6000	3000	3.52	305	610
	1/9	120	ZD □	9	-3000	333.3	80.80	242.41	2100	1050	2.56	210	420
	1/12	120	ZD □	12	-3000	250	107.73	323.20	2100	1050	1.5	210	420
	1/15	120	ZD □	15	-3000	200	134.67	404.00	2100	1050	1.49	210	420
	1/16	120	ZD □	16	-3000	187.5	143.64	430.93	2100	1050	1.5	260	520
	1/20	160	ZD □	20	-3000	150	179.55	538.65	6000	3000	6.65	700	1400
	1/25	160	ZD □	25	-3000	120	224.44	673.31	6000	3000	6.65	700	1400
	1/32	160	ZD □	32	-3000	93.75	287.27	861.82	6000	3000	4.5	700	1400
	1/40	160	ZD □	40	-3000	75	359.09	1077.27	6000	3000	4.5	700	1400

**注1) 安装基准系列(马达适用表记载系列)以外的马达时,每次都要与我们联系。(法兰尺寸可能不同)**

注2) 输入轴换算惯性力矩仅为减速机的数值，不包括马达的惯性力矩

注3) 最高输入转速为5000rpm。正常情况下请转速控制在3000rpm以下。

注3) 最高输入转速为3000r/min。正常情况下。

**注4) 春许往向负荷表示输出轴干涉。**

注6) 输出轴旋转方向与马达输入旋转方向相同。

**Note 1)** In case of attachment to a motor beyond the standard models(motor matching series), contact us.(How to measure dimensions of the flange may be changed in some cases.)

Note 2) The moment of inertia of input shaft conversion is only gained from the reducer, so it does not include moment of inertia of the motor.

Note 3) The max. input speed is 5000rpm, and usually set to 3000rpm or less.

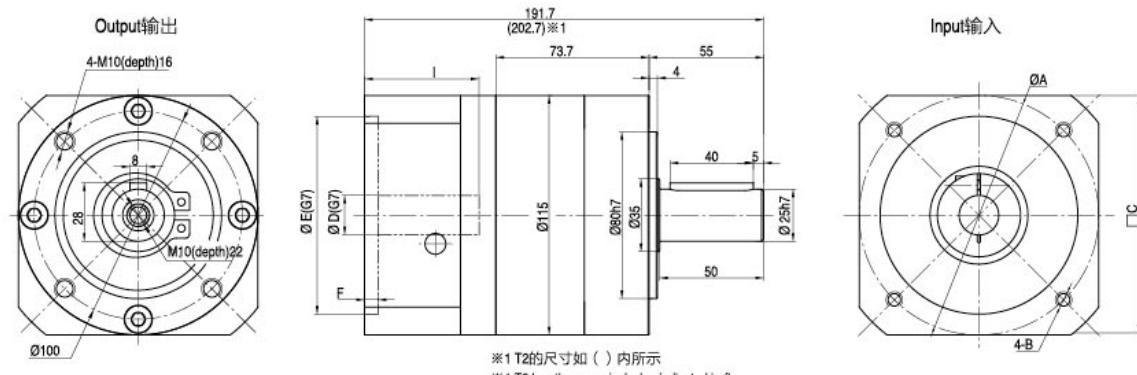
Note 4) The permissible radial load is indicated on the center of the output shaft.

Note 5) For motor assembly procedure, see 190 page.

Note 6) Rotation of the output shaft is in the same direction as motor

■ ZDE尺寸图 Dimensional Drawing

● 120ZDE3•4•5-3000



■ 法兰部位详细尺寸表 Detailed flange dimensions table. (单位 Unit: mm)

■法三部位详细尺寸表Detailed range dimensions table (单位Unit: mm)							
马达种类Motor type	A	B	C	D	E	F	I
T1	130	M8深(depth)20	120	22	110	8	55
T2	145	M8深(depth)20	130	28	110	8	65
T3	-	-	-	-	-	-	-

● T1~3的详细情况请参照P.188

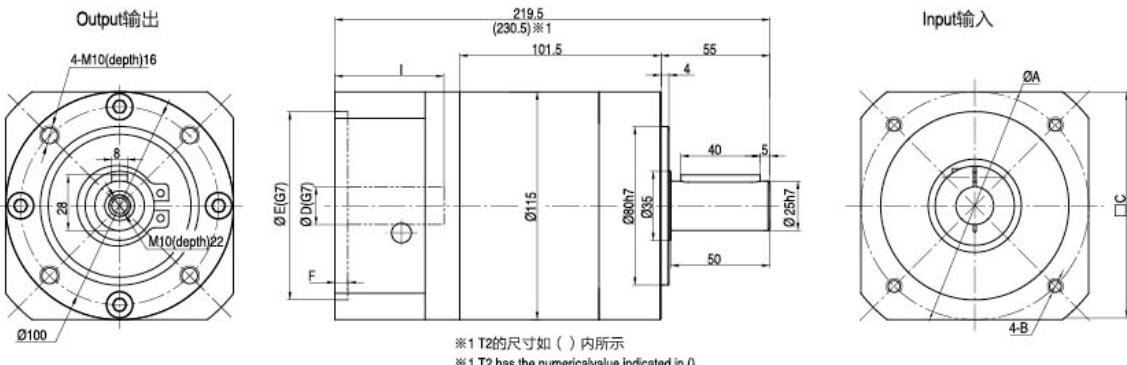
● For details of T1≈3, see 188 page.

## ZDE/ZDF 3000W 尺寸图与性能表

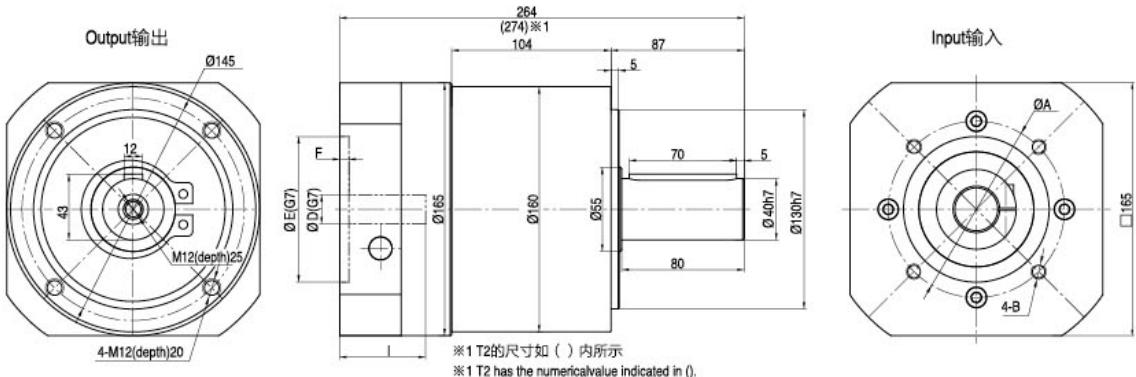
## ZDE/ZDF 3000W DIMENSIONAL DRAWING & PERFORMANCE TABLE

■ ZDE尺寸图 Dimensional Drawing

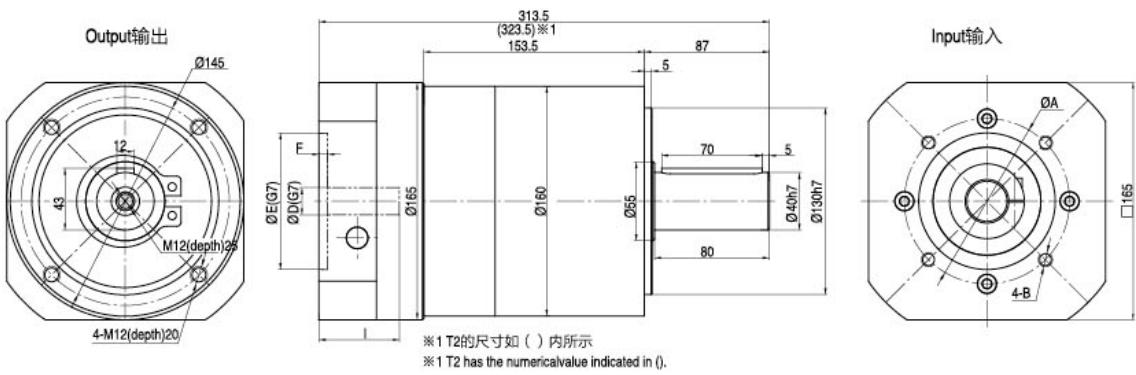
● 120ZDE9•12•15•16-3000



● 160ZDE8•10-3000



● 160ZDE20-25-32-40-3000



#### ■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类Motor type	A	B	C	D	E	F	I
T1	130	M8深(depth)20	120	22	110	8	55
T2	145	M8深(depth)20	130	28	110	8	65
T3	-	-	-	-	-	-	-

●T1~3的详细情况请参照P.188

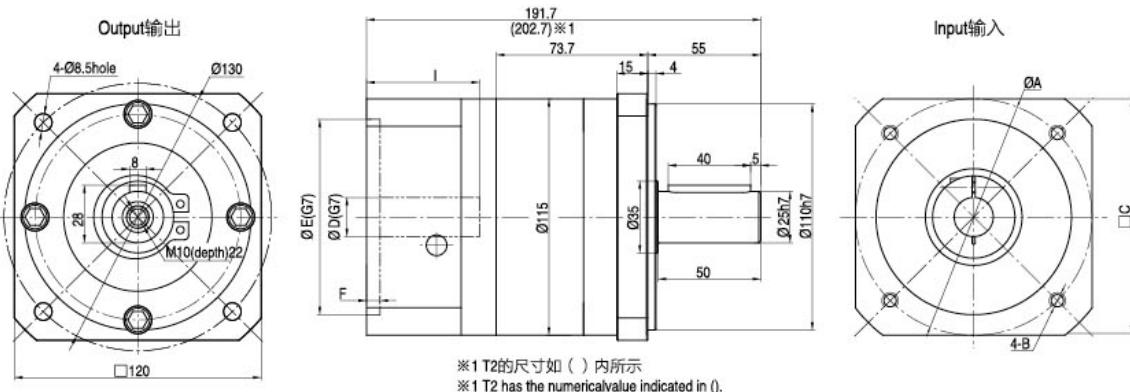
● For details of T1~3, see 188 page.

# ZDE/ZDF 3000W 尺寸图与性能表

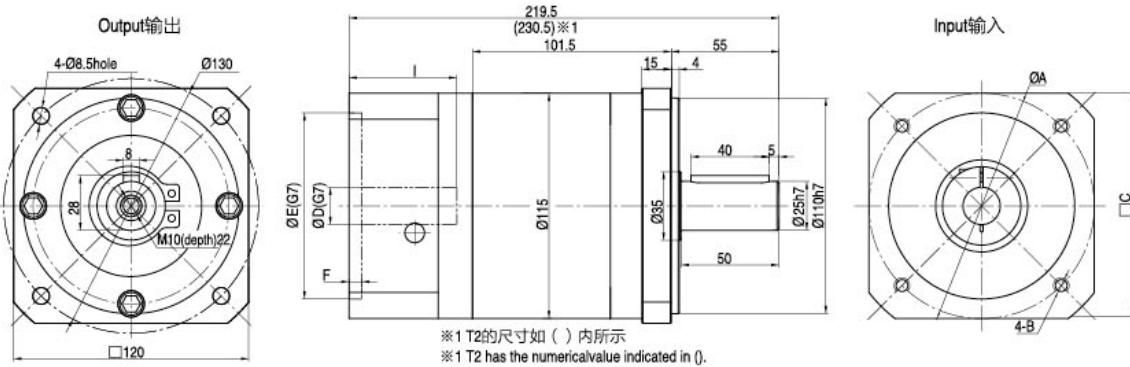
# ZDE/ZDF 3000W DIMENSIONAL DRAWING & PERFORMANCE TABLE

## ■ ZDF尺寸图 Dimensional Drawing

### ● 120ZDF3•4•5-3000



### ● 120ZDF9•12•15•16-3000



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	130	M8深(depth)20	120	22	110	8	55
T2	145	M8深(depth)20	130	28	110	8	65
T3	-	-	-	-	-	-	-

●T1~3的详细情况请参照P.188

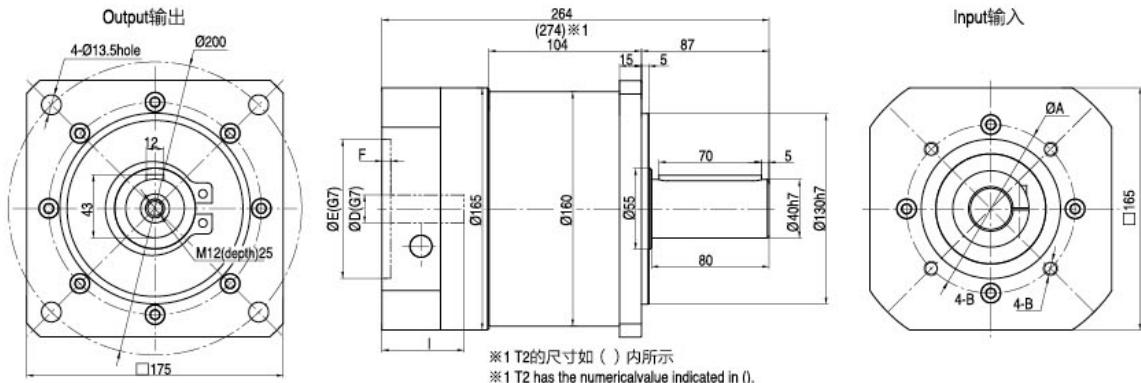
●For details of T1~3, see 188 page.

## ZDE/ZDF 3000W 尺寸图与性能表

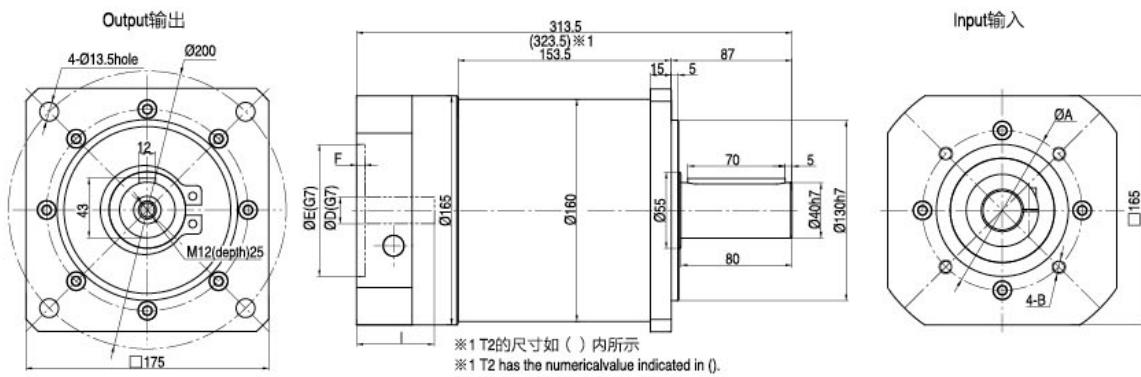
## ZDE/ZDF 3000W DIMENSIONAL DRAWING &amp; PERFORMANCE TABLE

## ■ ZDF尺寸图 Dimensional Drawing

## ● 160ZDF8-10-3000



## ● 160ZDF20-25-32-40-3000



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	130	M8深(depth)20	120	22	110	8	55
T2	145	M8深(depth)20	130	28	110	8	65
T3	-	-	-	-	-	-	-

● T1~3的详细情况请参照P.188

● For details of T1~3, see 188 page.

## ZDE/ZDF 3500W 尺寸图与性能表

## ZDE/ZDF 3500W DIMENSIONAL DRAWING & PERFORMANCE TABLE

■ 性能表 Performance Table (输入转速为3,000rpm时 When input speed is 3000rpm)

额定输入 功率 Rated input motor	减速比 Reduction ratio	型号 Type			输出轴 转速 Output shaft speed	额定输出 扭矩 Standard output torque	瞬时最大 输出扭矩 Instantaneous max. output torque	容许径向 负荷 Permissible radial load	容许轴向 负荷 Permissible axial load	输入轴换算 内部惯性力矩 Internal moment of inertia of input shaft conversion	容许输出 扭矩 Permissible output torque	瞬时最大容 许输出扭矩 Instantaneous max. permissible output torque	
		机座号 Type no.	系列号 Model	减速比 Reduction ratio									
3500W	1/3	120	ZD □	3	-3500	1000	31.97	95.91	2100	1050	2.63	80	160
	1/4	120	ZD □	4	-3500	750	42.63	127.89	2100	1050	1.79	110	220
	1/5	120	ZD □	5	-3500	600	53.29	159.87	2100	1050	1.53	110	220
	1/8	160	ZD □	8	-3500	375	85.25	255.75	6000	3000	4.63	400	800
	1/10	160	ZD □	10	-3500	300	106.57	319.71	6000	3000	3.52	305	610
	1/9	120	ZD □	9	-3500	333.3	93.92	281.75	2100	1050	2.56	210	420
	1/12	120	ZD □	12	-3500	250	125.22	375.65	2100	1050	1.5	210	420
	1/15	160	ZD □	15	-3500	200	156.52	469.56	6000	3000	6.65	450	900
	1/16	120	ZD □	16	-3500	187.5	166.95	500.86	2100	1050	1.5	260	520
	1/20	160	ZD □	20	-3500	150	208.69	626.07	6000	3000	6.65	700	1400
	1/25	160	ZD □	25	-3500	120	260.86	782.58	6000	3000	6.65	700	1400
	1/32	160	ZD □	32	-3500	93.75	333.90	1001.69	6000	3000	4.5	700	1400
	1/40	160	ZD □	40	-3500	75	417.37	1252.11	6000	3000	4.5	700	1400

**注1) 安装基准系列(马达适用表记载系列)以外的马达时,每次都要与我们联系。(法兰尺寸可能不同)**

注2) 输入轴换算惯性力矩仅为减速机的数值，不包括马达的惯性力矩

注3) 最高输入转速为5000rpm。正常情况下请转速控制在3000rpm以下。

注4) 容许径向负荷表示输出轴中央部位的值。

注4) 各元件間負荷表示輸出軸半支

注6) 输出轴旋转方向与马达输入旋转方向相同。

Note 1) In case of attachment to a motor beyond the standard models(motor matching series), contact us.(How to measure dimensions of the flange may be changed in some cases.)

Note 2) The moment of inertia of input shaft conversion is only gained from the reducer, so it does not include moment of inertia of the motor.

Note 3) The max. input speed is 5000rpm, and usually set to 3000rpm or less.

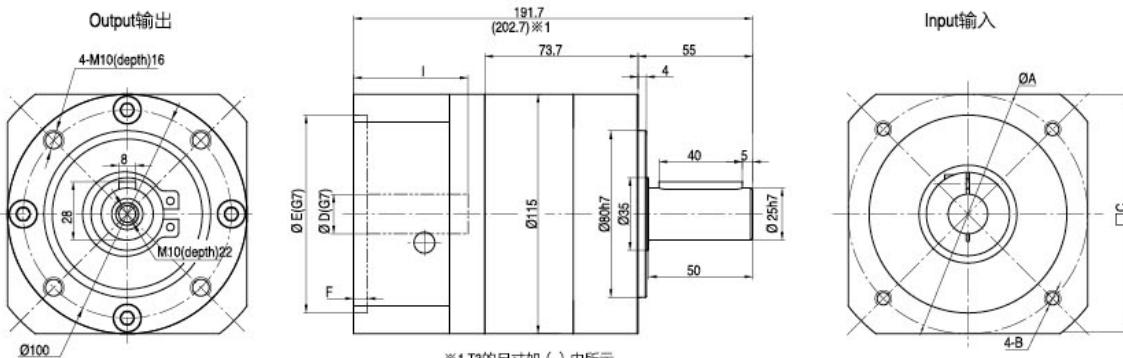
Note 4) The permissible radial load is indicated on the center of the output shaft.

Note 5) For motor assembly procedure, see 190 page.

Note 6) Rotation of the output shaft is in the same direction as motor.

## ■ ZDE尺寸图 Dimensional Drawing

● 120ZDE3•4•5-3500



■法兰部位详细尺寸表 Detailed flange dimensions table (单位:Unit:mm)

■法二部位详细尺寸表Detailed flange dimensions table (单位Unit: mm)							
马达种类Motor type	A	B	C	D	E	F	I
T1	130	M8深(depth)20	120	22	110	8	55
T2	-	-	-	-	-	-	-
T3	145	M8深(depth)20	130	28	110	8	65

●T1~3的详细情况请参照P.188

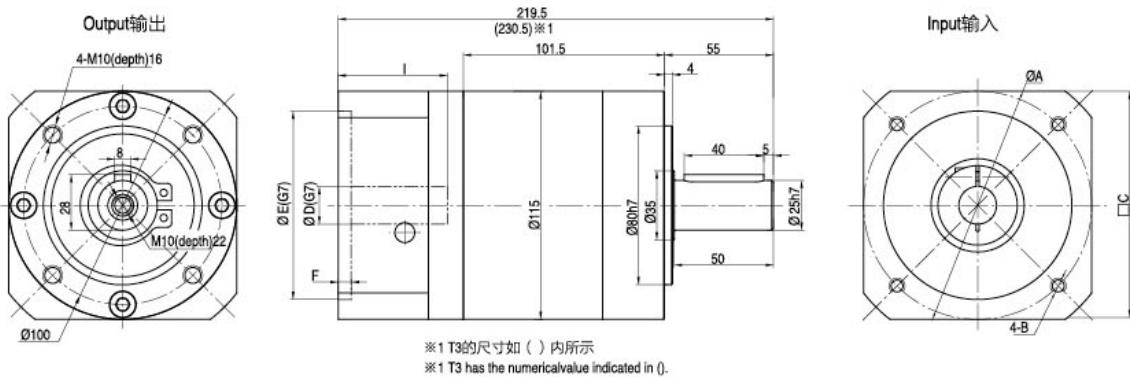
● For details of T1-3, see 188 page

## ZDE/ZDF 3500W 尺寸图与性能表

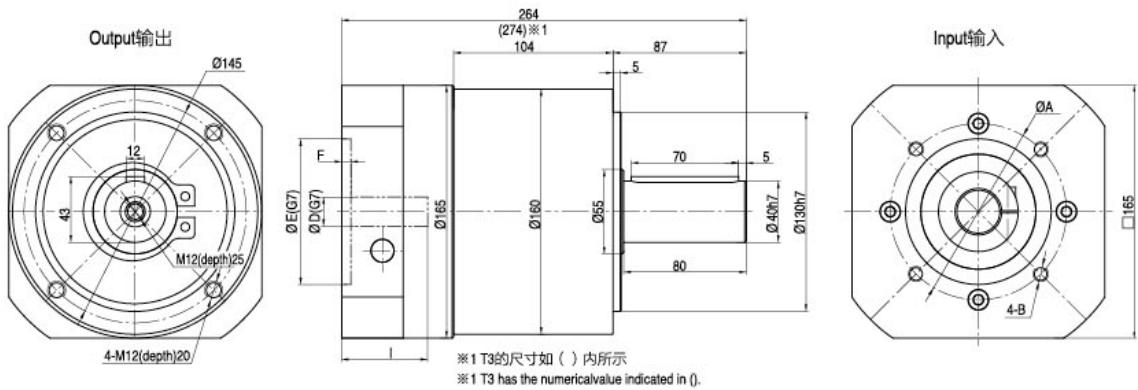
## ZDE/ZDF 3500W DIMENSIONAL DRAWING &amp; PERFORMANCE TABLE

## ■ ZDE尺寸图 Dimensional Drawing

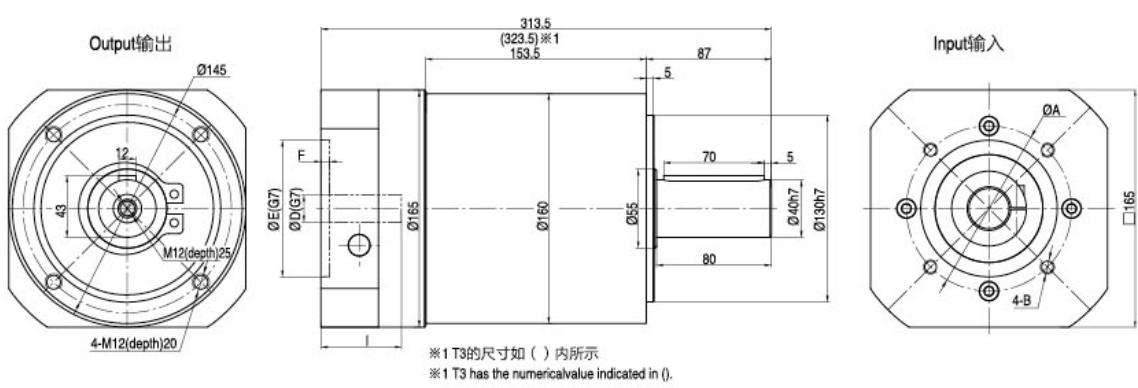
## ● 120ZDE9-12-16-3500



## ● 160ZDE8-10-3500



## ● 160ZDE15-20-25-32-40-3500



## ■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

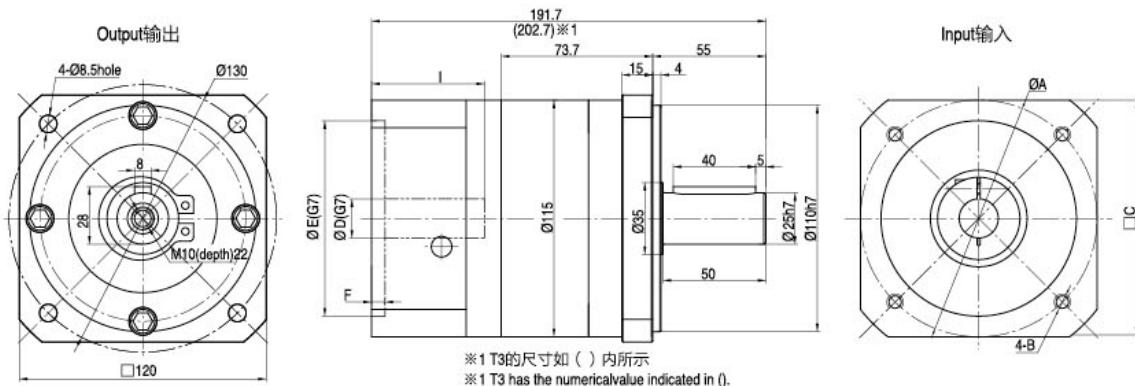
马达种类 Motor type	A	B	C	D	E	F	I
T1	130	M8深(depth)20	120	22	110	8	55
T2	-	-	-	-	-	-	-
T3	145	M8深(depth)20	130	28	110	8	65

● T1~3的详细情况请参照P.188

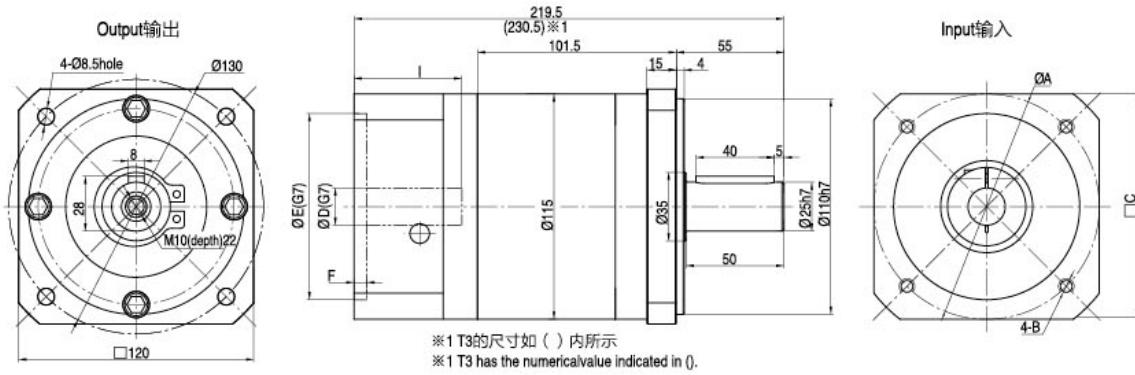
● For details of T1~3, see 188 page.

#### ■ ZDF尺寸图 Dimensional Drawing

● 120ZDF3•4•5-3500



● 120ZDF9•12•16-3500



#### ■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类Motor type	A	B	C	D	E	F	I
T1	130	M8深(depth)20	120	22	110	8	55
T2	-	-	-	-	-	-	-
T3	145	M8深(depth)20	130	28	110	8	65

●T1~3的详细情况请参照P.188

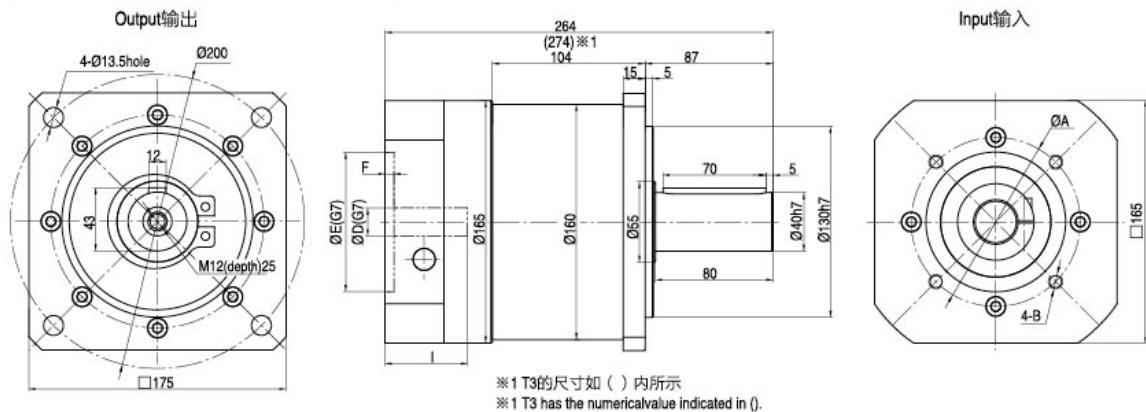
● For details of T1~3, see 188 page.

## ZDE/ZDF 3500W 尺寸图与性能表

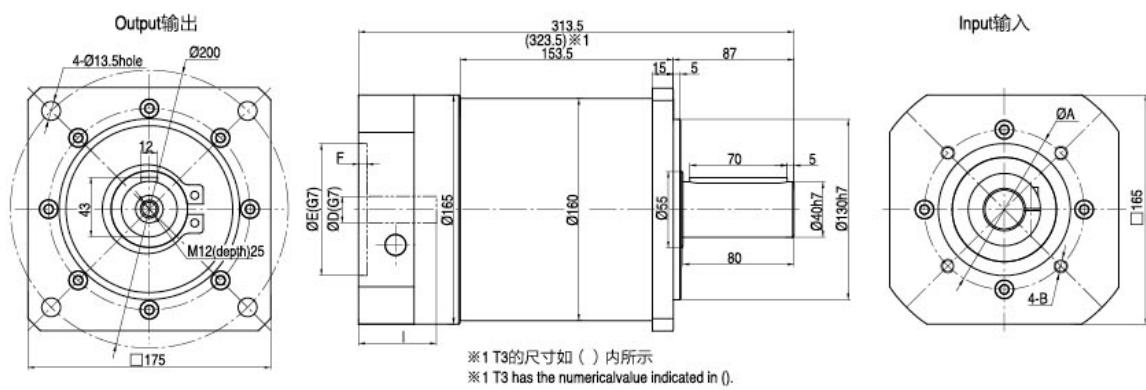
## ZDE/ZDF 3500W DIMENSIONAL DRAWING &amp; PERFORMANCE TABLE

## ■ ZDF尺寸图 Dimensional Drawing

## ● 160ZDF8-10-3500



## ● 160ZDF15-20-25-32-40-3500



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	130	M8深(depth)20	120	22	110	8	55
T2	-	-	-	-	-	-	-
T3	145	M8深(depth)20	130	28	110	8	65

● T1~3的详细情况请参照P.188

● For details of T1~3, see 188 page.

## ZDE/ZDF 4000W 尺寸图与性能表

## ZDE/ZDF 4000W DIMENSIONAL DRAWING & PERFORMANCE TABLE

■ 性能表 Performance Table (输入转速为3,000rpm时 When input speed is 3000rpm)

额定输入 马达功率 Rated input motor	减速比 Reduction ratio	型号 Type			输出轴 转速 Output shaft speed	额定输出 扭矩 Standard output torque	瞬间最大 输出扭矩 Instantaneous max. output torque	容许径向 负荷 Permissible radial load	容许轴向 负荷 Permissible axial load	输入轴换算 内部惯性力矩 Internal moment of inertia of input shaft conversion	容许输出 扭矩 Permissible output torque	瞬间最大容 许输出扭矩 Instantaneous max. permissible output torque	
		机座号 Type no.	系列号 Model	减速比 Reduction ratio									
		(rpm)	(N·m)	(N·m)									
4000W	1/3	120	ZD □	3	-4000	1000	36.58	109.74	2100	1050	2.63	80	160
	1/4	120	ZD □	4	-4000	750	48.77	146.31	2100	1050	1.79	110	220
	1/5	120	ZD □	5	-4000	600	60.97	182.91	2100	1050	1.53	110	220
	1/8	160	ZD □	8	-4000	375	97.54	292.62	6000	3000	4.63	400	800
	1/10	160	ZD □	10	-4000	300	121.93	365.79	6000	3000	3.52	305	610
	1/9	120	ZD □	9	-4000	333.3	107.45	322.36	6000	3000	2.56	210	420
	1/12	160	ZD □	12	-4000	250	143.27	429.80	6000	3000	7.47	450	900
	1/15	160	ZD □	15	-4000	200	179.08	537.24	6000	3000	6.65	450	900
	1/16	160	ZD □	16	-4000	187.5	191.02	573.05	6000	3000	7.47	700	1400
	1/20	160	ZD □	20	-4000	150	238.77	716.31	6000	3000	6.65	700	1400
	1/25	160	ZD □	25	-4000	120	298.46	895.38	6000	3000	6.65	700	1400
	1/32	160	ZD □	32	-4000	93.75	382.03	1146.08	6000	3000	4.5	700	1400

注1) 安装基准系列(马达适用表记载系列)以外的马达时,每次都要与我们联系。(法兰尺寸可能不同)

注2) 输入轴换算惯性力矩仅为减速机的数值，不包括马达的惯性力矩

注3) 最高输入转速为5000rpm。正常情况下请转速控制在3000rpm以下。

注4) 容许径向负荷表示输出轴中央部位的值。

**注4) 合许性尚须向表示输出端子上文**

注6) 输出轴旋转方向与马达输入旋转方向相同

Note 1) In case of attachment to a motor beyond the standard models(motor matching series), contact us.(How to measure dimensions of the flange may be changed in some cases.)

Note 2) The moment of inertia of input shaft conversion is only gained from the reducer, so it does not include moment of inertia of the motor.

**Note 3)** The max. input speed is 5000rpm, and usually set to 3000rpm or less.

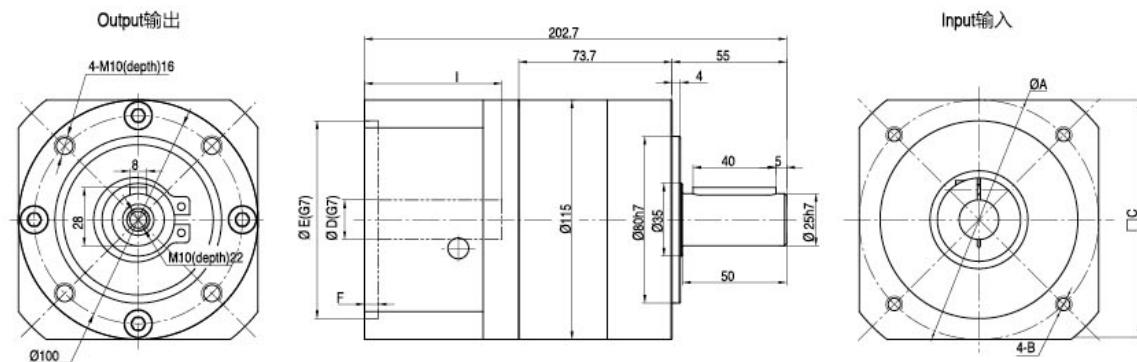
**Note 4)** The permissible radial load is indicated on the center of the output shaft.

Note 5) For motor assembly procedure, see 190 page.

Note 6) Rotation of the output shaft is in the same direction as motor.

■ ZDE尺寸图 Dimensional Drawing

● 120ZDE3•4•5-4000



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位 Unit: mm)

马达种类	Motor type	A	B	C	D	E	F	I
T1		145	M8深(depth)20	130	24	110	8	65
T2		145	M8深(depth)20	130	28	110	8	65
T3		-	-	-	-	-	-	-

● T1-3的详细情况请参照P.188

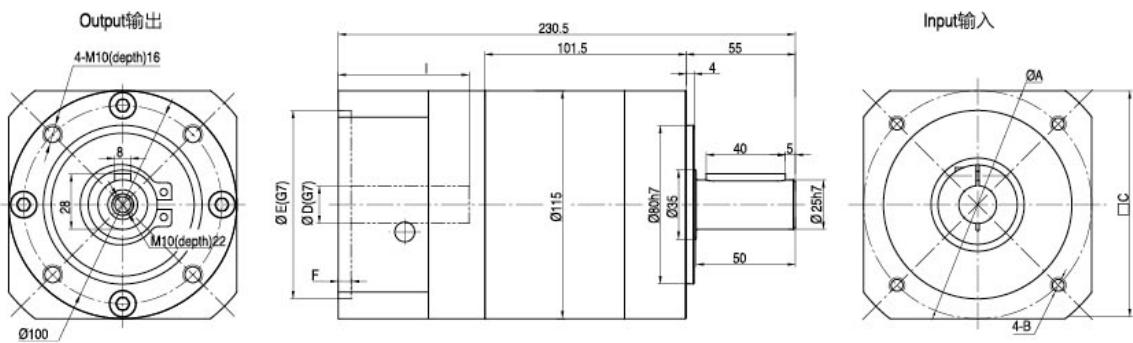
● For details of T1-3 see 188 page

## ZDE/ZDF 4000W 尺寸图与性能表

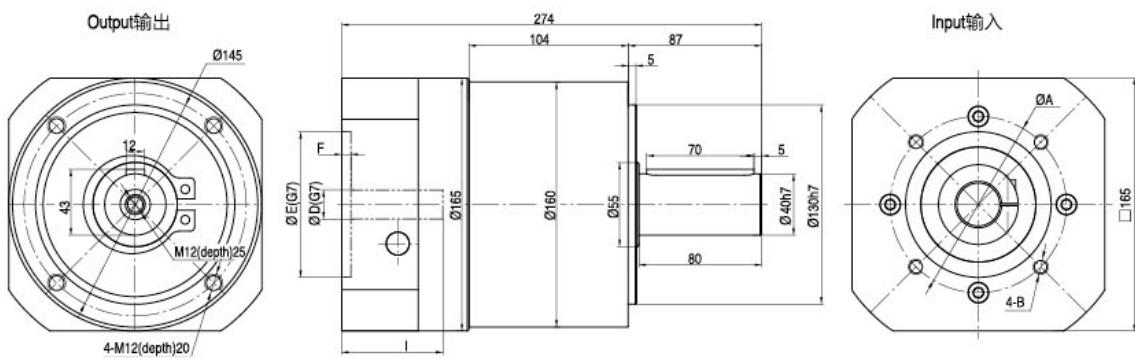
## ZDE/ZDF 4000W DIMENSIONAL DRAWING & PERFORMANCE TABLE

## ■ ZDE尺寸图 Dimensional Drawing

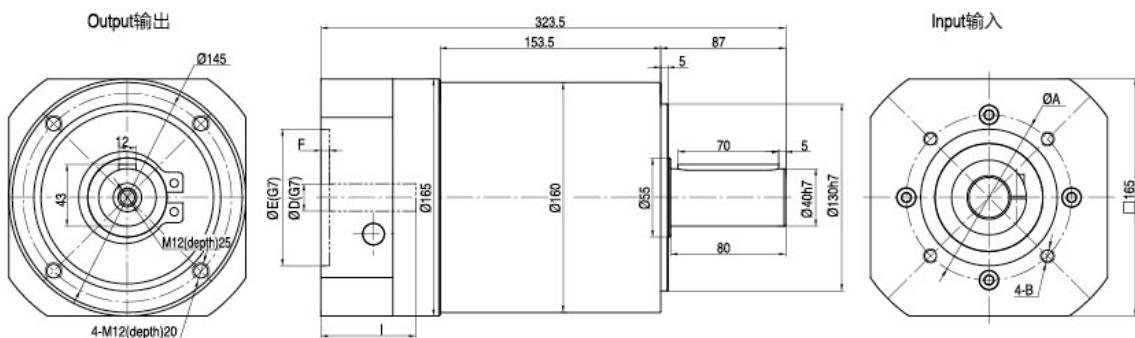
● 120ZDE9-4000



● 160ZDE8-10-4000



● 160ZDE12•15•16•20•25•32-4000



#### ■法兰部位详细尺寸表Detailed flange dimensions table (单位Unit: mm)

马达种类Motor type	A	B	C	D	E	F	I
T1	145	M8深(depth)20	130	24	110	8	65
T2	145	M8深(depth)20	130	28	110	8	65
T3	-	-	-	-	-	-	-

●T1~3的详细情况请参照P.188

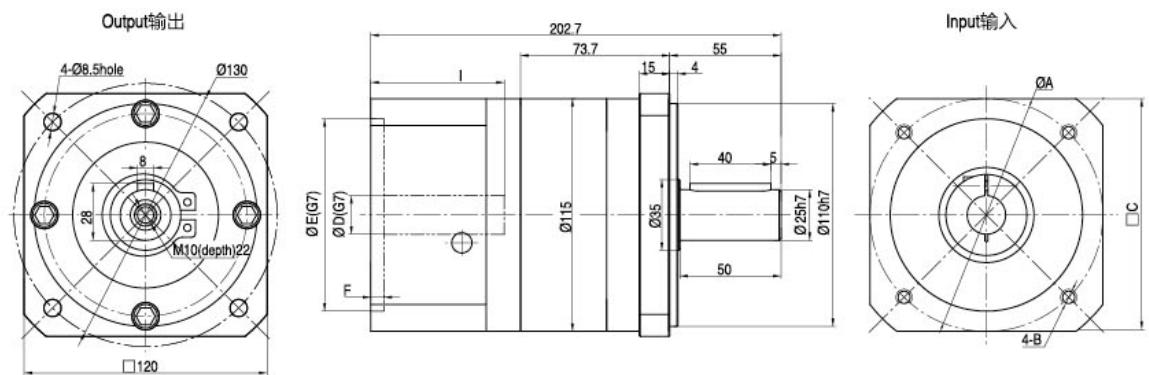
● For details of T1~3, see 188 page.

# ZDE/ZDF 4000W 尺寸图与性能表

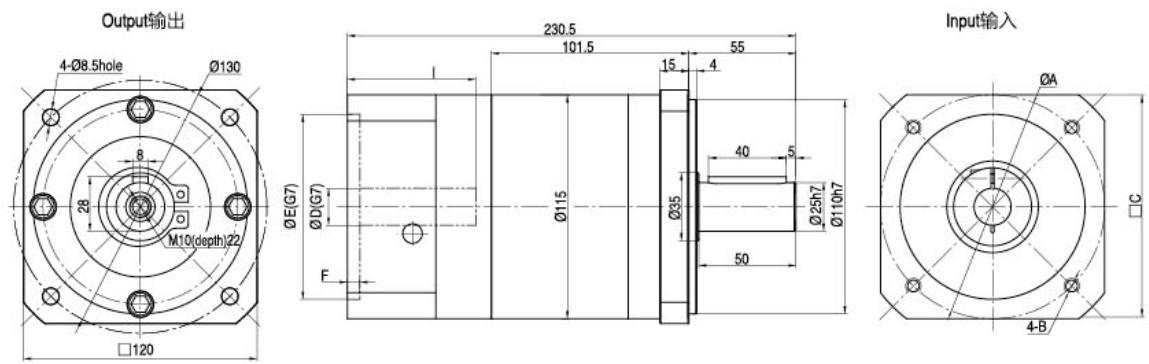
# ZDE/ZDF 4000W DIMENSIONAL DRAWING & PERFORMANCE TABLE

## ■ ZDF尺寸图 Dimensional Drawing

### ● 120ZDF3•4•5-4000



### ● 120ZDF9-4000



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	145	M8深(depth)20	130	24	110	8	65
T2	145	M8深(depth)20	130	28	110	8	65
T3	-	-	-	-	-	-	-

● T1~3的详细情况请参照P.188

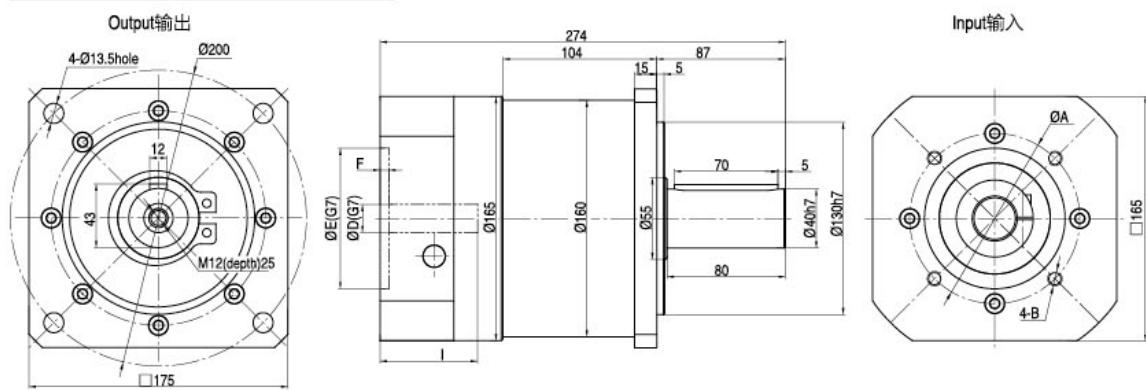
● For details of T1~3, see 188 page.

## ZDE/ZDF 4000W 尺寸图与性能表

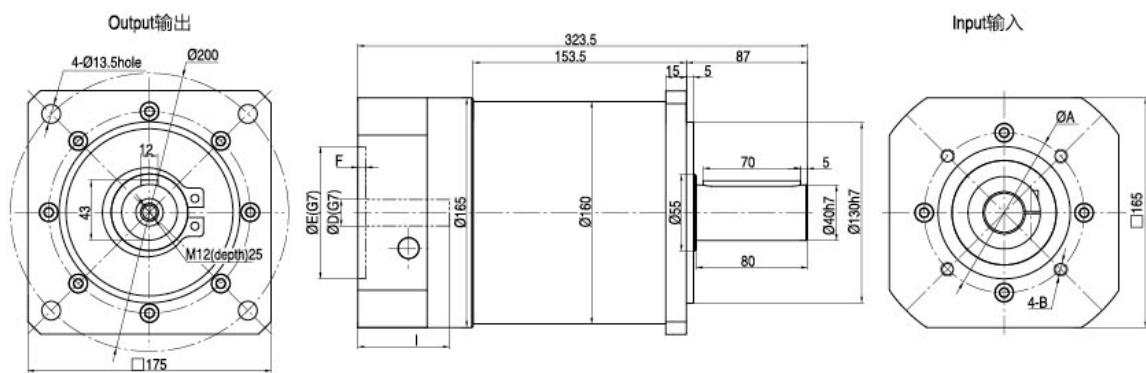
## ZDE/ZDF 4000W DIMENSIONAL DRAWING & PERFORMANCE TABLE

## ■ ZDF尺寸图 Dimensional Drawing

● 160ZDF8-10-4000



● 160ZDF12-15-16-20-25-32-4000



#### ■法兰部位详细尺寸表Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	145	M8深(depth)20	130	24	110	8	65
T2	145	M8深(depth)20	130	28	110	8	65
T3	-	-	-	-	-	-	-

●T1~3的详细情况请参照P.188

● For details of T1~3, see 188 page.

# ZDE/ZDF 4500W 尺寸图与性能表

## ZDE/ZDF 4500W DIMENSIONAL DRAWING & PERFORMANCE TABLE

### ■ 性能表 Performance Table (输入转速为3,000rpm时 When input speed is 3000rpm)

额定输入 马达功率 Rated input motor	减速比 Reduction ratio	型号 Type			输出轴 转速 Output shaft speed	额定输出 扭矩 Standard output torque	瞬间最大 输出扭矩 Instantaneous max. output torque	容许径向 负荷 Permissible radial load	容许轴向 负荷 Permissible axial load	输入轴换算 内部惯性力矩 Internal moment of inertia of input shaft conversion	容许输出 扭矩 Permissible output torque	瞬间最大容 许输出扭矩 Instantaneous max. permissible output torque	
		机座号 Type no.	系列号 Model	减速比 Reduction ratio	马达功率 Motor								
4500W	1/3	120	ZD □	3	-4500	1000	41.19	123.57	2100	1050	2.63	80	160
	1/4	120	ZD □	4	-4500	750	54.92	164.76	2100	1050	1.79	110	220
	1/5	120	ZD □	5	-4500	600	68.65	205.95	2100	1050	1.53	110	220
	1/8	160	ZD □	8	-4500	375	109.83	329.49	6000	3000	4.63	400	800
	1/10	160	ZD □	10	-4500	300	137.29	411.87	6000	3000	3.52	305	610
	1/12	160	ZD □	12	-4500	250	161.31	483.94	6000	3000	7.47	450	900
	1/15	160	ZD □	15	-4500	200	201.64	604.92	6000	3000	6.65	450	900
	1/16	160	ZD □	16	-4500	187.5	215.08	645.25	6000	3000	7.47	700	1400
	1/20	160	ZD □	20	-4500	150	268.85	806.55	6000	3000	6.65	700	1400
	1/25	160	ZD □	25	-4500	120	336.06	1008.18	6000	3000	6.65	700	1400
	1/32	160	ZD □	32	-4500	93.75	430.15	1290.46	6000	3000	4.5	700	1400

注1) 安装基准系列 (马达适用表记载系列) 以外的马达时, 每次都要与我们联系。(法兰尺寸可能不同)

注2) 输入轴换算惯性力矩仅为减速机的数值, 不包括马达的惯性力矩。

注3) 最高输入转速为5000rpm。正常情况下请转速控制在3000rpm以下。

注4) 容许径向负荷表示输出轴中央部位的值。

注5) 马达的安装顺序请参照P.190

注6) 输出轴旋转方向与马达输入旋转方向相同。

Note 1) In case of attachment to a motor beyond the standard models(motor matching series), contact us.(How to measure dimensions of the flange may be changed in some cases.)

Note 2) The moment of inertia of input shaft conversion is only gained from the reducer, so it does not include moment of inertia of the motor.

Note 3) The max. input speed is 5000rpm, and usually set to 3000rpm or less.

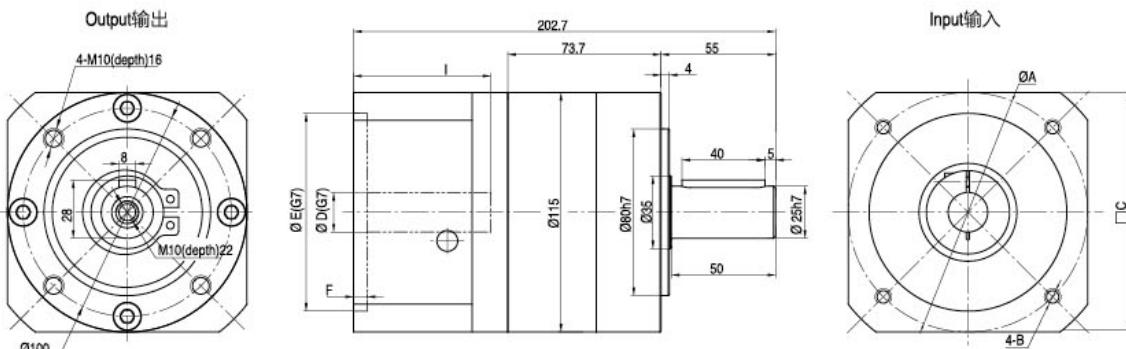
Note 4) The permissible radial load is indicated on the center of the output shaft.

Note 5) For motor assembly procedure, see 190 page.

Note 6) Rotation of the output shaft is in the same direction as motor.

### ■ ZDE尺寸图 Dimensional Drawing

#### ● 120ZDE3•4•5-4500



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	145	M8深(depth)20	130	24	110	8	65
T2	-	-	-	-	-	-	-
T3	-	-	-	-	-	-	-

●T1~3的详细情况请参照P.188

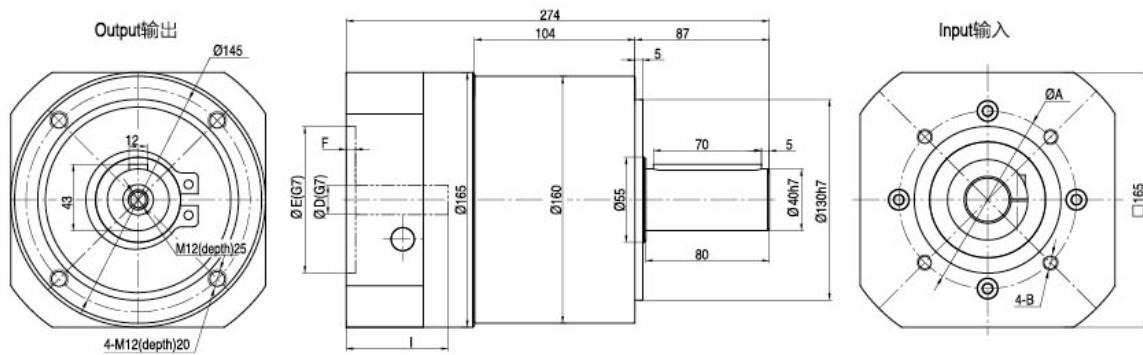
●For details of T1~3, see 188 page.

## ZDE/ZDF 4500W 尺寸图与性能表

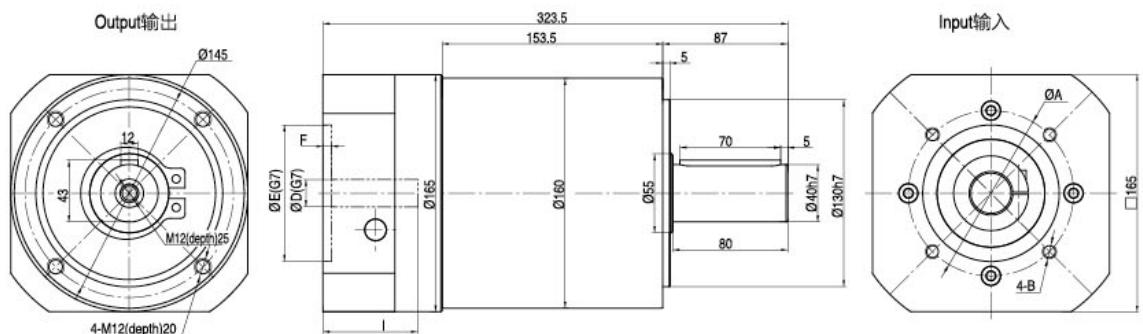
## ZDE/ZDF 4500W DIMENSIONAL DRAWING &amp; PERFORMANCE TABLE

## ■ ZDE尺寸图 Dimensional Drawing

## ● 160ZDE8-10-4500



## ● 160ZDE12-15-16-20-25-32-4500



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	145	M8深(depth)20	130	24	110	8	65
T2	-	-	-	-	-	-	-
T3	-	-	-	-	-	-	-

● T1~3的详细情况请参照P.188

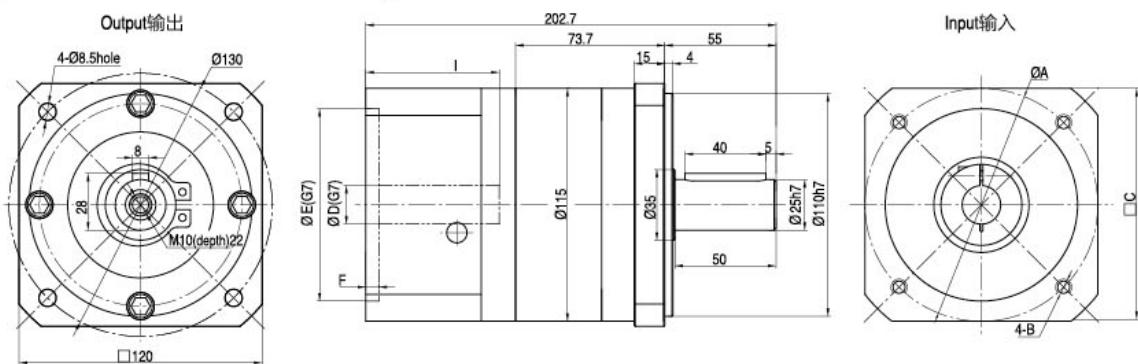
● For details of T1~3, see 188 page.

# ZDE/ZDF 4500W 尺寸图与性能表

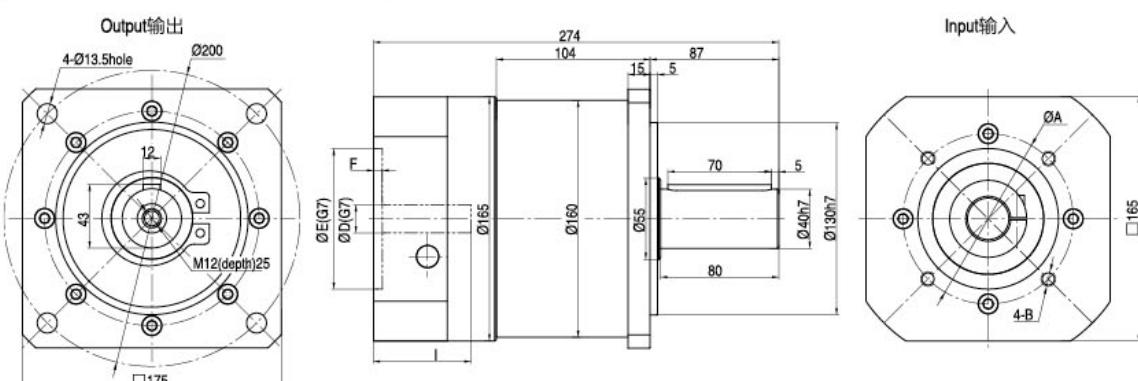
# ZDE/ZDF 4500W DIMENSIONAL DRAWING & PERFORMANCE TABLE

## ■ ZDF尺寸图 Dimensional Drawing

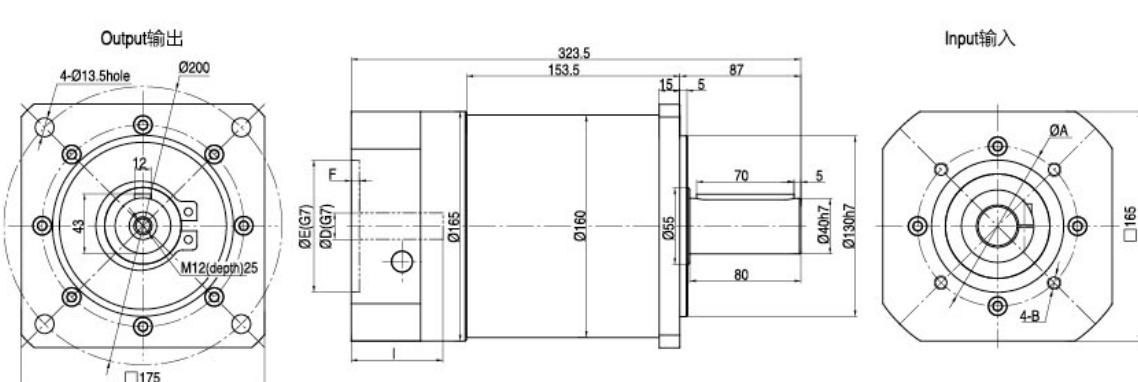
### ● 120ZDF3•4•5-4500



### ● 160ZDF8•10-4500



### ● 160ZDF12•15•16•20•25•32-4500



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	145	M8深(depth)20	130	24	110	8	65
T2	-	-	-	-	-	-	-
T3	-	-	-	-	-	-	-

● T1~3的详细情况请参照P.188

● For details of T1~3, see 188 page.

## ZDE/ZDF 5000W 尺寸图与性能表

## ZDE/ZDF 5000W DIMENSIONAL DRAWING &amp; PERFORMANCE TABLE

## ■ 性能表 Performance Table (输入转速为3,000rpm时 When input speed is 3000rpm)

额定输入 马达功率 Rated input motor	减速比 Reduction ratio	型号 Type			输出轴 转速 Output shaft speed	额定输出 扭矩 Standard output torque	瞬间最大 输出扭矩 Instantaneous max. output torque	容许径向 负荷 Permissible radial load	容许轴向 负荷 Permissible axial load	输入轴换算 内部惯性力矩 Internal moment of inertia of input shaft conversion	容许输出 扭矩 Permissible output torque	瞬间最大容 许输出扭矩 Instantaneous max. permissible output torque	
		机座号 Type no.	系列号 Model	减速比 Reduction ratio	马达功率 Motor								
5000W	1/3	120	ZD □	3	-5000	1000	45.80	137.40	2100	1050	2.63	80	160
	1/4	120	ZD □	4	-5000	750	61.06	183.18	2100	1050	1.79	110	220
	1/5	160	ZD □	5	-5000	600	76.33	228.99	6000	3000	6.07	450	900
	1/8	160	ZD □	8	-5000	375	122.12	366.36	6000	3000	4.63	400	800
	1/10	160	ZD □	10	-5000	300	152.65	457.95	6000	3000	3.52	305	610
	1/12	160	ZD □	12	-5000	250	179.36	538.09	6000	3000	7.47	450	900
	1/15	160	ZD □	15	-5000	200	224.20	672.60	6000	3000	6.65	450	900
	1/16	160	ZD □	16	-5000	187.5	239.15	717.44	6000	3000	7.47	700	1400
	1/20	160	ZD □	20	-5000	150	298.93	896.79	6000	3000	6.65	700	1400
	1/25	160	ZD □	25	-5000	120	373.66	1120.98	6000	3000	6.65	700	1400

注1) 安装基准系列(马达适用表记载系列)以外的马达时,每次都要与我们联系。(法兰尺寸可能不同)

注2) 输入轴换算惯性力矩仅为减速机的数值,不包括马达的惯性力矩。

注3) 最高输入转速为5000rpm。正常情况下请将转速控制在3000rpm以下。

注4) 容许径向负荷表示输出轴中央部位的值。

注5) 马达的安装顺序请参照P.190

注6) 输出轴旋转方向与马达输入旋转方向相同。

Note 1) In case of attachment to a motor beyond the standard models(motor matching series), contact us.(How to measure dimensions of the flange may be changed in some cases.)

Note 2) The moment of inertia of input shaft conversion is only gained from the reducer, so it does not include moment of inertia of the motor.

Note 3) The max. input speed is 5000rpm, and usually set to 3000rpm or less.

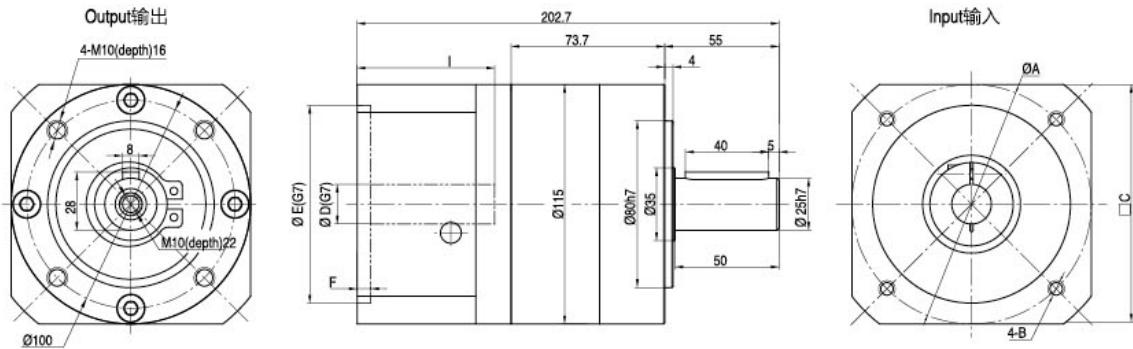
Note 4) The permissible radial load is indicated on the center of the output shaft.

Note 5) For motor assembly procedure, see 190 page.

Note 6) Rotation of the output shaft is in the same direction as motor.

## ■ ZDE尺寸图 Dimensional Drawing

## ● 120ZDE3-4-5000



## ■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	145	M8深(depth)20	130	24	110	8	65
T2	145	M8深(depth)20	130	28	110	8	65
T3	145	M8深(depth)20	130	28	110	8	65

● T1~3的详细情况请参照P.188

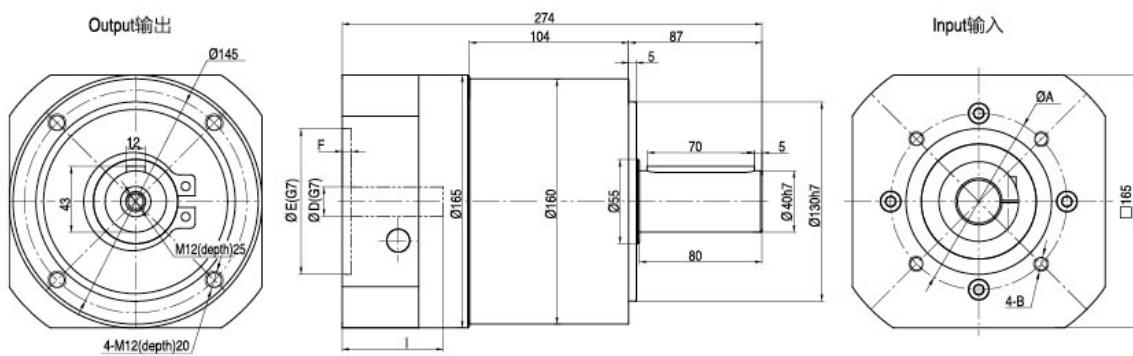
● For details of T1~3, see 188 page.

# ZDE/ZDF 5000W 尺寸图与性能表

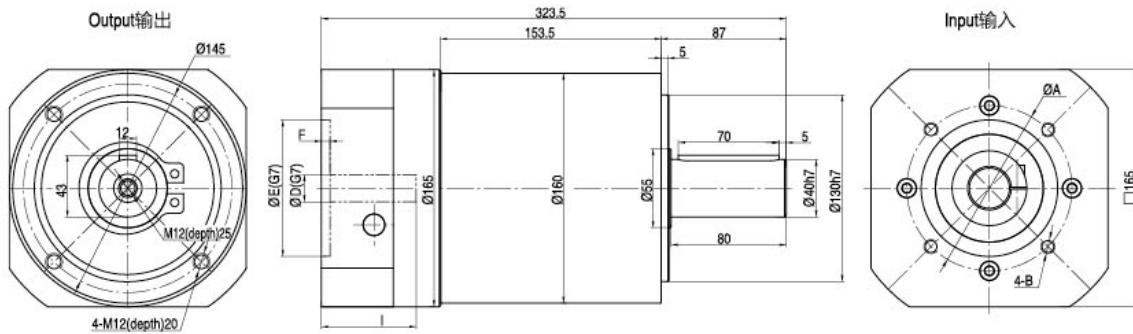
## ZDE/ZDF 5000W DIMENSIONAL DRAWING & PERFORMANCE TABLE

### ■ ZDE尺寸图 Dimensional Drawing

#### ● 160ZDE5•8•10-5000



#### ● 160ZDE12•15•16•20•25-5000



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	145	M8;深(depth)20	130	24	110	8	65
T2	145	M8;深(depth)20	130	28	110	8	65
T3	145	M8;深(depth)20	130	28	110	8	65

● T1~3的详细情况请参照P.188

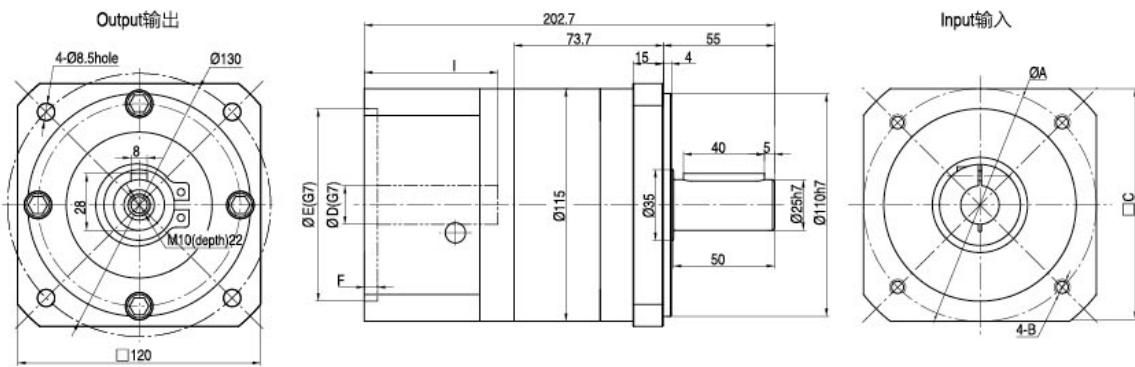
● For details of T1~3, see 188 page.

## ZDE/ZDF 5000W 尺寸图与性能表

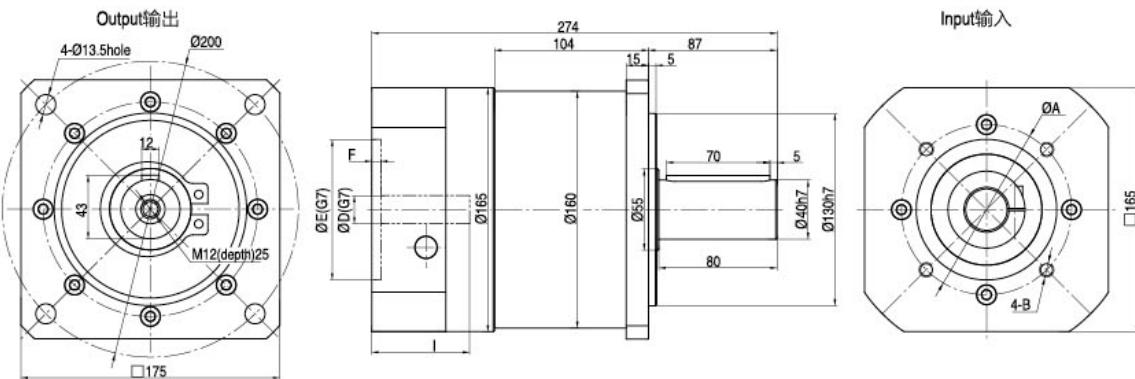
## ZDE/ZDF 5000W DIMENSIONAL DRAWING &amp; PERFORMANCE TABLE

## ■ ZDF尺寸图 Dimensional Drawing

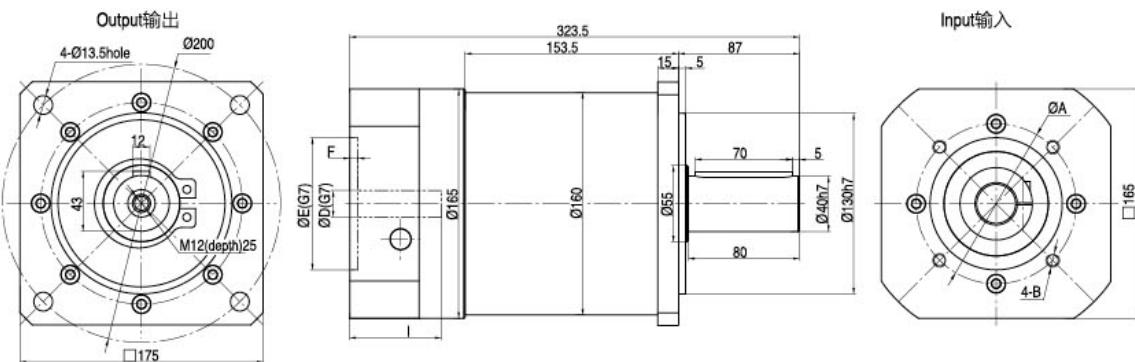
## ● 120ZDF3-4-5000



## ● 160ZDF5-8-10-5000



## ● 160ZDF12-15-16-20-25-5000



■ 法兰部位详细尺寸表 Detailed flange dimensions table (单位Unit: mm)

马达种类 Motor type	A	B	C	D	E	F	I
T1	145	M8深(depth)20	130	24	110	8	65
T2	145	M8深(depth)20	130	28	110	8	65
T3	145	M8深(depth)20	130	28	110	8	65

● T1~3的详细情况请参照P.188

● For details of T1~3, see 188 page.