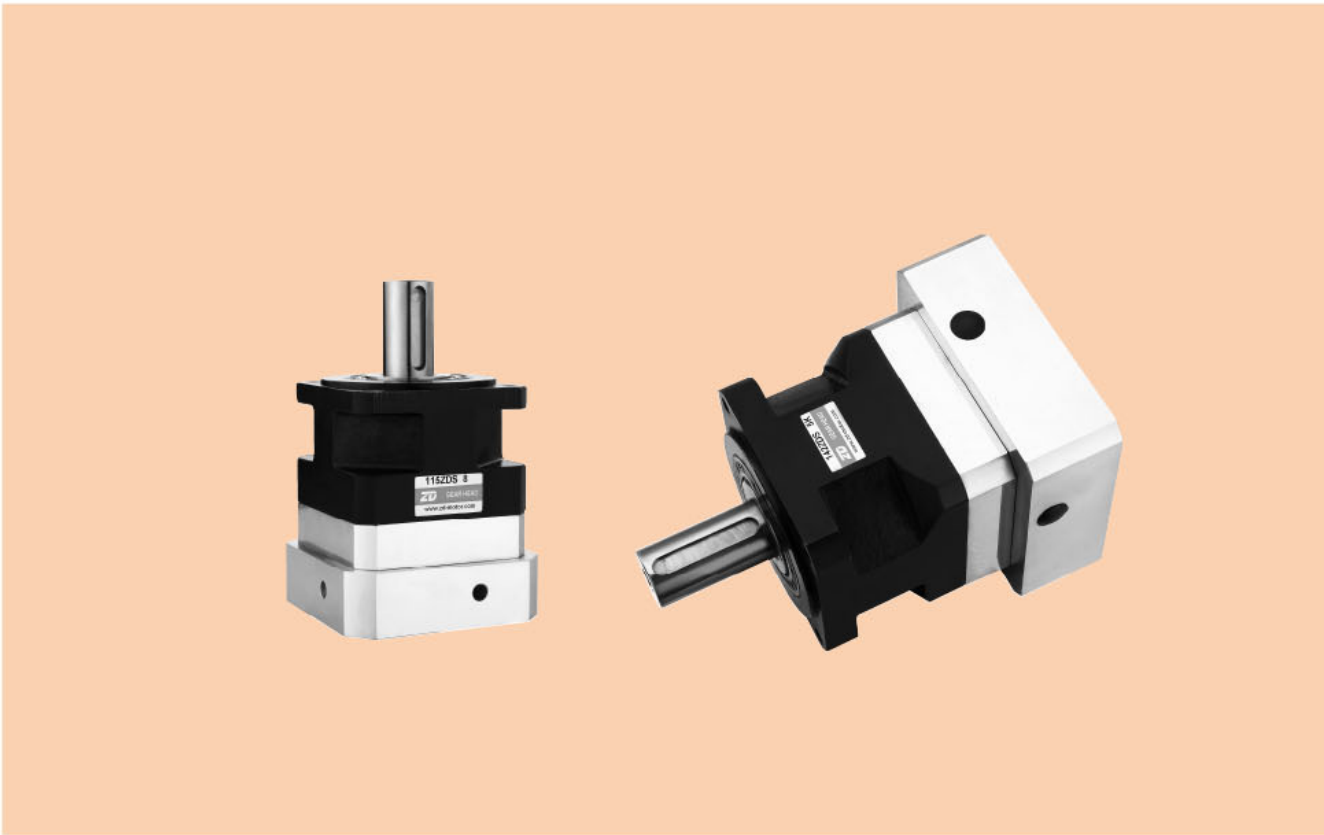


ZDS系列减速机
ZDS SERIES GEAR BOX



减速比、机座号 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								
		1/3	1/4	1/5	1/8	1/10	1/12	1/15	1/16	1/20	1/25	1/32	1/40	1/64	1/100
50W		70					70								70
100W															90
200W															115
400W															142
750W															190
1000W		90					90								190
1500W															
2000W															
2500W															
3000W															
3500W		90					115								190
4000W															
4500W															
4500W															
5000W															
		115					142								190
		142					190								190

■ 关于润滑油About lubricant

● 润滑：润滑脂 ● 更换：不可 ● Lubrication: grease ● Replacement: Not available

ZDS性能表 (输入转速为3,000rpm时)

ZDS 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. permis- sible 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)	($\times 10^{-4} \text{kg} \cdot \text{m}^2$)	(N·m)	(N·m)
1/3	70	ZDS	3	-50	1000	0.46	1.38	6000	3000	0.32	30	60
	70	ZDS	3	-100	1000	0.93	2.79	6000	3000	0.32	30	60
	70	ZDS	3	-200	1000	1.85	5.55	6000	3000	0.32	30	60
	70	ZDS	3	-400	1000	3.75	11.25	6000	3000	0.32	30	60
	70	ZDS	3	-750	1000	6.92	20.76	6000	3000	0.32	30	60
	70	ZDS	3	-1000	1000	9.16	27.48	6000	3000	0.32	30	60
	70	ZDS	3	-1500	1000	13.74	41.22	9000	4500	0.32	30	60
	70	ZDS	3	-2000	1000	18.35	55.05	9000	4500	0.32	30	60
	90	ZDS	3	-2500	1000	22.93	68.79	9000	4500	0.81	75	150
	90	ZDS	3	-3000	1000	27.51	82.53	9000	4500	0.81	75	150
	90	ZDS	3	-3500	1000	31.97	95.91	9000	4500	0.81	75	150
	90	ZDS	3	-4000	1000	36.58	109.74	12000	6000	0.81	75	150
1/4	70	ZDS	4	-50	750	0.62	1.86	6000	3000	0.2	40	80
	70	ZDS	4	-100	750	1.23	3.69	6000	3000	0.2	40	80
	70	ZDS	4	-200	750	2.46	7.38	6000	3000	0.2	40	80
	70	ZDS	4	-400	750	5.00	15.00	6000	3000	0.2	40	80
	70	ZDS	4	-750	750	9.22	27.66	6000	3000	0.2	40	80
	70	ZDS	4	-1000	750	12.22	36.66	6000	3000	0.2	40	80
	70	ZDS	4	-1500	750	18.32	54.96	6000	3000	0.2	40	80
	70	ZDS	4	-2000	750	24.47	73.41	6000	3000	0.2	40	80
	90	ZDS	4	-2500	750	30.57	91.71	9000	4500	0.6	100	200
	90	ZDS	4	-3000	750	36.68	110.04	9000	4500	0.6	100	200
	90	ZDS	4	-3500	750	42.63	127.89	9000	4500	0.6	100	200
	90	ZDS	4	-4000	750	48.77	146.31	9000	4500	0.6	100	200
1/5	70	ZDS	5	-50	600	0.77	2.31	6000	3000	0.16	50	100
	70	ZDS	5	-100	600	1.54	4.62	6000	3000	0.16	50	100
	70	ZDS	5	-200	600	3.08	9.24	6000	3000	0.16	50	100
	70	ZDS	5	-400	600	6.25	18.75	6000	3000	0.16	50	100
	70	ZDS	5	-750	600	11.53	34.59	6000	3000	0.16	50	100
	70	ZDS	5	-1000	600	15.27	45.81	6000	3000	0.16	50	100
	70	ZDS	5	-1500	600	22.90	68.70	6000	3000	0.16	50	100
	70	ZDS	5	-2000	600	30.58	91.74	6000	3000	0.16	50	100
	90	ZDS	5	-2500	600	38.21	114.63	9000	4500	0.52	110	220
	90	ZDS	5	-3000	600	45.85	137.55	9000	4500	0.52	110	220
	90	ZDS	5	-3500	600	53.29	159.87	9000	4500	0.52	110	220
	90	ZDS	5	-4000	600	60.97	182.91	9000	4500	0.52	110	220
1/8	70	ZDS	8	-50	375	1.23	3.69	6000	3000	0.12	37	74
	70	ZDS	8	-100	375	2.46	7.38	6000	3000	0.12	37	74
	70	ZDS	8	-200	375	4.92	14.76	6000	3000	0.12	37	74
	70	ZDS	8	-400	375	9.99	29.97	6000	3000	0.12	37	74
	70	ZDS	8	-750	375	18.44	55.32	6000	3000	0.12	37	74
	70	ZDS	8	-1000	375	24.43	73.29	6000	3000	0.12	37	74
	90	ZDS	8	-1500	375	36.64	109.92	9000	4500	0.46	62	124
	115	ZDS	8	-2000	375	48.93	146.79	12000	6000	1.05	148	296
	115	ZDS	8	-2500	375	61.14	183.42	12000	6000	1.05	148	296
	115	ZDS	8	-3000	375	73.35	220.05	12000	6000	1.05	148	296
	115	ZDS	8	-3500	375	85.25	255.75	12000	6000	1.05	148	296
	115	ZDS	8	-4000	375	97.54	292.62	12000	6000	1.05	148	296
1/8	142	ZDS	8	-4500	375	109.83	329.49	19000	9500	4.63	450	900
	142	ZDS	8	-5000	375	122.12	366.36	19000	9500	4.63	450	900

ZDS性能表 (输入转速为3,000rpm时)

ZDS 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. permis- sible 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)	($\times 10^{-4} \text{kg} \cdot \text{m}^2$)	(N·m)	(N·m)
1/10	70	ZDS	10	-50	300	1.54	4.62	6000	3000	0.1	27	54
	70	ZDS	10	-100	300	3.08	9.24	6000	3000	0.1	27	54
	70	ZDS	10	-200	300	6.15	18.45	6000	3000	0.1	27	54
	70	ZDS	10	-400	300	12.49	37.47	6000	3000	0.1	27	54
	90	ZDS	10	-750	300	23.05	69.15	9000	4500	0.44	45	90
	115	ZDS	10	-1000	300	30.53	91.59	12000	6000	1	125	250
	115	ZDS	10	-1500	300	45.80	137.40	12000	6000	1	125	250
	115	ZDS	10	-2000	300	61.16	183.48	12000	6000	1	125	250
	115	ZDS	10	-2500	300	76.42	229.26	12000	6000	1	125	250
	142	ZDS	10	-3000	300	91.69	275.07	19000	9500	4.25	305	610
	142	ZDS	10	-3500	300	106.57	319.71	19000	9500	4.25	305	610
	142	ZDS	10	-4000	300	121.93	365.79	19000	9500	4.25	305	610
1/12	70	ZDS	12	-50	250	1.81	5.44	6000	3000	0.22	68	136
	70	ZDS	12	-100	250	3.62	10.86	6000	3000	0.22	68	136
	70	ZDS	12	-200	250	7.23	21.69	6000	3000	0.22	68	136
	70	ZDS	12	-400	250	14.67	44.02	6000	3000	0.22	68	136
	70	ZDS	12	-750	250	27.08	81.25	6000	3000	0.22	68	136
	70	ZDS	12	-1000	250	35.88	107.64	6000	3000	0.22	68	136
	90	ZDS	12	-1500	250	53.82	161.45	9000	4500	0.75	110	220
	90	ZDS	12	-2000	250	71.86	215.59	9000	4500	0.75	110	220
	115	ZDS	12	-2500	250	89.80	269.40	12000	6000	2	210	420
	115	ZDS	12	-3000	250	107.73	323.20	12000	6000	2	210	420
	115	ZDS	12	-3500	250	125.22	375.65	12000	6000	2	210	420
	142	ZDS	12	-4000	250	143.27	429.80	19000	9500	12.37	450	900
1/15	70	ZDS	15	-50	200	2.27	6.80	6000	3000	0.21	68	136
	70	ZDS	15	-100	200	4.52	13.57	6000	3000	0.21	68	136
	70	ZDS	15	-200	200	9.03	27.10	6000	3000	0.21	68	136
	70	ZDS	15	-400	200	18.34	55.02	6000	3000	0.21	68	136
	70	ZDS	15	-750	200	33.85	101.55	6000	3000	0.21	68	136
	70	ZDS	15	-1000	200	44.85	134.54	6000	3000	0.21	68	136
	90	ZDS	15	-1500	200	67.27	200.00	9000	4500	0.74	110	220
	115	ZDS	15	-2000	200	89.83	269.48	12000	6000	2	210	420
	115	ZDS	15	-2500	200	112.25	336.74	12000	6000	2	210	420
	115	ZDS	15	-3000	200	134.67	404.00	12000	6000	2	210	420
	142	ZDS	15	-3500	200	156.52	469.56	19000	9500	12.35	450	900
	142	ZDS	15	-4000	200	179.08	537.24	19000	9500	12.35	450	900
1/16	70	ZDS	16	-50	187.5	2.42	7.25	6000	3000	0.2	77	154
	70	ZDS	16	-100	187.5	4.82	14.47	6000	3000	0.2	77	154
	70	ZDS	16	-200	187.5	9.64	28.91	6000	3000	0.2	77	154
	70	ZDS	16	-400	187.5	19.56	58.69	6000	3000	0.2	77	154
	70	ZDS	16	-750	187.5	36.11	108.32	6000	3000	0.2	77	154
	70	ZDS	16	-1000	187.5	47.84	143.51	6000	3000	0.2	77	154
	90	ZDS	16	-1500	187.5	71.75	215.25	9000	4500	0.56	120	240
	115	ZDS	16	-2000	187.5	95.81	287.44	12000	6000	1.48	260	520
	115	ZDS	16	-2500	187.5	119.73	359.19	12000	6000	1.48	260	520
	115	ZDS	16	-3000	187.5	143.64	430.93	12000	6000	1.48	260	520
	115	ZDS	16	-3500	187.5	166.95	500.86	12000	6000	1.48	260	520
	142	ZDS	16	-4000	187.5	191.02	573.05	19000	9500	7.47	910	1820
1/16	142	ZDS	16	-4500	187.5	215.08	645.25	19000	9500	7.47	910	1820
	142	ZDS	16	-5000	187.5	239.15	717.44	19000	9500	7.47	910	1820

ZDS性能表 (输入转速为3,000rpm时)

ZDS 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. permis- sible 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 ⁻⁴ kg·m ²)	(N·m)	(N·m)
1/20	70	ZDS	20	-50	150	3.02	9.05	6000	3000	0.17	77	154
	70	ZDS	20	-100	150	6.03	18.08	6000	3000	0.17	77	154
	70	ZDS	20	-200	150	12.04	36.13	6000	3000	0.17	77	154
	70	ZDS	20	-400	150	24.45	73.35	6000	3000	0.17	77	154
	70	ZDS	20	-750	150	45.13	135.39	6000	3000	0.17	77	154
	90	ZDS	20	-1000	150	59.79	179.38	9000	4500	0.5	110	220
	115	ZDS	20	-1500	150	89.69	269.06	12000	6000	1.41	260	520
	115	ZDS	20	-2000	150	119.77	359.30	12000	6000	1.41	260	520
	115	ZDS	20	-2500	150	149.66	448.97	12000	6000	1.41	260	520
	142	ZDS	20	-3000	150	179.55	538.65	19000	9500	6.65	910	1820
	142	ZDS	20	-3500	150	208.69	626.07	19000	9500	6.65	910	1820
	142	ZDS	20	-4000	150	238.77	716.31	19000	9500	6.65	910	1820
1/25	70	ZDS	25	-50	120	3.77	11.31	6000	3000	0.16	68	136
	70	ZDS	25	-100	120	7.53	22.59	6000	3000	0.16	68	136
	70	ZDS	25	-200	120	15.05	45.15	6000	3000	0.16	68	136
	70	ZDS	25	-400	120	30.56	91.68	6000	3000	0.16	68	136
	90	ZDS	25	-750	120	56.41	169.23	9000	4500	0.48	110	220
	115	ZDS	25	-1000	120	74.74	224.22	12000	6000	1.21	210	420
	115	ZDS	25	-1500	120	112.11	336.32	12000	6000	1.21	210	420
	142	ZDS	25	-2000	120	149.71	449.12	19000	9500	5.81	780	1560
	142	ZDS	25	-2500	120	187.07	561.21	19000	9500	5.81	780	1560
	142	ZDS	25	-3000	120	224.44	673.31	19000	9500	5.81	780	1560
	142	ZDS	25	-3500	120	260.86	782.58	19000	9500	5.81	780	1560
	142	ZDS	25	-4000	120	298.46	895.38	19000	9500	5.81	780	1560
1/32	70	ZDS	32	-50	93.75	4.82	14.47	6000	3000	0.13	77	154
	70	ZDS	32	-100	93.75	9.64	28.91	6000	3000	0.13	77	154
	70	ZDS	32	-200	93.75	19.26	57.78	6000	3000	0.13	77	154
	70	ZDS	32	-400	93.75	39.11	117.34	6000	3000	0.13	77	154
	90	ZDS	32	-750	93.75	72.20	216.61	9000	4500	0.45	120	240
	115	ZDS	32	-1000	93.75	95.66	286.99	12000	6000	1.05	260	520
	115	ZDS	32	-1500	93.75	143.49	430.47	12000	6000	1.05	260	520
	142	ZDS	32	-2000	93.75	191.62	574.86	19000	9500	5.36	910	1820
	142	ZDS	32	-2500	93.75	239.45	718.34	19000	9500	5.36	910	1820
	142	ZDS	32	-3000	93.75	287.27	861.82	19000	9500	5.36	910	1820
	142	ZDS	32	-3500	93.75	333.90	1001.69	19000	9500	5.36	910	1820
	142	ZDS	32	-4000	93.75	382.03	1146.08	19000	9500	5.36	910	1820
1/40	70	ZDS	40	-50	75	6.03	18.08	6000	3000	0.13	68	136
	70	ZDS	40	-100	75	12.04	36.00	6000	3000	0.13	68	136
	70	ZDS	40	-200	75	24.07	72.22	6000	3000	0.13	68	136
	90	ZDS	40	-400	75	48.89	146.67	9000	4500	0.45	110	220
	115	ZDS	40	-750	75	90.25	270.75	12000	6000	1.05	210	420
	115	ZDS	40	-1000	75	119.58	358.73	12000	6000	1.05	210	420
	142	ZDS	40	-1500	75	179.36	538.09	19000	9500	5.28	780	1560
	142	ZDS	40	-2000	75	239.52	718.57	19000	9500	5.28	780	1560
	142	ZDS	40	-2500	75	299.31	897.92	19000	9500	5.28	780	1560
	142	ZDS	40	-3000	75	359.09	1077.27	19000	9500	5.28	780	1560
	142	ZDS	40	-3500	75	417.37	1252.11	19000	9500	5.28	780	1560
	142	ZDS	40	-4000	75	477.53	1432.59	19000	9500	5.28	780	1560
1/50	190	ZDS	50	-5000	75	537.69	1613.07	28000	14000	16.54	1800	3600
	190	ZDS	50	-5000	75	597.85	1793.55	28000	14000	16.54	1800	3600

ZDS性能表 (输入转速为3,000rpm时)

ZDS 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)	($\times 10^{-4} \text{kg} \cdot \text{m}^2$)	(N·m)	(N·m)
1/64	70	ZDS	64	-50	46.875	9.64	28.91	6000	3000	0.13	37	74
	70	ZDS	64	-100	46.875	19.26	57.78	6000	3000	0.13	37	74
	90	ZDS	64	-200	46.875	38.51	115.54	9000	4500	0.45	62	124
	115	ZDS	64	-400	46.875	78.22	234.65	12000	6000	1.05	148	296
	142	ZDS	64	-750	46.875	144.39	433.18	19000	9500	4.5	450	900
	142	ZDS	64	-1000	46.875	191.32	573.96	19000	9500	4.5	450	900
	142	ZDS	64	-1500	46.875	286.97	860.92	19000	9500	4.5	450	900
	190	ZDS	64	-2000	46.875	383.23	1149.69	28000	14000	16.45	1000	2000
	190	ZDS	64	-2500	46.875	478.88	1436.65	28000	14000	16.45	1000	2000
	190	ZDS	64	-3000	46.875	574.54	1723.61	28000	14000	16.45	1000	2000
	190	ZDS	64	-3500	46.875	667.79	2003.36	28000	14000	16.45	1000	2000
1/100	70	ZDS	100	-50	30	14.41	43.23	6000	3000	0.12	27	54
	90	ZDS	100	-100	30	28.81	86.43	9000	4500	0.44	45	90
	115	ZDS	100	-200	30	57.61	172.83	12000	6000	1	125	250
	142	ZDS	100	-400	30	117.01	351.03	19000	9500	4.17	305	610
	190	ZDS	100	-750	30	225.61	676.83	28000	14000	15.07	630	1260
	190	ZDS	100	-1000	30	298.93	896.79	28000	14000	15.07	630	1260

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.

ZDS 50W 尺寸图与性能表

ZDS 50W DIMENSIONAL DRAWING & PERFORMANCE TABLE

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

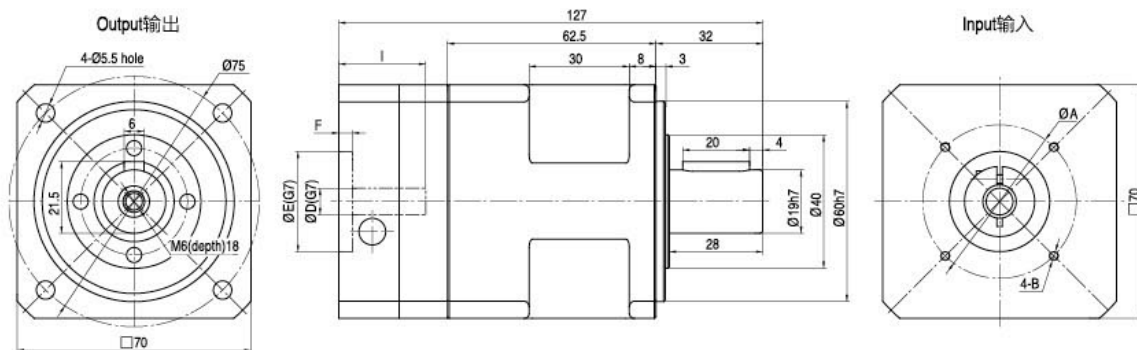
额定输入 马达功率 Rated input motor	减速比 Reduction ratio	型号 Type				输出轴 转速 Output shaft speed (rpm)	额定输出 扭矩 Standard output torque (N·m)	瞬间最大 输出扭矩 Instantaneous max. output torque (N·m)	容许径向 负荷 Permissible radial load (N)	容许轴向 负荷 Permissible axial load (N)	输入轴换算 内部惯性力矩 Internal moment of inertia of input shaft conversion ($\times 10^{-4} \text{kg} \cdot \text{m}^2$)	容许输出 扭矩 Permissible output torque (N·m)	瞬间最大容 许输出扭矩 Instantaneous max. permis- sible output torque (N·m)
		机座号 Type no.	系列号 Model	减速比 Reduction ratio	马达功率 Motor								
50W	1/3	70	ZDS	3	-50	1000	0.46	1.38	6000	3000	0.32	30	60
	1/4	70	ZDS	4	-50	750	0.62	1.86	6000	3000	0.2	40	80
	1/5	70	ZDS	5	-50	600	0.77	2.31	6000	3000	0.16	50	100
	1/8	70	ZDS	8	-50	375	1.23	3.69	6000	3000	0.12	37	74
	1/10	70	ZDS	10	-50	300	1.54	4.62	6000	3000	0.1	27	54
	1/12	70	ZDS	12	-50	250	1.81	5.44	6000	3000	0.22	68	136
	1/15	70	ZDS	15	-50	200	2.27	6.80	6000	3000	0.21	68	136
	1/16	70	ZDS	16	-50	187.5	2.42	7.25	6000	3000	0.2	77	154
	1/20	70	ZDS	20	-50	150	3.02	9.05	6000	3000	0.17	77	154
	1/25	70	ZDS	25	-50	120	3.77	11.31	6000	3000	0.16	68	136
	1/32	70	ZDS	32	-50	93.75	4.82	14.47	6000	3000	0.13	77	154
	1/40	70	ZDS	40	-50	75	6.03	18.08	6000	3000	0.13	68	136
	1/64	70	ZDS	64	-50	46.875	9.64	28.91	6000	3000	0.13	37	74
	1/100	70	ZDS	100	-50	30	14.41	43.23	6000	3000	0.12	27	54

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。

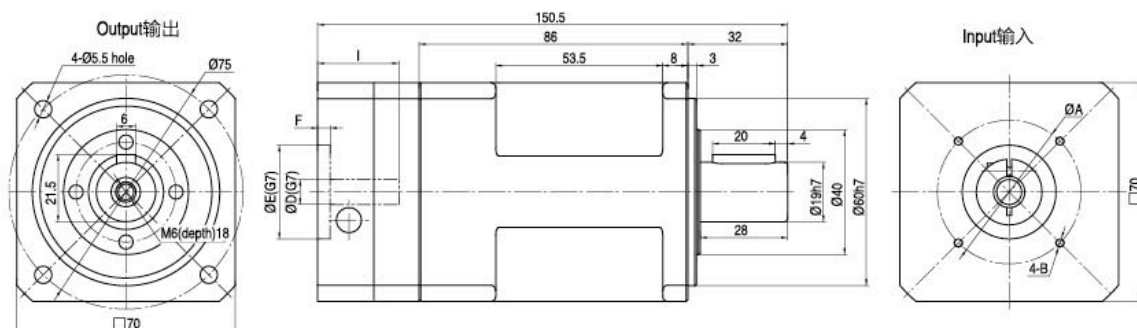
Note 1) In case of attachment to a motor beyond the standard models(motor matching series), contact us.(How to measure dimensions of the flange may be changed in some cases.)
 Note 2) The moment of inertia of input shaft conversion is only gained from the reducer, so it does not include moment of inertia 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.

■ 尺寸图 Dimensional Drawing

● 70ZDS3-4-5-8-10-50



● 70ZDS12-15-16-20-25-32-40-64-100-50



■ 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.

ZDS 100W 尺寸图与性能表

ZDS 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 (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 ⁻⁴ kg·m ²)	容许输出 扭矩 Permissible output torque (N·m)	瞬间最大容 许输出扭矩 Instantaneous max. permis- sible output torque (N·m)
		机座号 Type no.	系列号 Model	减速比 Reduction ratio	马达功率 Motor								
100W	1/3	70	ZDS	3	-100	1000	0.93	2.79	6000	3000	0.32	30	60
	1/4	70	ZDS	4	-100	750	1.23	3.69	6000	3000	0.2	40	80
	1/5	70	ZDS	5	-100	600	1.54	4.62	6000	3000	0.16	50	100
	1/8	70	ZDS	8	-100	375	2.46	7.38	6000	3000	0.12	37	74
	1/10	70	ZDS	10	-100	300	3.08	9.24	6000	3000	0.1	27	54
	1/12	70	ZDS	12	-100	250	3.62	10.86	6000	3000	0.22	68	136
	1/15	70	ZDS	15	-100	200	4.52	13.57	6000	3000	0.21	68	136
	1/16	70	ZDS	16	-100	187.5	4.82	14.47	6000	3000	0.2	77	154
	1/20	70	ZDS	20	-100	150	6.03	18.08	6000	3000	0.17	77	154
	1/25	70	ZDS	25	-100	120	7.53	22.59	6000	3000	0.16	68	136
	1/32	70	ZDS	32	-100	93.75	9.64	28.91	6000	3000	0.13	77	154
	1/40	70	ZDS	40	-100	75	12.04	36.00	6000	3000	0.13	68	136
	1/64	70	ZDS	64	-100	46.875	19.26	57.78	6000	3000	0.13	37	74
	1/100	90	ZDS	100	-100	30	28.81	86.43	9000	4500	0.44	45	90

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.

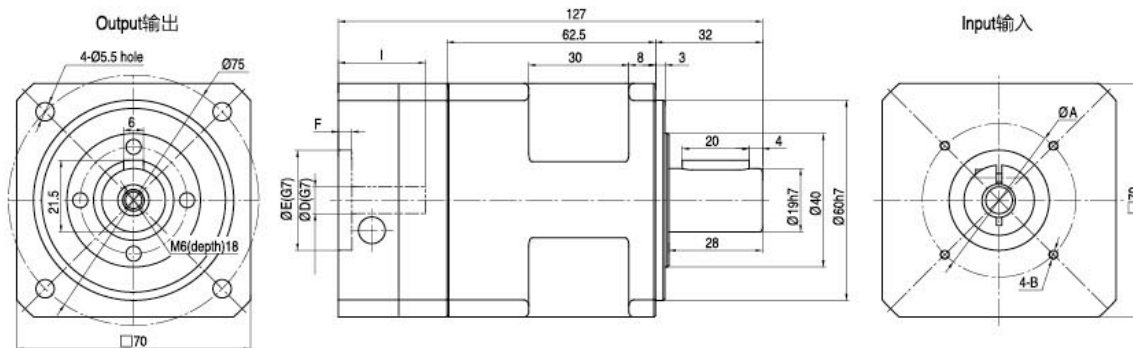
Note 4) The permissible radial load is indicated on the center of the output shaft.

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

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

■ 尺寸图 Dimensional Drawing

● 70ZDS3-4-5-8-10-100



■ 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

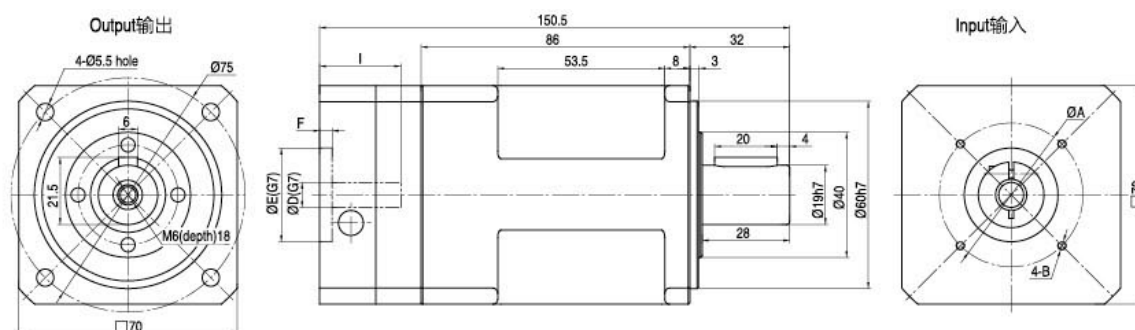
● For details of T1~3, see 188 page.

ZDS 100W 尺寸图与性能表

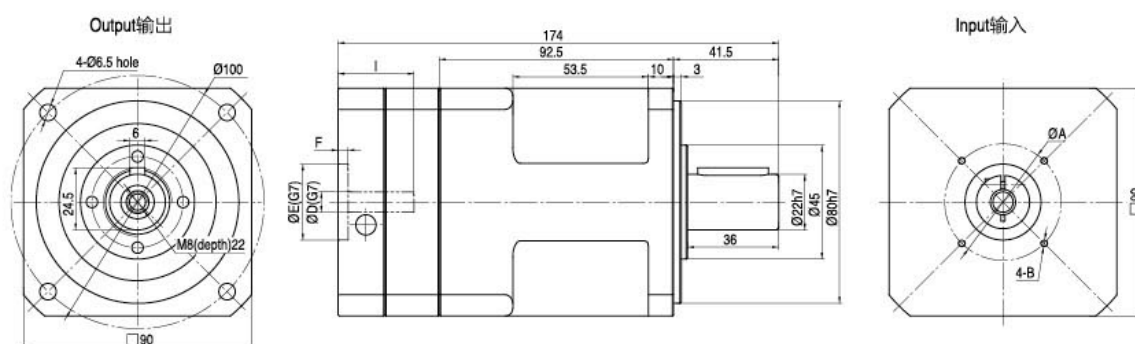
ZDS 100W DIMENSIONAL DRAWING & PERFORMANCE TABLE

■ 尺寸图 Dimensional Drawing

● 70ZDS12-15-16-20-25-32-40-64-100



● 90ZDS100-100



■ 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.

ZDS 200W 尺寸图与性能表

ZDS 200W 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 ⁻⁴ kg·m ²)	容许输出 扭矩 Permissible output torque (N·m)	瞬间最大容 许输出扭矩 Instantaneous max. permis- sible output torque (N·m)
		机座号 Type no.	系列号 Model	减速比 Reduction ratio	马达功率 Motor								
200W	1/3	70	ZDS	3	-200	1000	1.85	5.55	6000	3000	0.32	30	60
	1/4	70	ZDS	4	-200	750	2.46	7.38	6000	3000	0.2	40	80
	1/5	70	ZDS	5	-200	600	3.08	9.24	6000	3000	0.16	50	100
	1/8	70	ZDS	8	-200	375	4.92	14.76	6000	3000	0.12	37	74
	1/10	70	ZDS	10	-200	300	6.15	18.45	6000	3000	0.1	27	54
	1/12	70	ZDS	12	-200	250	7.23	21.69	6000	3000	0.22	68	136
	1/15	70	ZDS	15	-200	200	9.03	27.10	6000	3000	0.21	68	136
	1/16	70	ZDS	16	-200	187.5	9.64	28.91	6000	3000	0.2	77	154
	1/20	70	ZDS	20	-200	150	12.04	36.13	6000	3000	0.17	77	154
	1/25	70	ZDS	25	-200	120	15.05	45.15	6000	3000	0.16	68	136
	1/32	70	ZDS	32	-200	93.75	19.26	57.78	6000	3000	0.13	77	154
	1/40	70	ZDS	40	-200	75	24.07	72.22	6000	3000	0.13	68	136
	1/64	90	ZDS	64	-200	46.875	38.51	115.54	9000	4500	0.45	62	124
	1/100	115	ZDS	100	-200	30	57.61	172.83	12000	6000	1	125	250

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.

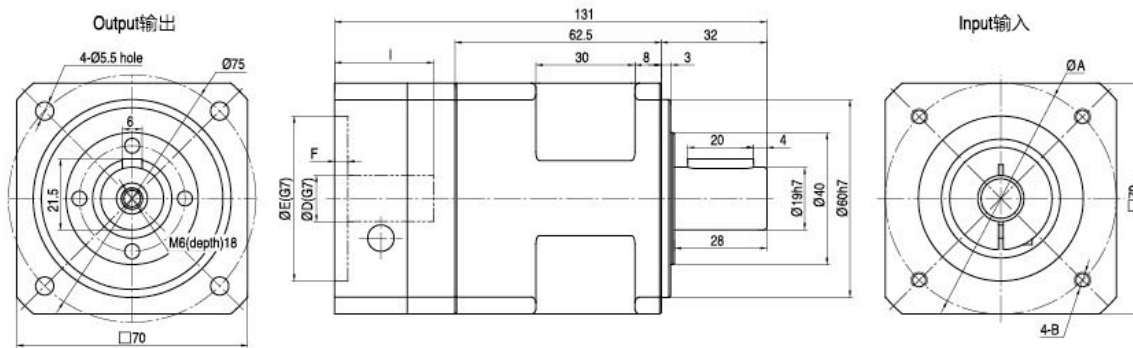
Note 4) The permissible radial load is indicated on the center of the output shaft.

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

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

■ 尺寸图 Dimensional Drawing

● 70ZDS3-4-5-8-10-200



■ 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

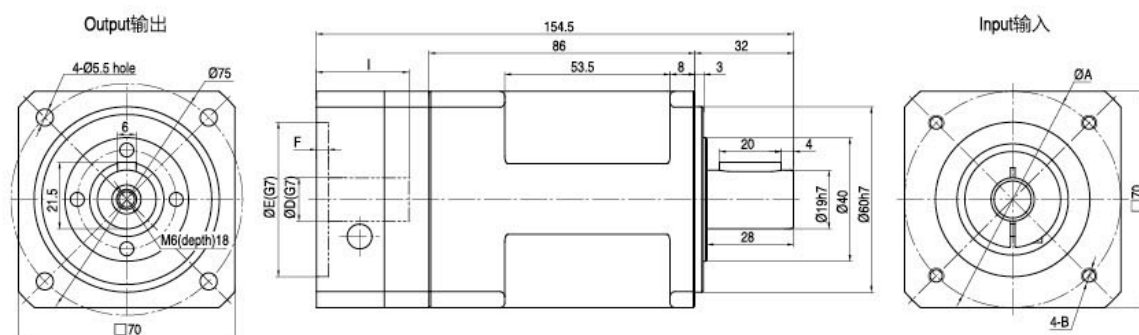
● For details of T1~3, see 188 page.

ZDS 200W 尺寸图与性能表

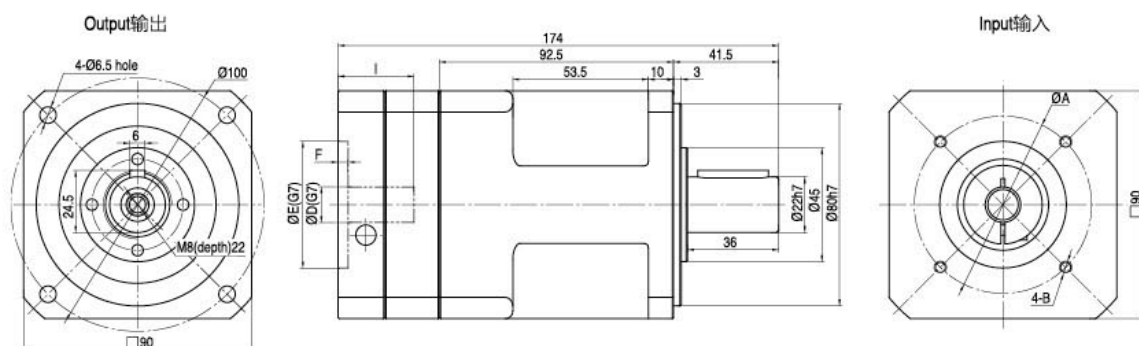
ZDS 200W DIMENSIONAL DRAWING & PERFORMANCE TABLE

■ 尺寸图 Dimensional Drawing

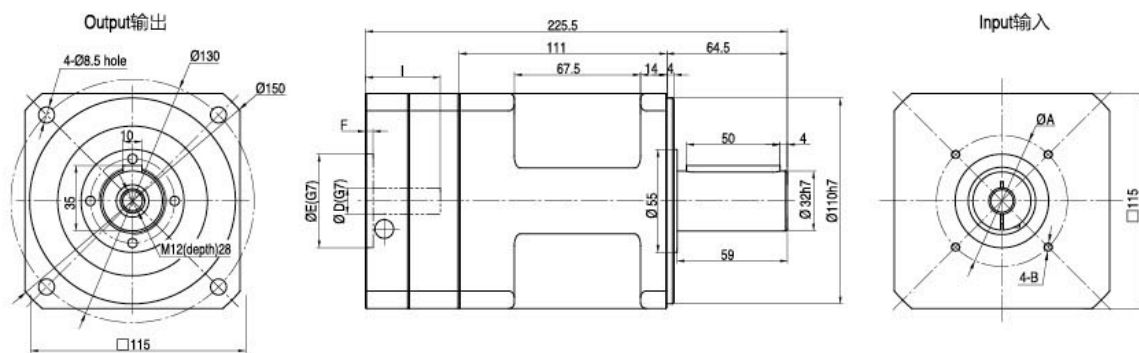
● 70ZDS12-15-16-20-25-32-40-200



● 90ZDS64-200



● 115ZDS100-200



■ 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.

ZDS 400W 尺寸图与性能表

ZDS400W 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 ⁻⁴ kg·m ²)	容许输出 扭矩 Permissible output torque (N·m)	瞬间最大容 许输出扭矩 Instantaneous max. permis- sible output torque (N·m)
		机座号 Type no.	系列号 Model	减速比 Reduction ratio	马达功率 Motor								
400W	1/3	70	ZDS	3	-400	1000	3.75	11.25	6000	3000	0.32	30	60
	1/4	70	ZDS	4	-400	750	5.00	15.00	6000	3000	0.2	40	80
	1/5	70	ZDS	5	-400	600	6.25	18.75	6000	3000	0.16	50	100
	1/8	70	ZDS	8	-400	375	9.99	29.97	6000	3000	0.12	37	74
	1/10	70	ZDS	10	-400	300	12.49	37.47	6000	3000	0.1	27	54
	1/12	70	ZDS	12	-400	250	14.67	44.02	6000	3000	0.22	68	136
	1/15	70	ZDS	15	-400	200	18.34	55.02	6000	3000	0.21	68	136
	1/16	70	ZDS	16	-400	187.5	19.56	58.69	6000	3000	0.2	77	154
	1/20	70	ZDS	20	-400	150	24.45	73.35	6000	3000	0.17	77	154
	1/25	70	ZDS	25	-400	120	30.56	91.68	6000	3000	0.16	68	136
	1/32	70	ZDS	32	-400	93.75	39.11	117.34	6000	3000	0.13	77	154
	1/40	90	ZDS	40	-400	75	48.89	146.67	9000	4500	0.45	110	220
	1/64	115	ZDS	64	-400	46.875	78.22	234.65	12000	6000	1.05	148	296
	1/100	142	ZDS	100	-400	30	117.01	351.03	19000	9500	4.17	305	610

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考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.

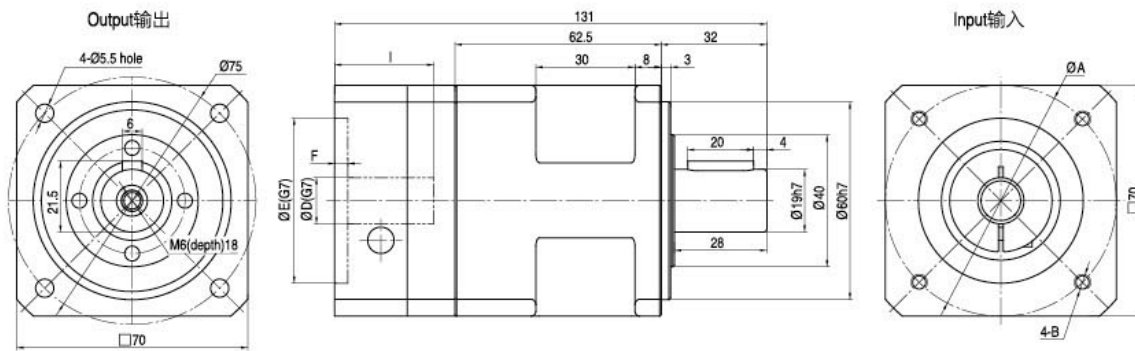
Note 4) The permissible radial load is indicated on the center of the output shaft.

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

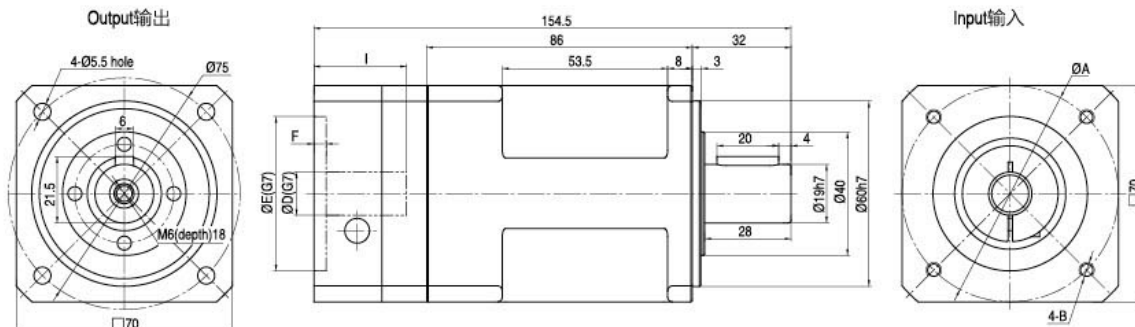
Note 6) Rotation of the output shaft is in the same direction as motor.

■ 尺寸图 Dimensional Drawing

● 70ZDS3-4-5-8-10-400



● 70ZDS12-15-16-20-25-32-400



■ 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的详细情况请参考P.188

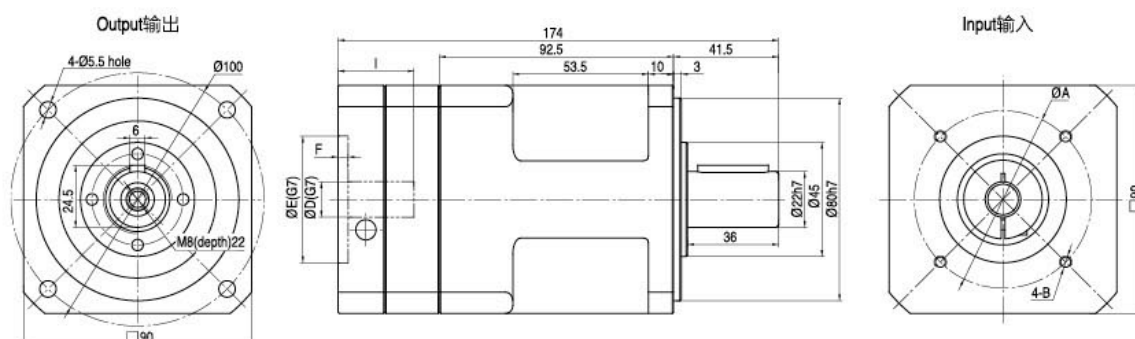
● For details of T1~3, see 188 page.

ZDS 400W 尺寸图与性能表

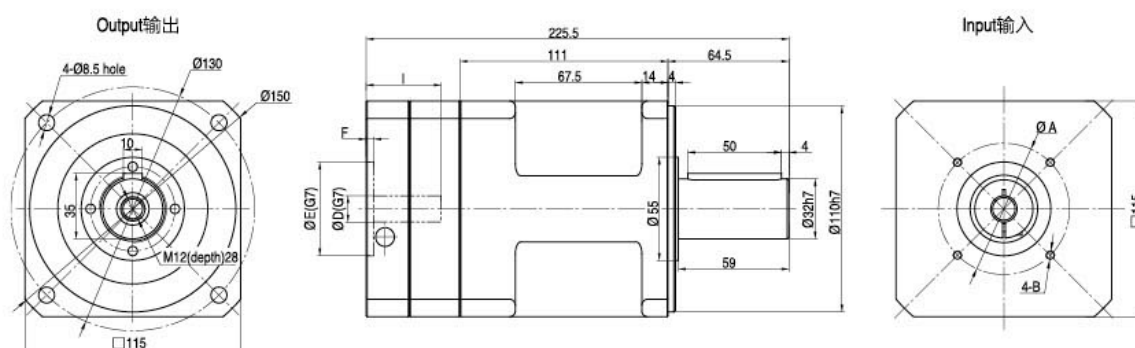
ZDS 400W DIMENSIONAL DRAWING & PERFORMANCE TABLE

■ 尺寸图 Dimensional Drawing

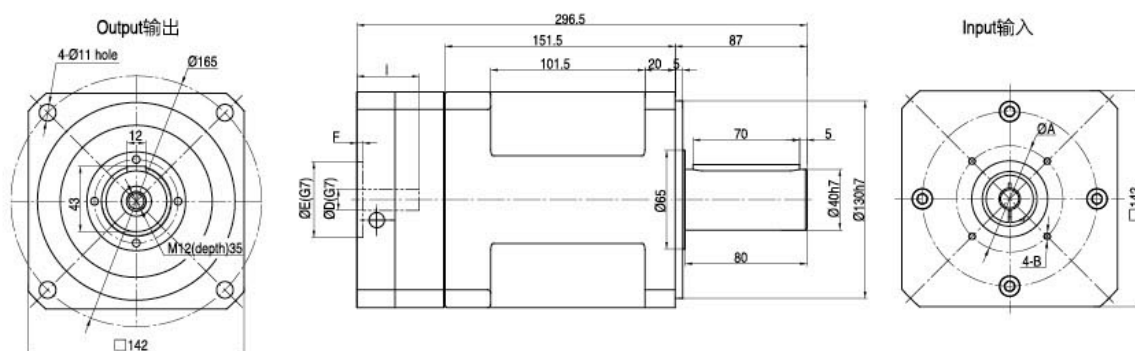
● 90ZDS40-400



● 115ZDS64-400



● 142ZDS100-400



■ 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的详细情况请参考P.188

● For details of T1~3, see 188 page.

ZDS 750W 尺寸图与性能表

ZDS 750W 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 ⁻⁴ kg·m ²)	容许输出 扭矩 Permissible output torque (N·m)	瞬间最大容 许输出扭矩 Instantaneous max. permis- sible output torque (N·m)
		机座号 Type no.	系列号 Model	减速比 Reduction ratio	马达功率 Motor								
750W	1/3	70	ZDS	3	-750	1000	6.92	20.76	6000	3000	0.32	30	60
	1/4	70	ZDS	4	-750	750	9.22	27.66	6000	3000	0.2	40	80
	1/5	70	ZDS	5	-750	600	11.53	34.59	6000	3000	0.16	50	100
	1/8	70	ZDS	8	-750	375	18.44	55.32	6000	3000	0.12	37	74
	1/10	90	ZDS	10	-750	300	23.05	69.15	9000	4500	0.44	45	90
	1/12	70	ZDS	12	-750	250	27.08	81.25	6000	3000	0.22	68	136
	1/15	70	ZDS	15	-750	200	33.85	101.55	6000	3000	0.21	68	136
	1/16	70	ZDS	16	-750	187.5	36.11	108.32	6000	3000	0.2	77	154
	1/20	70	ZDS	20	-750	150	45.13	135.39	6000	3000	0.17	77	154
	1/25	90	ZDS	25	-750	120	56.41	169.23	9000	4500	0.48	110	220
	1/32	90	ZDS	32	-750	93.75	72.20	216.61	9000	4500	0.45	120	240
	1/40	115	ZDS	40	-750	75	90.25	270.75	12000	6000	1.05	210	420
	1/64	142	ZDS	64	-750	46.875	144.39	433.18	19000	9500	4.5	450	900
	1/100	190	ZDS	100	-750	30	225.61	676.83	28000	14000	15.07	630	1260

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.

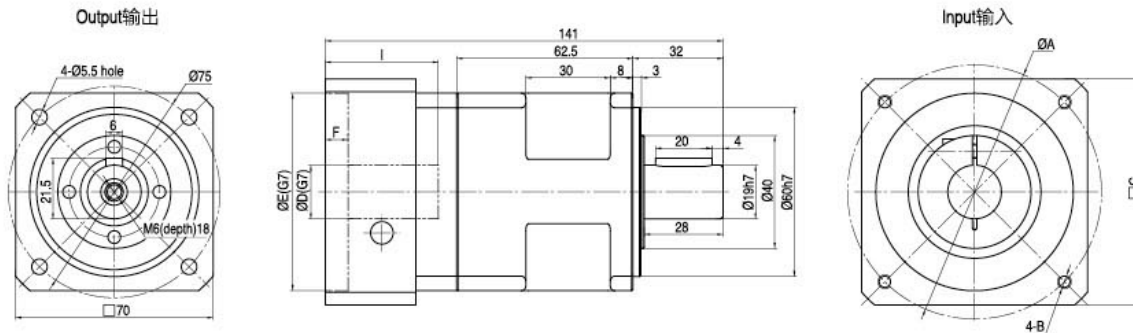
Note 4) The permissible radial load is indicated on the center of the output shaft.

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

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

■ 尺寸图 Dimensional Drawing

● 70ZDS3·4·5·8-750



■ 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	16	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

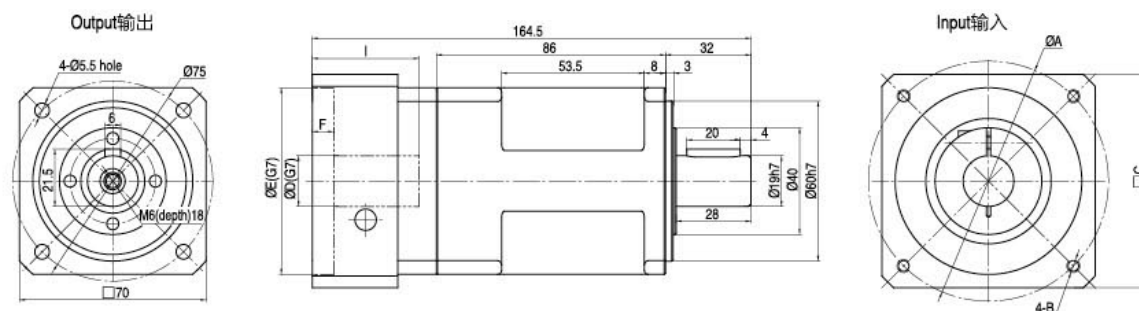
● For details of T1~3, see 188 page.

ZDS 750W 尺寸图与性能表

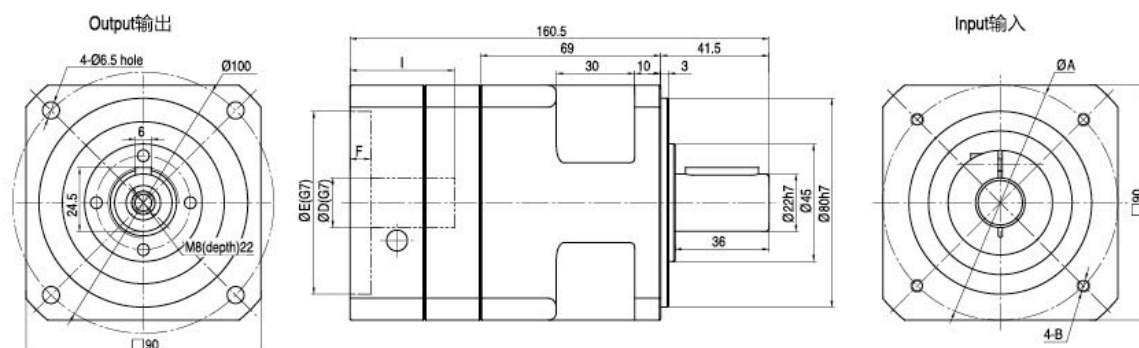
ZDS 750W DIMENSIONAL DRAWING & PERFORMANCE TABLE

■ 尺寸图 Dimensional Drawing

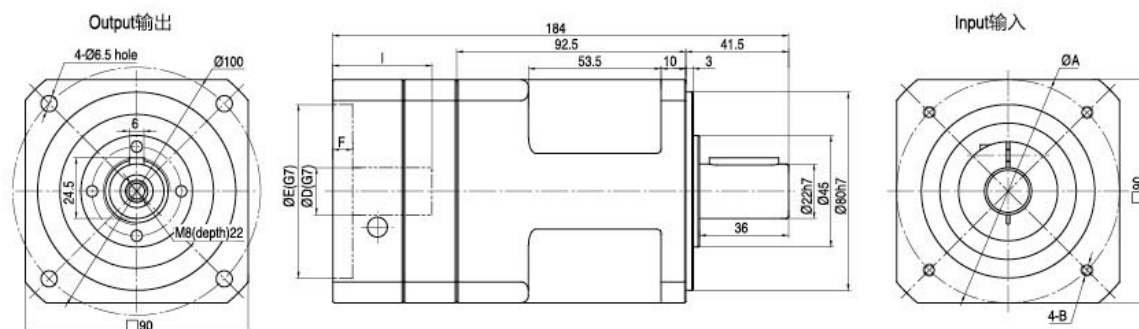
● 70ZDS12-15-16-20-750



● 90ZDS10-750



● 90ZDS25-32-750



■ 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	16	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

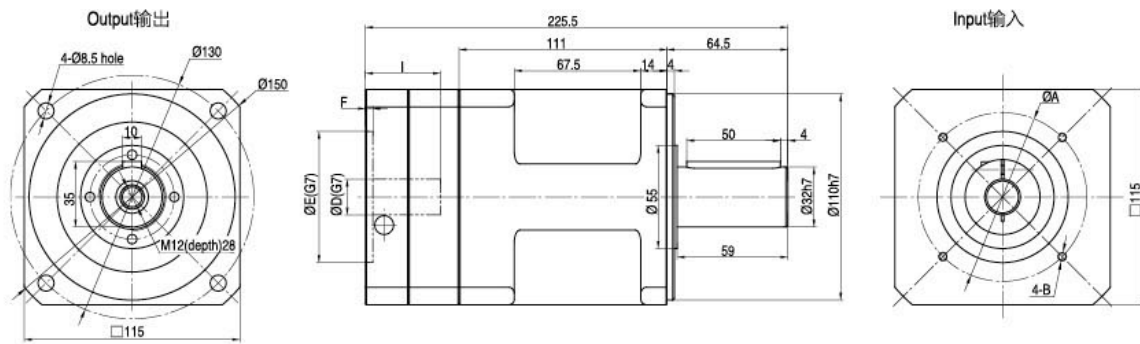
● For details of T1~3, see 188 page.

ZDS 750W 尺寸图与性能表

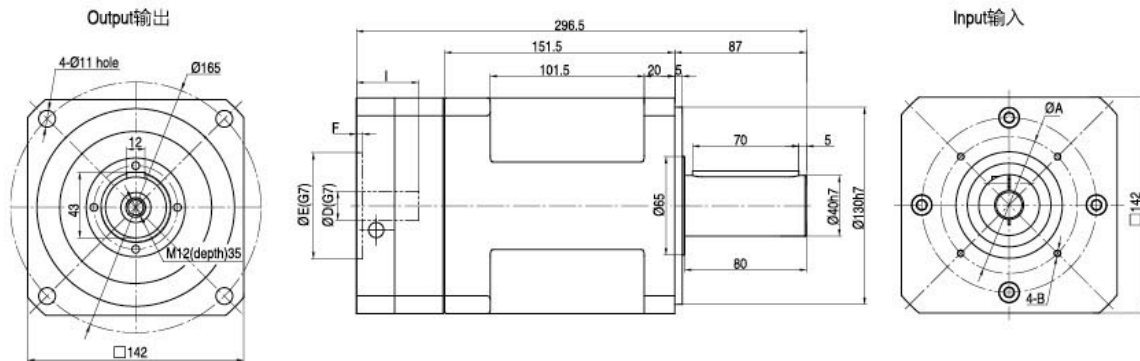
ZDS 750W DIMENSIONAL DRAWING & PERFORMANCE TABLE

■ 尺寸图 Dimensional Drawing

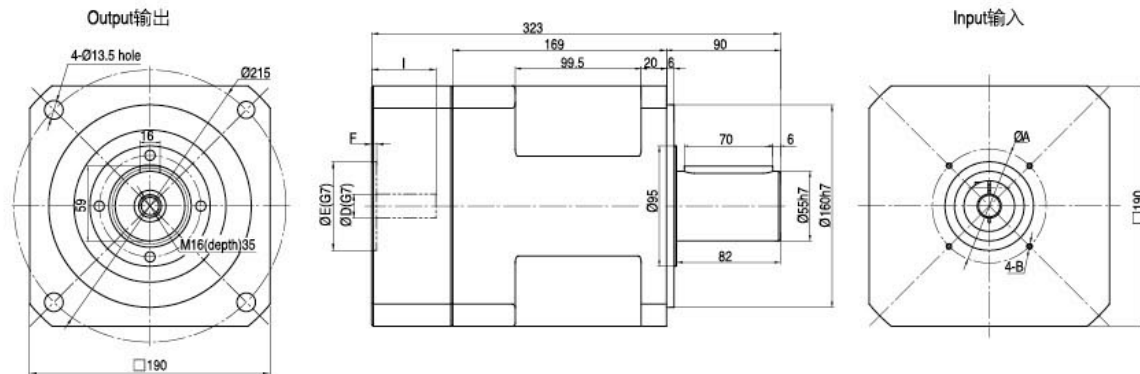
● 115ZDS40-750



● 142ZDS64-750



● 190ZDS100-750



■ 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	16	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.

ZDS 1000W 尺寸图与性能表

ZDS 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 (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 ($\times 10^{-4} \text{kg} \cdot \text{m}^2$)	容许输出 扭矩 Permissible output torque (N·m)	瞬间最大容 许输出扭矩 Instantaneous max. permis- sible output torque (N·m)
		机座号 Type no.	系列号 Model	减速比 Reduction ratio	马达功率 Motor								
1000W	1/3	70	ZDS	3	-1000	1000	9.16	27.48	6000	3000	0.32	30	60
	1/4	70	ZDS	4	-1000	750	12.22	36.66	6000	3000	0.2	40	80
	1/5	70	ZDS	5	-1000	600	15.27	45.81	6000	3000	0.16	50	100
	1/8	70	ZDS	8	-1000	375	24.43	73.29	6000	3000	0.12	37	74
	1/10	115	ZDS	10	-1000	300	30.53	91.59	12000	6000	1	125	250
	1/12	70	ZDS	12	-1000	250	35.88	107.64	6000	3000	0.22	68	136
	1/15	70	ZDS	15	-1000	200	44.85	134.54	6000	3000	0.21	68	136
	1/16	70	ZDS	16	-1000	187.5	47.84	143.51	6000	3000	0.2	77	154
	1/20	90	ZDS	20	-1000	150	59.79	179.38	9000	4500	0.5	110	220
	1/25	115	ZDS	25	-1000	120	74.74	224.22	12000	6000	1.21	210	420
	1/32	115	ZDS	32	-1000	93.75	95.66	286.99	12000	6000	1.05	260	520
	1/40	115	ZDS	40	-1000	75	119.58	358.73	12000	6000	1.05	210	420
	1/64	142	ZDS	64	-1000	46.875	191.32	573.96	19000	9500	4.5	450	900
	1/100	190	ZDS	100	-1000	30	298.93	896.79	28000	14000	15.07	630	1260

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.

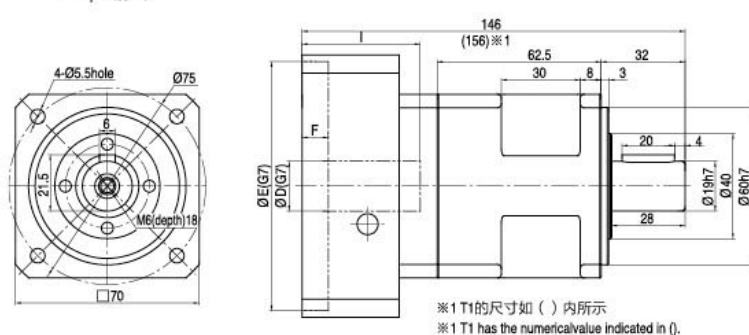
Note 5) For motor assembly procedure, see 190 page.

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

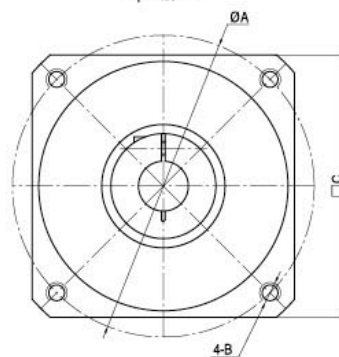
■ 尺寸图 Dimensional Drawing

● 70ZDS3-4-5-8-1000

Output输出



Input输入



■ 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

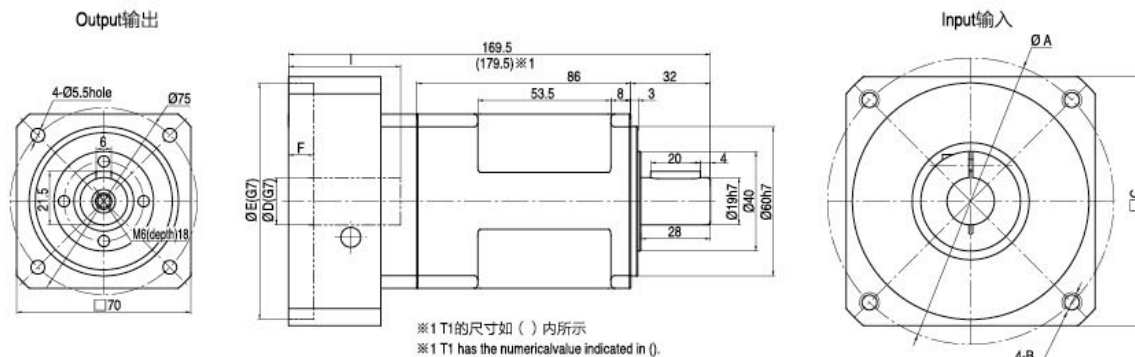
● For details of T1~3, see 188 page.

ZDS 1000W 尺寸图与性能表

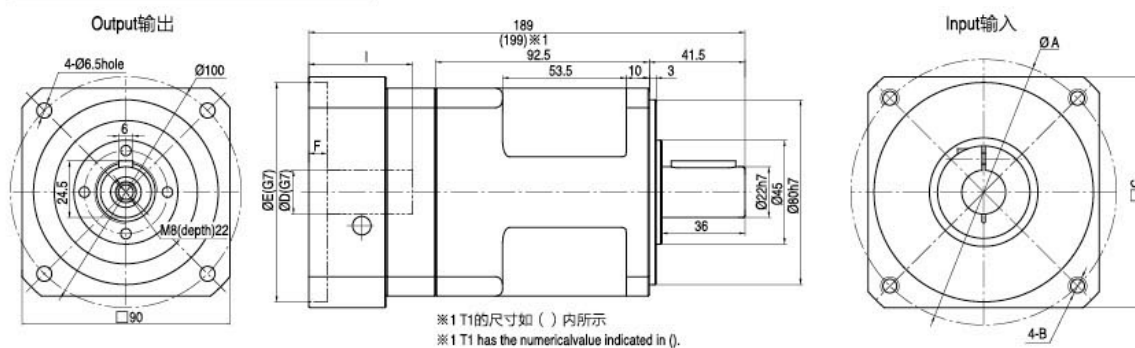
ZDS 1000W DIMENSIONAL DRAWING & PERFORMANCE TABLE

■ 尺寸图 Dimensional Drawing

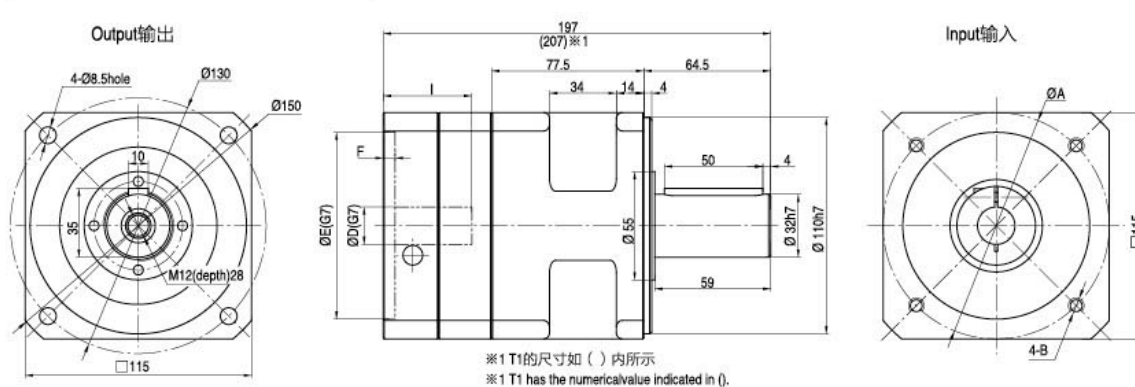
● 70ZDS12-15-16-1000



● 90ZDS20-1000



● 115ZDS10-1000



■ 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

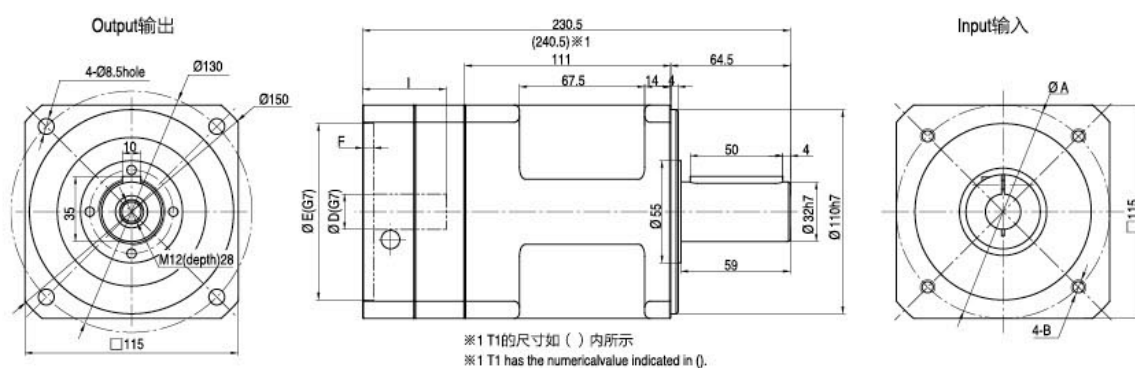
● For details of T1~3, see 188 page.

ZDS 1000W 尺寸图与性能表

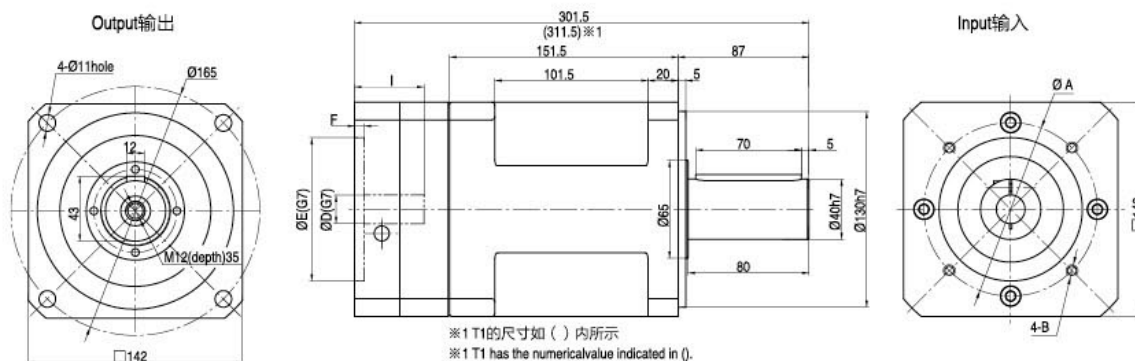
ZDS 1000W DIMENSIONAL DRAWING & PERFORMANCE TABLE

■ 尺寸图 Dimensional Drawing

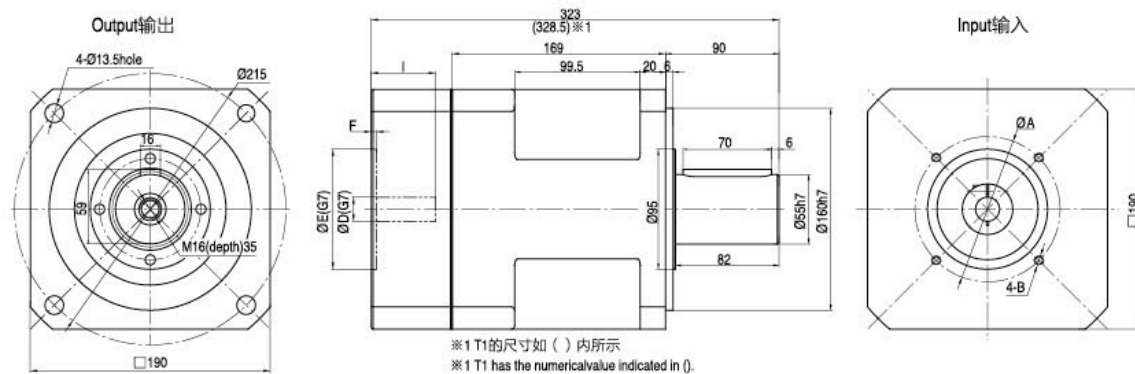
● 115ZDS25-32-40-1000



● 142ZDS64-1000



● 190ZDS100-1000



■ 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.

ZDS 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 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. permis- sible 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 ⁻⁴ kg.m ²)	(N-m)	(N-m)
1500W	1/3	70	ZDS	3	-1500	1000	13.74	41.22	9000	4500	0.32	30	60
	1/4	70	ZDS	4	-1500	750	18.32	54.96	6000	3000	0.2	40	80
	1/5	70	ZDS	5	-1500	600	22.90	68.70	6000	3000	0.16	50	100
	1/8	90	ZDS	8	-1500	375	36.64	109.92	9000	4500	0.46	62	124
	1/10	115	ZDS	10	-1500	300	45.80	137.40	12000	6000	1	125	250
	1/12	90	ZDS	12	-1500	250	53.82	161.45	9000	4500	0.75	110	220
	1/15	90	ZDS	15	-1500	200	67.27	200.00	9000	4500	0.74	110	220
	1/16	90	ZDS	16	-1500	187.5	71.75	215.25	9000	4500	0.56	120	240
	1/20	115	ZDS	20	-1500	150	89.69	269.06	12000	6000	1.41	260	520
	1/25	115	ZDS	25	-1500	120	112.11	336.32	12000	6000	1.21	210	420
	1/32	115	ZDS	32	-1500	93.75	143.49	430.47	12000	6000	1.05	260	520
	1/40	142	ZDS	40	-1500	75	179.36	538.09	19000	9500	5.28	780	1560
	1/64	142	ZDS	64	-1500	46.875	286.97	860.92	19000	9500	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.

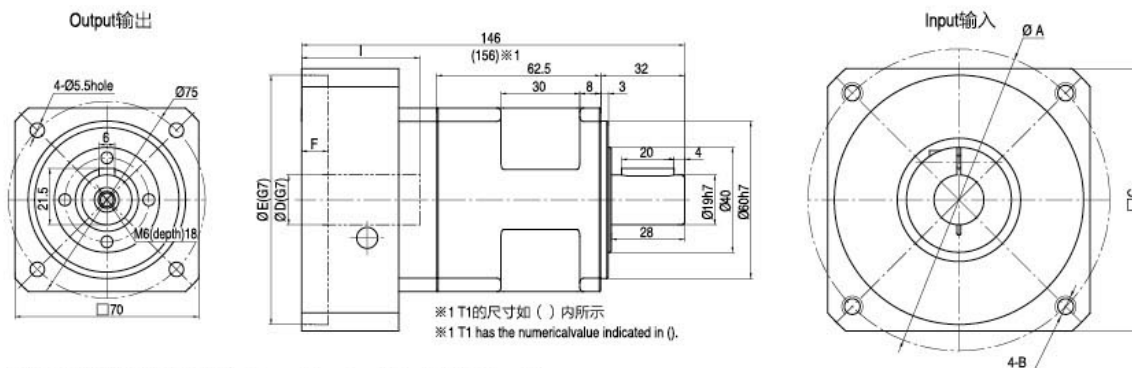
Note 4) The permissible radial load is indicated on the center of the output shaft.

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

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

■ 尺寸图 Dimensional Drawing

● 70ZDS3.4.5-1500



■ 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

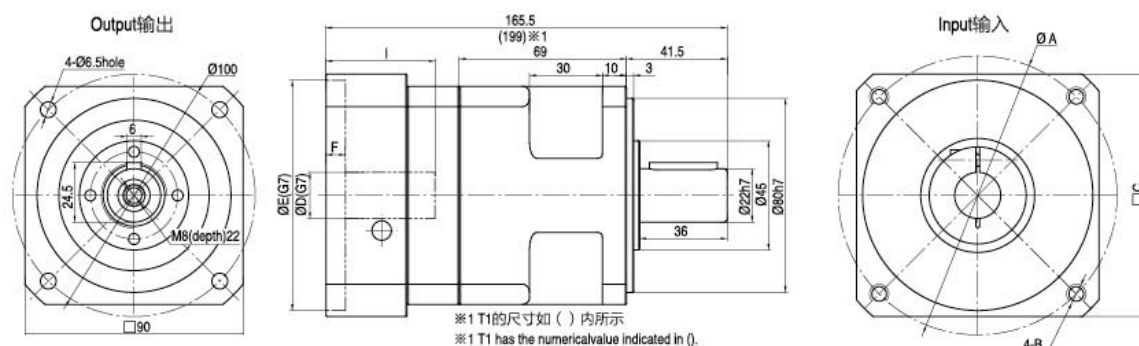
●For details of T1~3, see 188 page.

ZDS 1500W 尺寸图与性能表

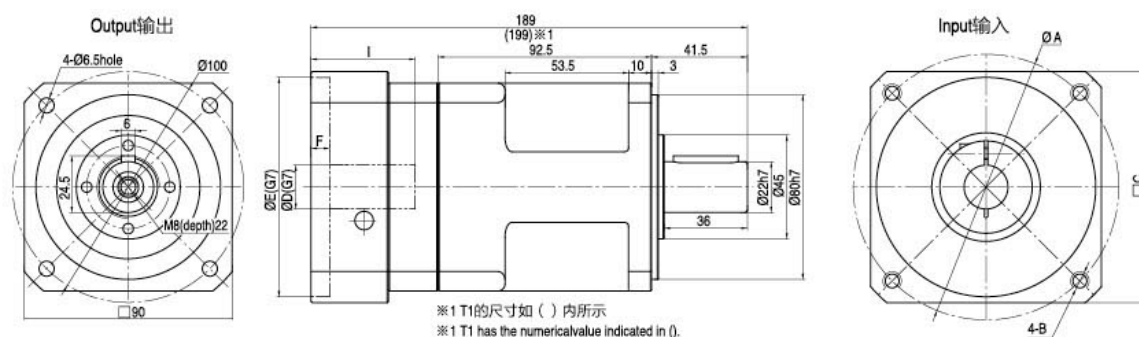
ZDS 1500W DIMENSIONAL DRAWING & PERFORMANCE TABLE

■ 尺寸图 Dimensional Drawing

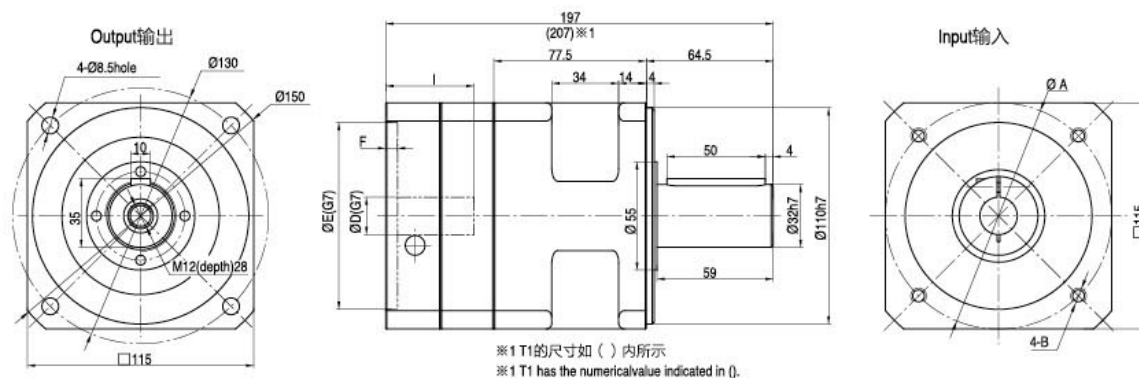
● 90ZDS8-1500



● 90ZDS12-15-16-1500



● 115ZDS10-1500



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

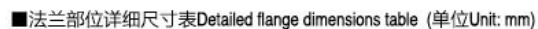
马达种类 Motor type	A	B	C	D	E	F	I
T1	115	M8深(depth)20	100	19	95	5	55
T2	115	M6深(depth)15	100	24	95	5	45
T3	115	M8深(depth)20	100	24	95	5	45

● T1~3的详细情况请参照P.188

● For details of T1~3, see 188 page.

ZDS 1500W DIMENSIONAL DRAWING & PERFORMANCE TABLE

● 115ZDS20.25.32-1500



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.

ZDS 2000W 尺寸图与性能表

ZDS 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 ⁻⁴ kg·m ²)	容许输出 扭矩 Permissible output torque (N·m)	瞬间最大容 许输出扭矩 Instantaneous max. permis- sible output torque (N·m)
		机座号 Type no.	系列号 Model	减速比 Reduction ratio	马达功率 Motor								
2000W	1/3	70	ZDS	3	-2000	1000	18.35	55.05	9000	4500	0.32	30	60
	1/4	70	ZDS	4	-2000	750	24.47	73.41	6000	3000	0.2	40	80
	1/5	70	ZDS	5	-2000	600	30.58	91.74	6000	3000	0.16	50	100
	1/8	115	ZDS	8	-2000	375	48.93	146.79	12000	6000	1.05	148	296
	1/10	115	ZDS	10	-2000	300	61.16	183.48	12000	6000	1	125	250
	1/12	90	ZDS	12	-2000	250	71.86	215.59	9000	4500	0.75	110	220
	1/15	115	ZDS	15	-2000	200	89.83	269.48	12000	6000	2	210	420
	1/16	115	ZDS	16	-2000	187.5	95.81	287.44	12000	6000	1.48	260	520
	1/20	115	ZDS	20	-2000	150	119.77	359.30	12000	6000	1.41	260	520
	1/25	142	ZDS	25	-2000	120	149.71	449.12	19000	9500	5.81	780	1560
	1/32	142	ZDS	32	-2000	93.75	191.62	574.86	19000	9500	5.36	910	1820
	1/40	142	ZDS	40	-2000	75	239.52	718.57	19000	9500	5.28	780	1560
	1/64	190	ZDS	64	-2000	46.875	383.23	1149.69	28000	14000	16.45	1000	2000

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.

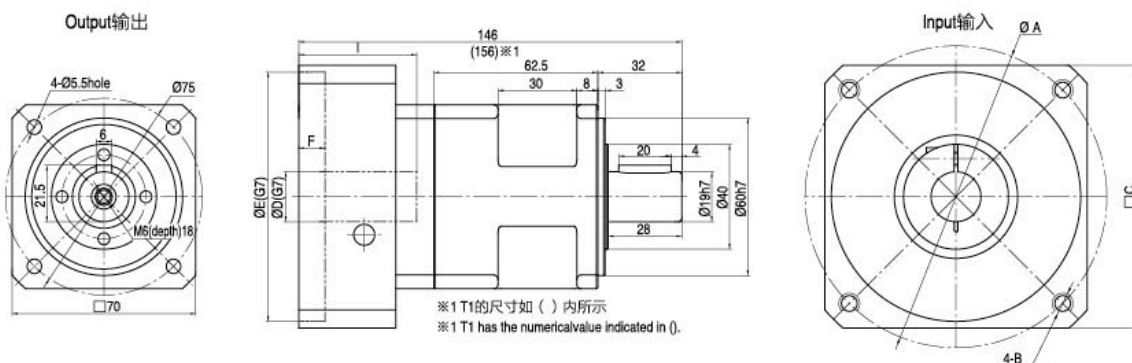
Note 4) The permissible radial load is indicated on the center of the output shaft.

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

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

■ 尺寸图 Dimensional Drawing

● 70ZDS3-4-5-2000



■ 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

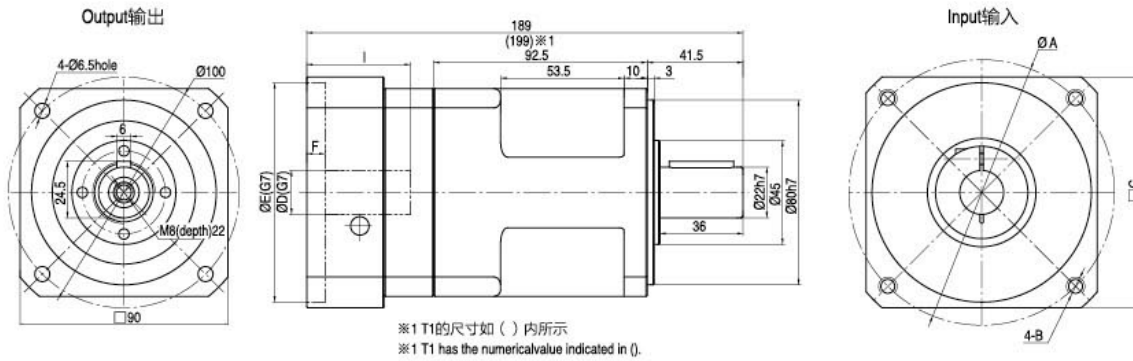
● For details of T1~3, see 188 page.

ZDS 2000W 尺寸图与性能表

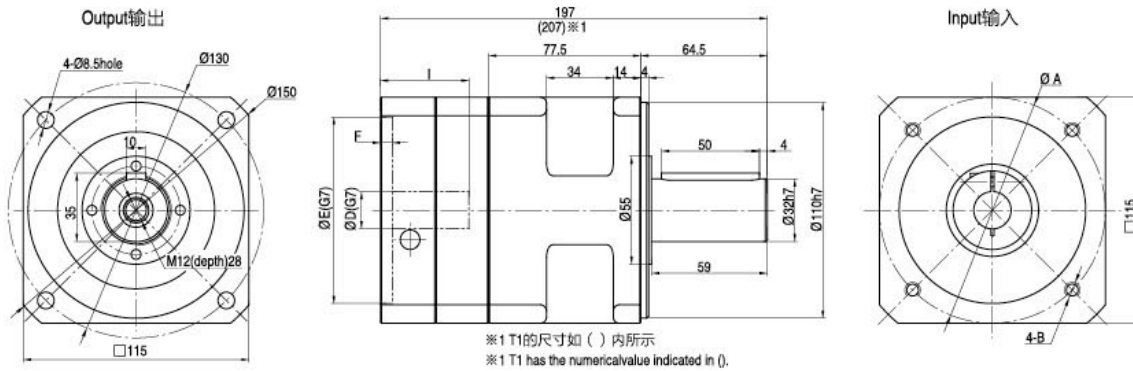
ZDS 2000W DIMENSIONAL DRAWING & PERFORMANCE TABLE

■ 尺寸图 Dimensional Drawing

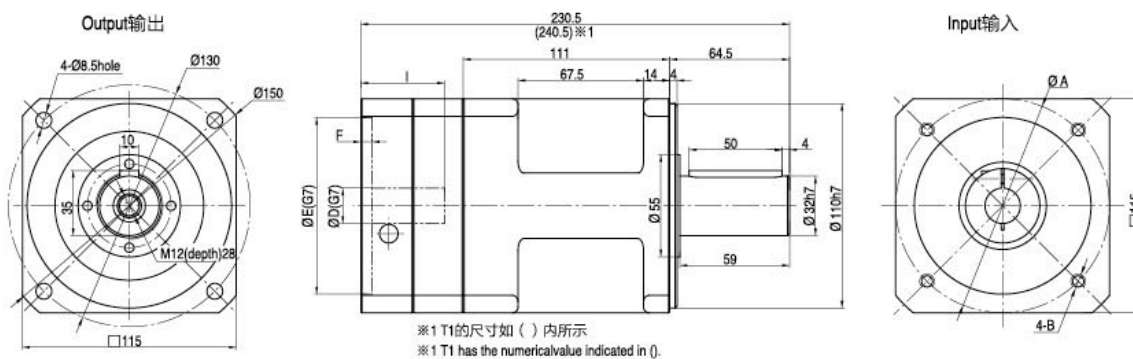
● 90ZDS12-2000



● 115ZDS8-10-2000



● 115ZDS15-16-20-2000



■ 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

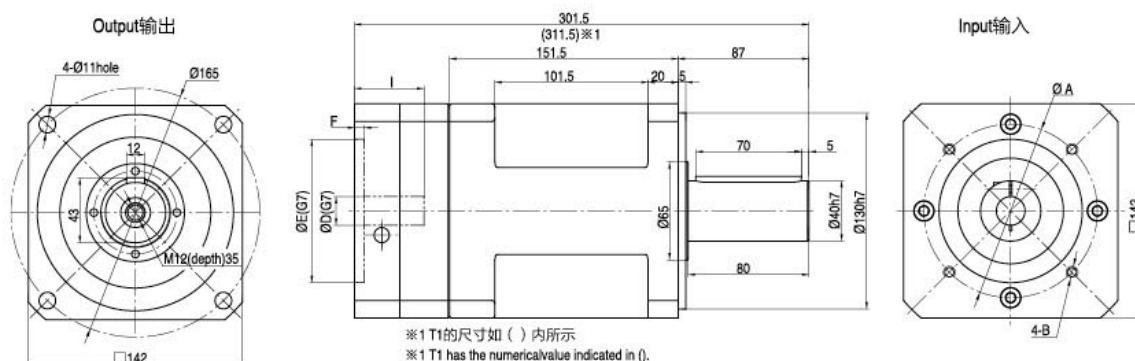
● For details of T1~3, see 188 page.

ZDS 2000W 尺寸图与性能表

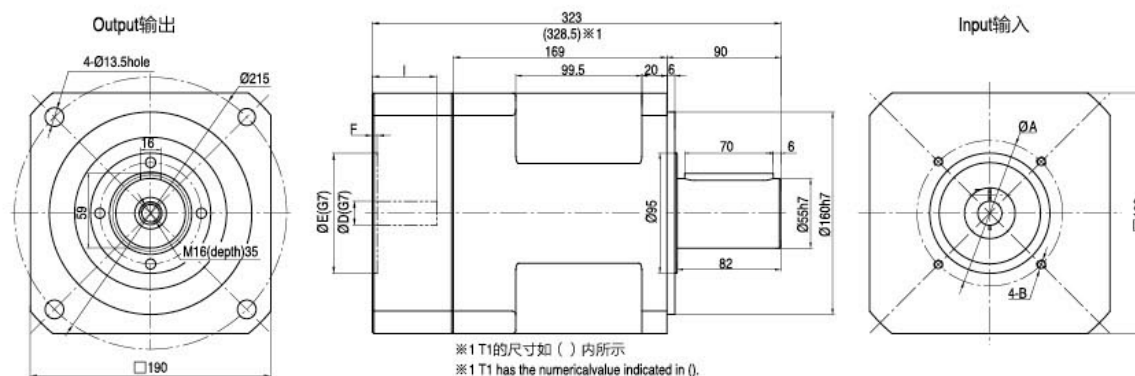
ZDS 2000W DIMENSIONAL DRAWING & PERFORMANCE TABLE

■ 尺寸图 Dimensional Drawing

● 142ZDS25•32•40-2000



● 190ZDS64-2000



■ 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.

ZDS 2500W 尺寸图与性能表

ZDS 2500W 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. permis- sible output torque
		机座号 Type no.	系列号 Model	减速比 Reduction ratio	马达功率 Motor								
2500W	1/3	90	ZDS	3	-2500	1000	22.93	68.79	9000	4500	0.81	75	150
	1/4	90	ZDS	4	-2500	750	30.57	91.71	9000	4500	0.6	100	200
	1/5	90	ZDS	5	-2500	600	38.21	114.63	9000	4500	0.52	110	220
	1/8	115	ZDS	8	-2500	375	61.14	183.42	12000	6000	1.05	148	296
	1/10	115	ZDS	10	-2500	300	76.42	229.26	12000	6000	1	125	250
	1/12	115	ZDS	12	-2500	250	89.80	269.40	12000	6000	2	210	420
	1/15	115	ZDS	15	-2500	200	112.25	336.74	12000	6000	2	210	420
	1/16	115	ZDS	16	-2500	187.5	119.73	359.19	12000	6000	1.48	260	520
	1/20	115	ZDS	20	-2500	150	149.66	448.97	12000	6000	1.41	260	520
	1/25	142	ZDS	25	-2500	120	187.07	561.21	19000	9500	5.81	780	1560
	1/32	142	ZDS	32	-2500	93.75	239.45	718.34	19000	9500	5.36	910	1820
	1/40	142	ZDS	40	-2500	75	299.31	897.92	19000	9500	5.28	780	1560
	1/64	190	ZDS	64	-2500	46.875	478.88	1436.65	28000	14000	16.45	1000	2000

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.

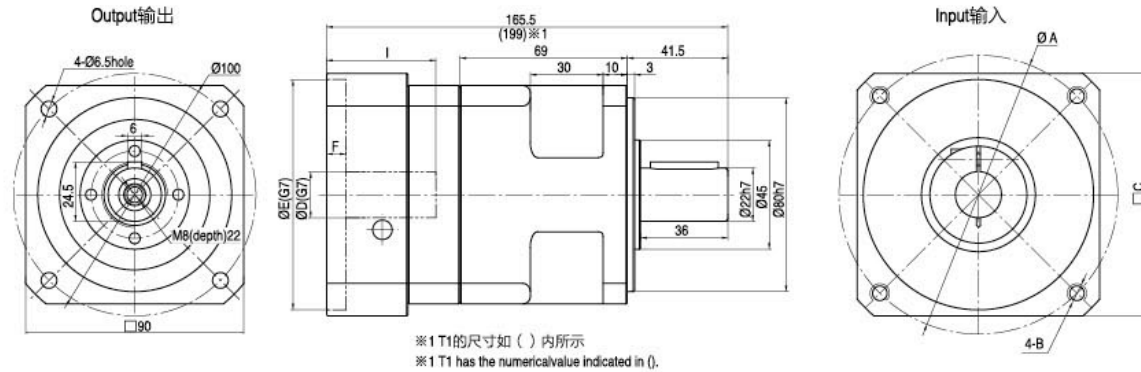
Note 4) The permissible radial load is indicated on the center of the output shaft.

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

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

■ 尺寸图 Dimensional Drawing

● 90ZDS3-4.5-2500



■ 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

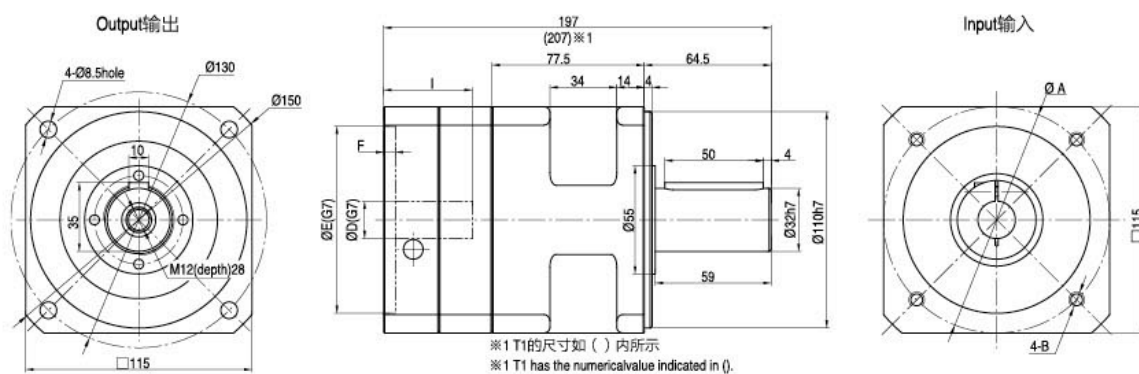
● For details of T1~3, see 188 page.

ZDS 2500W 尺寸图与性能表

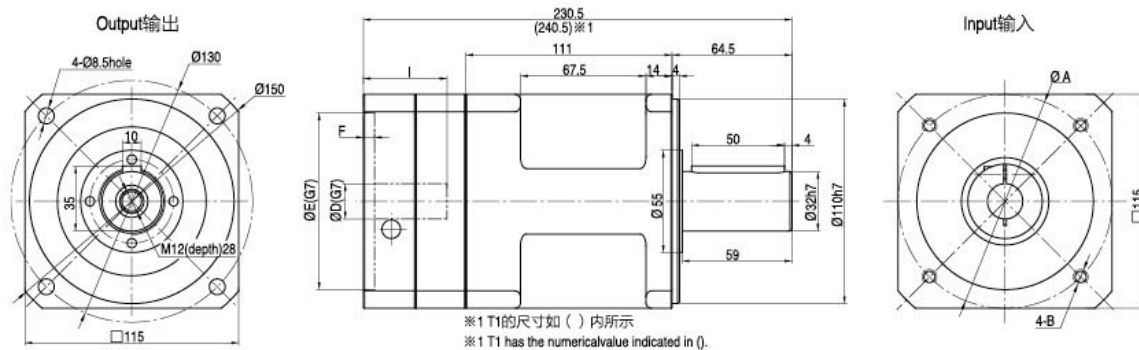
ZDS 2500W DIMENSIONAL DRAWING & PERFORMANCE TABLE

■ 尺寸图 Dimensional Drawing

● 115ZDS8-10-2500



● 115ZDS12-15-16-20-2500



■ 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

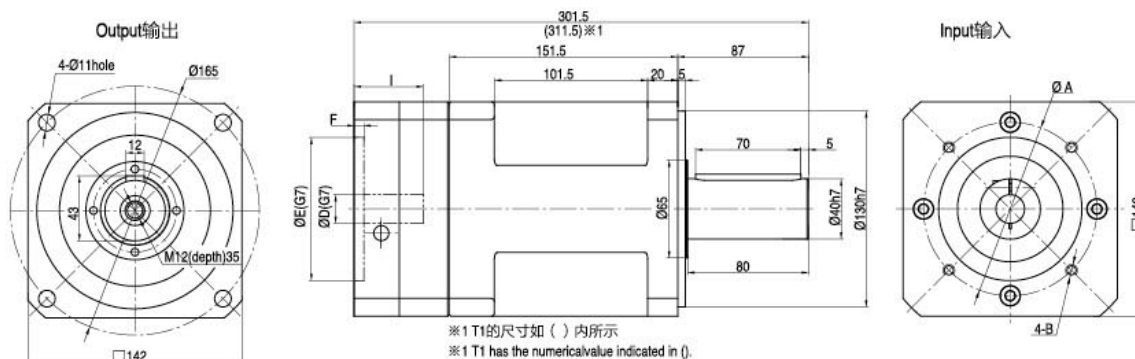
● For details of T1~3, see 188 page.

ZDS 2500W 尺寸图与性能表

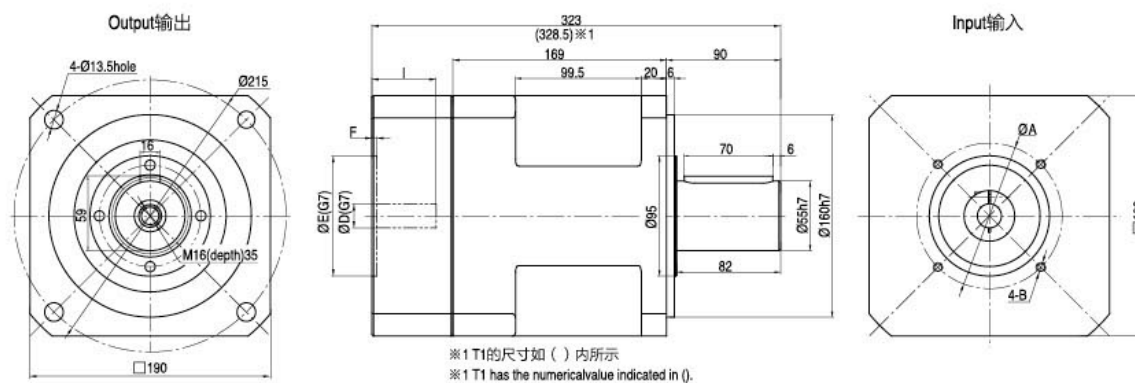
ZDS 2500W DIMENSIONAL DRAWING & PERFORMANCE TABLE

尺寸图 Dimensional Drawing

142ZDS25-32-40-2500



190ZDS64-2500



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.

ZDS 3000W 尺寸图与性能表

ZDS 3000W DIMENSIONAL DRAWING & PERFORMANCE TABLE

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

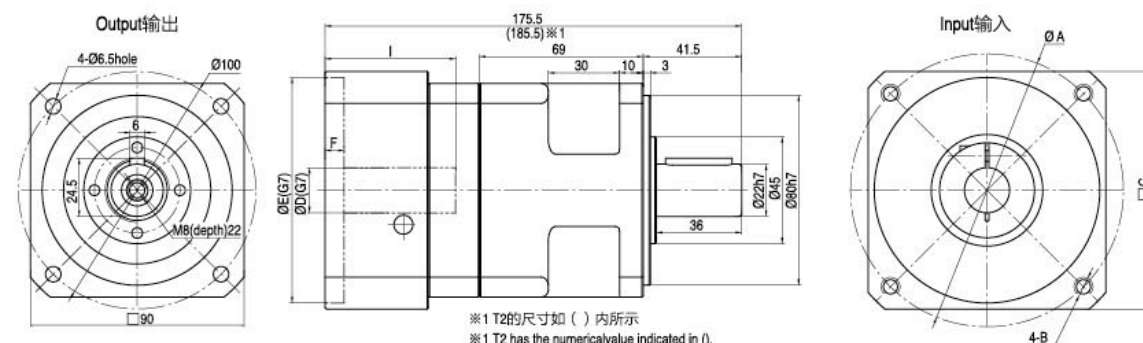
额定输入 马达功率 Rated input motor	减速比 Reduction ratio	型号 Type				输出轴 转速 Output shaft speed	额定输出 扭矩 Standard output torque	瞬间最大 输出扭矩 Instantaneous max. output torque	容许径向 负荷 Permissible radial load	容许轴向 负荷 Permissible axial load	输入轴换算 内部惯性力矩 Internal moment of inertia of input shaft conversion	容许输出 扭矩 Permissible output torque	瞬间最大容 许输出扭矩 Instantaneous max. permis- sible output torque
		机座号 Type no.	系列号 Model	减速比 Reduction ratio	马达功率 Motor								
3000W	1/3	90	ZDS	3	-3000	1000	27.51	82.53	9000	4500	0.81	75	150
	1/4	90	ZDS	4	-3000	750	36.68	110.04	9000	4500	0.6	100	200
	1/5	90	ZDS	5	-3000	600	45.85	137.55	9000	4500	0.52	110	220
	1/8	115	ZDS	8	-3000	375	73.35	220.05	12000	6000	1.05	148	296
	1/10	142	ZDS	10	-3000	300	91.69	275.07	19000	9500	4.25	305	610
	1/12	115	ZDS	12	-3000	250	107.73	323.20	12000	6000	2	210	420
	1/15	115	ZDS	15	-3000	200	134.67	404.00	12000	6000	2	210	420
	1/16	115	ZDS	16	-3000	187.5	143.64	430.93	12000	6000	1.48	260	520
	1/20	142	ZDS	20	-3000	150	179.55	538.65	19000	9500	6.65	910	1820
	1/25	142	ZDS	25	-3000	120	224.44	673.31	19000	9500	5.81	780	1560
	1/32	142	ZDS	32	-3000	93.75	287.27	861.82	19000	9500	5.36	910	1820
	1/40	142	ZDS	40	-3000	75	359.09	1077.27	19000	9500	5.28	780	1560
	1/64	190	ZDS	64	-3000	46.875	574.54	1723.61	28000	14000	16.45	1000	2000

- 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.

■ 尺寸图 Dimensional Drawing

● 90ZDS3-4-5-3000



■ 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	-	-	-	-	-	-	-

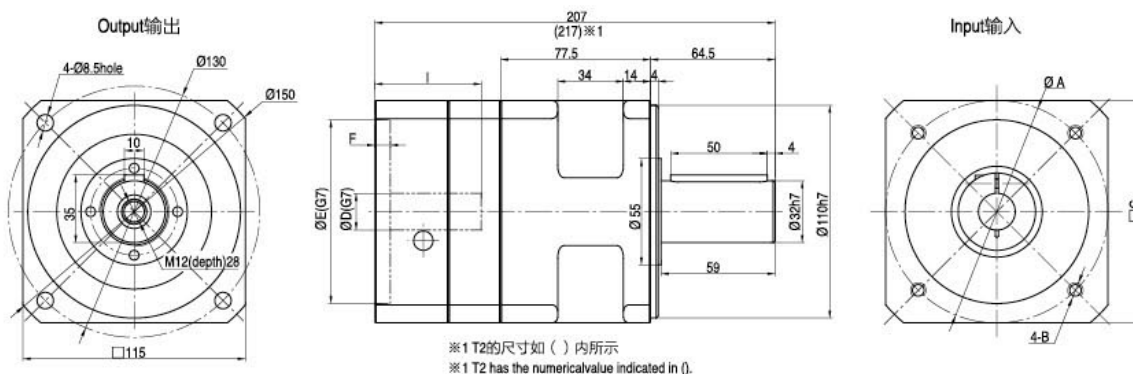
- T1~3的详细情况请参照P.188
- For details of T1~3, see 188 page.

ZDS 3000W 尺寸图与性能表

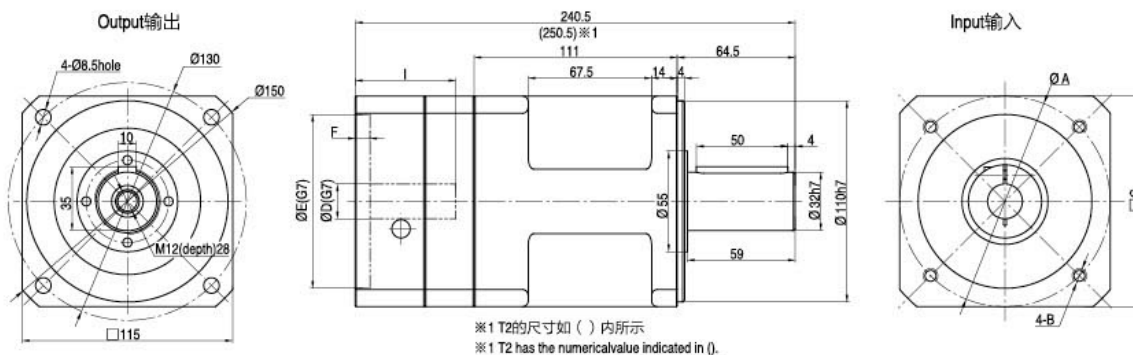
ZDS 3000W DIMENSIONAL DRAWING & PERFORMANCE TABLE

■ 尺寸图 Dimensional Drawing

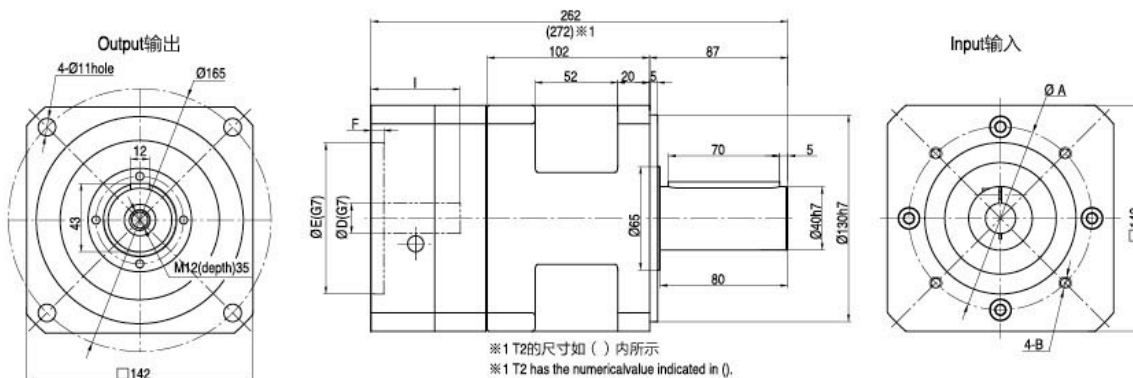
● 115ZDS8-3000



● 115ZDS12-15-16-3000



● 142ZDS10-3000



■ 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

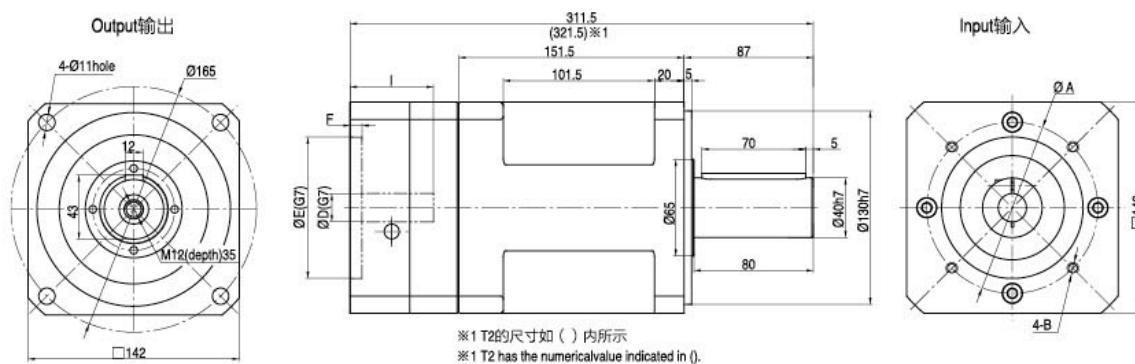
● For details of T1~3, see 188 page.

ZDS 3000W 尺寸图与性能表

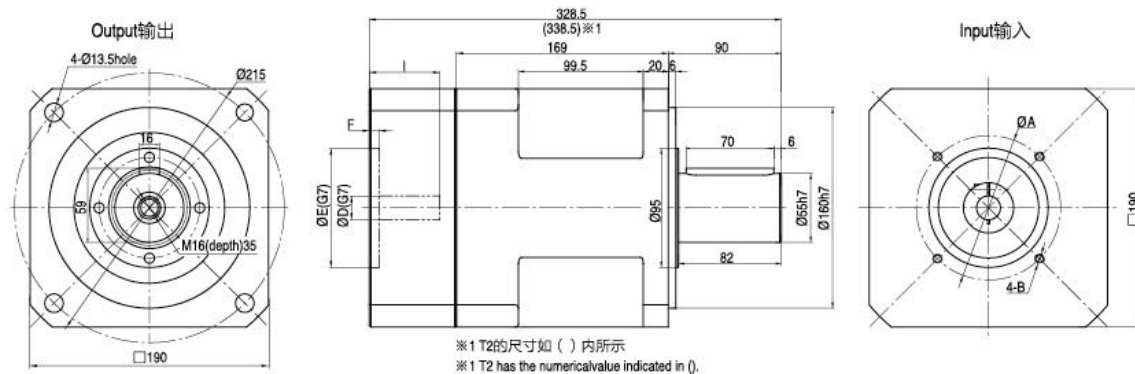
ZDS 3000W DIMENSIONAL DRAWING & PERFORMANCE TABLE

■ 尺寸图 Dimensional Drawing

● 142ZDS20-25-32-40-3000



● 190ZDS64-3000



■ 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.

ZDS 3500W 尺寸图与性能表

ZDS 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 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 ⁻⁴ kg·m ²)	容许输出 扭矩 Permissible output torque (N·m)	瞬间最大容 许输出扭矩 Instantaneous max. permis- sible output torque (N·m)
		机座号 Type no.	系列号 Model	减速比 Reduction ratio	马达功率 Motor								
3500W	1/3	90	ZDS	3	-3500	1000	31.97	95.91	9000	4500	0.81	75	150
	1/4	90	ZDS	4	-3500	750	42.63	127.89	9000	4500	0.6	100	200
	1/5	90	ZDS	5	-3500	600	53.29	159.87	9000	4500	0.52	110	220
	1/8	115	ZDS	8	-3500	375	85.25	255.75	12000	6000	1.05	148	296
	1/10	142	ZDS	10	-3500	300	106.57	319.71	19000	9500	4.25	305	610
	1/12	115	ZDS	12	-3500	250	125.22	375.65	12000	6000	2	210	420
	1/15	142	ZDS	15	-3500	200	156.52	469.56	19000	9500	12.35	450	900
	1/16	115	ZDS	16	-3500	187.5	166.95	500.86	12000	6000	1.48	260	520
	1/20	142	ZDS	20	-3500	150	208.69	626.07	19000	9500	6.65	910	1820
	1/25	142	ZDS	25	-3500	120	260.86	782.58	19000	9500	5.81	780	1560
	1/32	142	ZDS	32	-3500	93.75	333.90	1001.69	19000	9500	5.36	910	1820
	1/40	142	ZDS	40	-3500	75	417.37	1252.11	19000	9500	5.28	780	1560
	1/64	190	ZDS	64	-3500	46.875	667.79	2003.36	28000	14000	16.45	1000	2000

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.

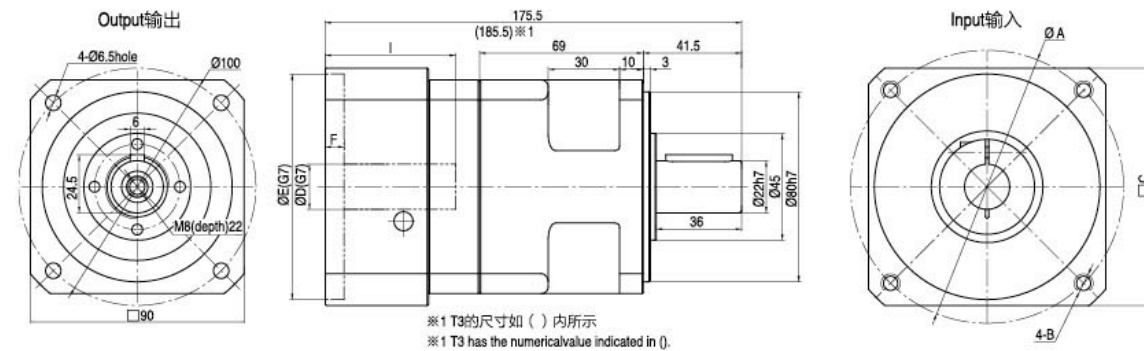
Note 4) The permissible radial load is indicated on the center of the output shaft.

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

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

■ 尺寸图 Dimensional Drawing

● 90ZDS3-4-5-3500



■ 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

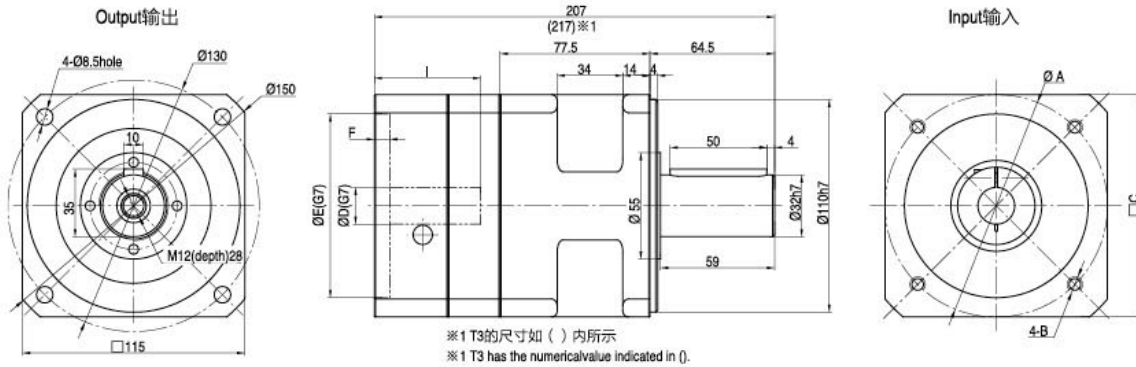
● For details of T1~3, see 188 page.

ZDS 3500W 尺寸图与性能表

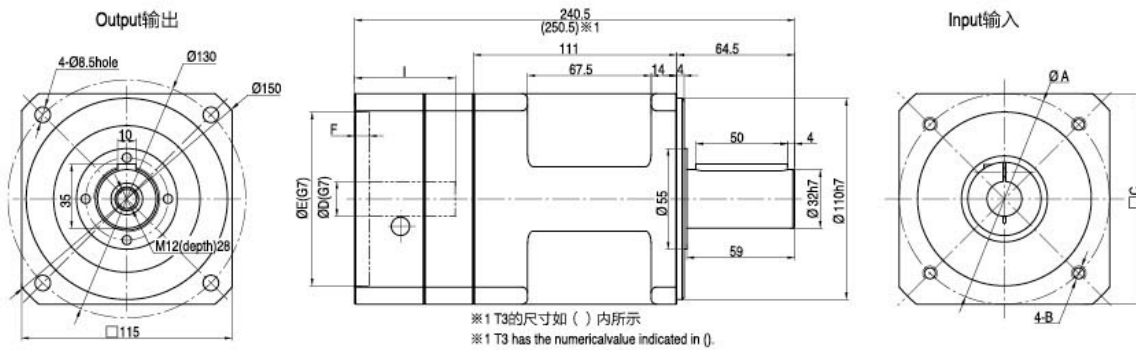
ZDS 3500W DIMENSIONAL DRAWING & PERFORMANCE TABLE

■ 尺寸图 Dimensional Drawing

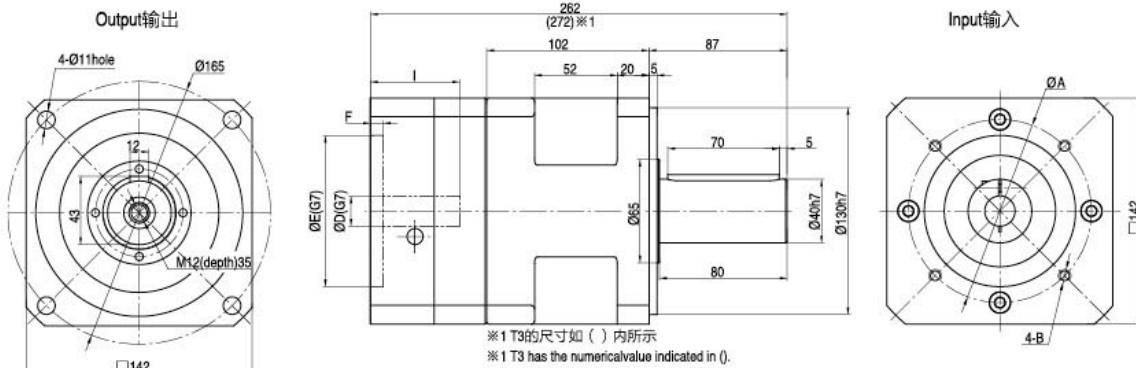
● 115ZDS8-3500



● 115ZDS12-16-3500



● 142ZDS10-3500



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

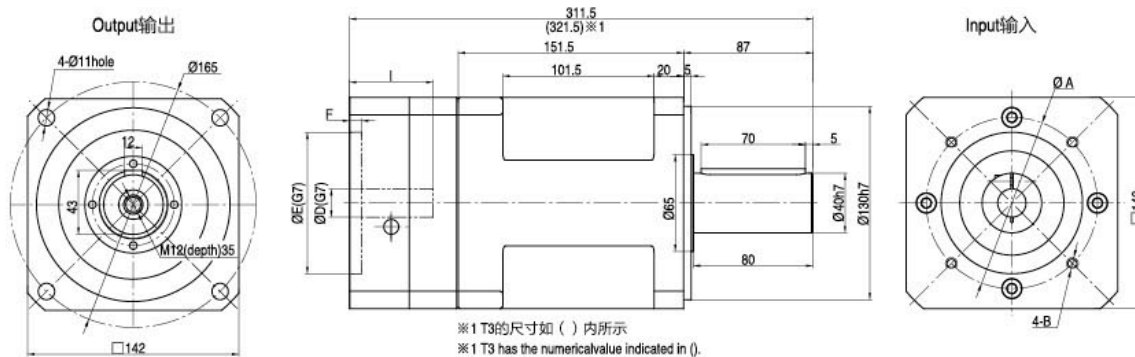
马达种类 Motor type	A	B	C	D	E	F	I
T1	130	M8深(depth)20	120	22	110	8	55
T2	-	-	-	-	-	-	-
T3	145	M8深(depth)20	130	28	110	8	65

● T1~3的详细情况请参照P.188

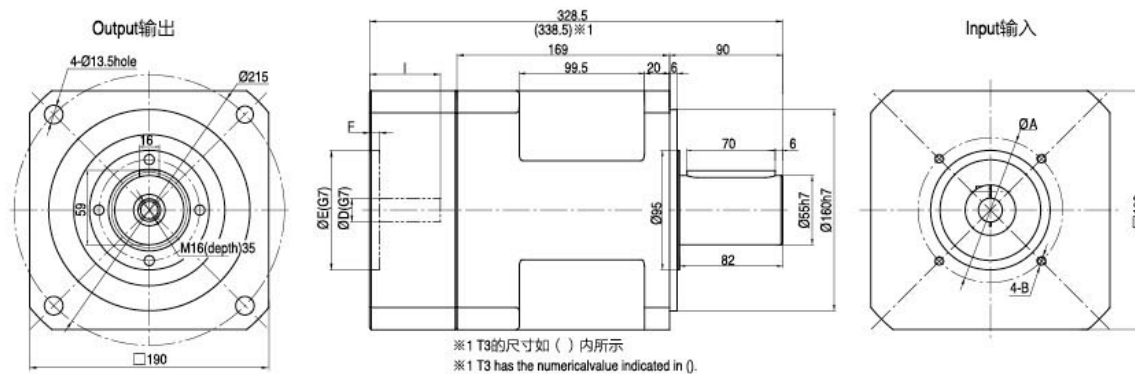
● For details of T1~3, see 188 page.

ZDS 3500W DIMENSIONAL DRAWING & PERFORMANCE TABLE

● 142ZDS15.20.25.32.40-3500



● **190ZDS64-3500**



■ 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.

ZDS 4000W 尺寸图与性能表

ZDS 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 (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 ⁻⁴ kg·m ²)	容许输出 扭矩 Permissible output torque (N·m)	瞬间最大容 许输出扭矩 Instantaneous max. permis- sible output torque (N·m)
		机座号 Type no.	系列号 Model	减速比 Reduction ratio	马达功率 Motor								
4000W	1/3	90	ZDS	3	-4000	1000	36.58	109.74	12000	6000	0.81	75	150
	1/4	90	ZDS	4	-4000	750	48.77	146.31	9000	4500	0.6	100	200
	1/5	90	ZDS	5	-4000	600	60.97	182.91	9000	4500	0.52	110	220
	1/8	115	ZDS	8	-4000	375	97.54	292.62	12000	6000	1.05	148	296
	1/10	142	ZDS	10	-4000	300	121.93	365.79	19000	9500	4.25	305	610
	1/12	142	ZDS	12	-4000	250	143.27	429.80	19000	9500	12.37	450	900
	1/15	142	ZDS	15	-4000	200	179.08	537.24	19000	9500	12.35	450	900
	1/16	142	ZDS	16	-4000	187.5	191.02	573.05	19000	9500	7.47	910	1820
	1/20	142	ZDS	20	-4000	150	238.77	716.31	19000	9500	6.65	910	1820
	1/25	142	ZDS	25	-4000	120	298.46	895.38	19000	9500	5.81	780	1560
	1/32	142	ZDS	32	-4000	93.75	382.03	1146.08	19000	9500	5.36	910	1820
	1/40	142	ZDS	40	-4000	75	477.53	1432.59	19000	9500	5.28	780	1560

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.

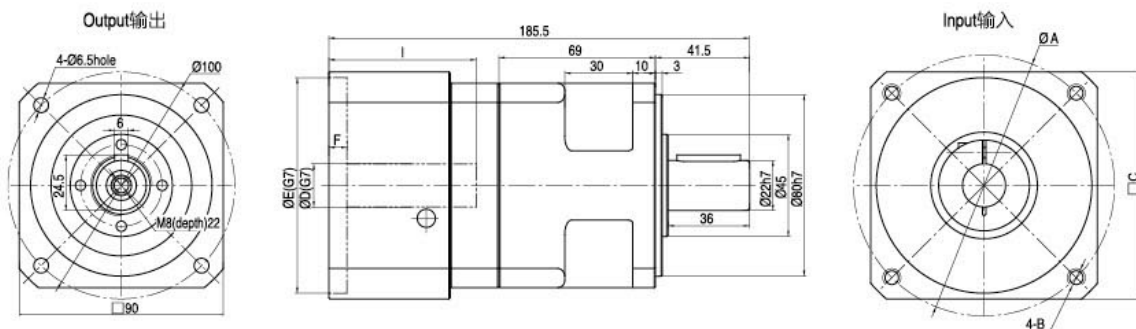
Note 4) The permissible radial load is indicated on the center of the output shaft.

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

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

■ 尺寸图 Dimensional Drawing

● 90ZDS3-4.5-4000



■ 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.

ZDS 4000W DIMENSIONAL DRAWING & PERFORMANCE TABLE

● **115ZDS8-4000**



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.

ZDS 4500W 尺寸图与性能表

ZDS 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 (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 ($\times 10^{-4} \text{kg} \cdot \text{m}^2$)	容许输出 扭矩 Permissible output torque (N·m)	瞬间最大容 许输出扭矩 Instantaneous max. permis- sible output torque (N·m)
		机座号 Type no.	系列号 Model	减速比 Reduction ratio	马达功率 Motor								
4500W	1/3	90	ZDS	3	-4500	1000	41.19	123.57	12000	6000	0.81	75	150
	1/4	90	ZDS	4	-4500	750	54.92	164.76	9000	4500	0.6	100	200
	1/5	90	ZDS	5	-4500	600	68.65	205.95	9000	4500	0.52	110	220
	1/8	142	ZDS	8	-4500	375	109.83	329.49	19000	9500	4.63	450	900
	1/10	142	ZDS	10	-4500	300	137.29	411.87	19000	9500	4.25	305	610
	1/12	142	ZDS	12	-4500	250	161.31	483.94	19000	9500	12.37	450	900
	1/15	142	ZDS	15	-4500	200	201.64	604.92	19000	9500	12.35	450	900
	1/16	142	ZDS	16	-4500	187.5	215.08	645.25	19000	9500	7.47	910	1820
	1/20	142	ZDS	20	-4500	150	268.85	806.55	19000	9500	6.65	910	1820
	1/25	142	ZDS	25	-4500	120	336.06	1008.18	19000	9500	5.81	780	1560
	1/32	142	ZDS	32	-4500	93.75	430.15	1290.46	19000	9500	5.36	910	1820
	1/40	190	ZDS	40	-4500	75	537.69	1613.07	28000	14000	16.54	1800	3600

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考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.

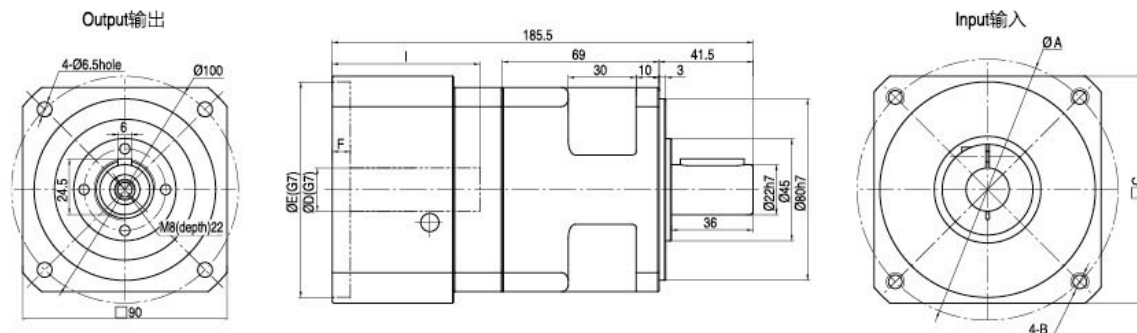
Note 4) The permissible radial load is indicated on the center of the output shaft.

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

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

■ 尺寸图 Dimensional Drawing

● 90ZDS3-4-5-4500



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

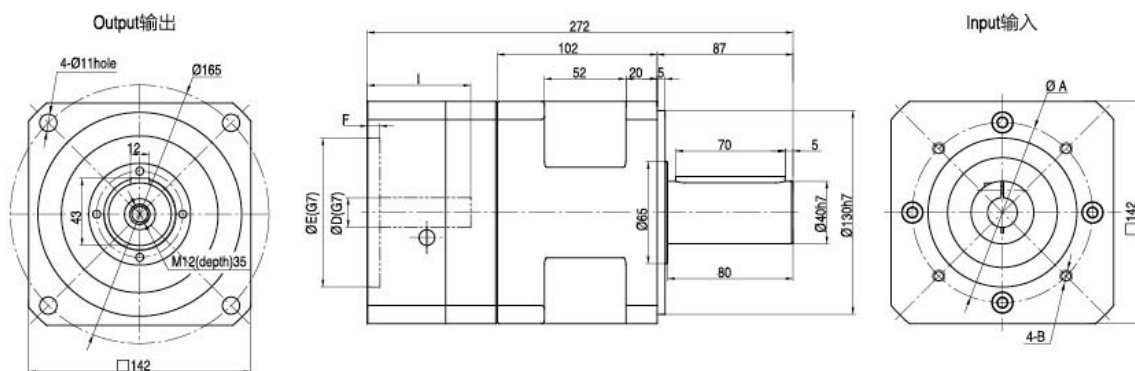
马达种类 Motor type	A	B	C	D	E	F	I
T1	145	M8深(depth)20	130	24	110	8	65
T2	-	-	-	-	-	-	-
T3	-	-	-	-	-	-	-

● T1~3的详细情况请参考P.188

● For details of T1~3, see 188 page.

ZDS 4500W DIMENSIONAL DRAWING & PERFORMANCE TABLE

● 142ZDS8•10-4500



Output 输出

4-Ø11hole
Ø165
12
43
M12(depth)35
□142

Input 输入

321.5
151.5
101.5
20
5
87
70
5
Ø65
Ø40h7
Ø130h7
80
ØA
4-B
□142

Technical Drawing Description: The drawing consists of three views of a motor. The 'Output' view (left) is a top-down view of the motor's output shaft, showing a central shaft with a keyway, surrounded by concentric circles. Dimensions include 4-Ø11hole, Ø165, 12, 43, M12(depth)35, and □142. The side view (middle) shows the motor's profile with dimensions 321.5, 151.5, 101.5, 20, 5, 87, 70, 5, Ø65, Ø40h7, Ø130h7, 80, and ØA. The 'Input' view (right) is a top-down view of the motor's input shaft, showing a central shaft with a keyway, surrounded by concentric circles. Dimensions include 4-B and □142.

[illegible]

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	-	-	-	-	-	-	-

●For details of T1~3, see 188 page.

ZDS 5000W 尺寸图与性能表

ZDS 5000W 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 ($\times 10^{-4} \text{kg} \cdot \text{m}^2$)	容许输出 扭矩 Permissible output torque (N·m)	瞬间最大容 许输出扭矩 Instantaneous max. permis- sible output torque (N·m)
		机座号 Type no.	系列号 Model	减速比 Reduction ratio	马达功率 Motor								
5000W	1/3	90	ZDS	3	-5000	1000	45.80	137.40	12000	6000	0.81	75	150
	1/4	90	ZDS	4	-5000	750	61.06	183.18	9000	4500	0.6	100	200
	1/5	115	ZDS	5	-5000	600	76.33	228.99	12000	6000	1.22	210	420
	1/8	142	ZDS	8	-5000	375	122.12	366.36	19000	9500	4.63	450	900
	1/10	142	ZDS	10	-5000	300	152.65	457.95	19000	9500	4.25	305	610
	1/12	142	ZDS	12	-5000	250	179.36	538.09	19000	9500	12.37	450	900
	1/15	142	ZDS	15	-5000	200	224.20	672.60	19000	9500	12.35	450	900
	1/16	142	ZDS	16	-5000	187.5	239.15	717.44	19000	9500	7.47	910	1820
	1/20	142	ZDS	20	-5000	150	298.93	896.79	19000	9500	6.65	910	1820
	1/25	142	ZDS	25	-5000	120	373.66	1120.98	19000	9500	5.81	780	1560
	1/32	142	ZDS	32	-5000	93.75	478.28	1434.85	19000	9500	5.36	910	1820
	1/40	190	ZDS	40	-5000	75	597.85	1793.55	28000	14000	16.54	1800	3600

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考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.

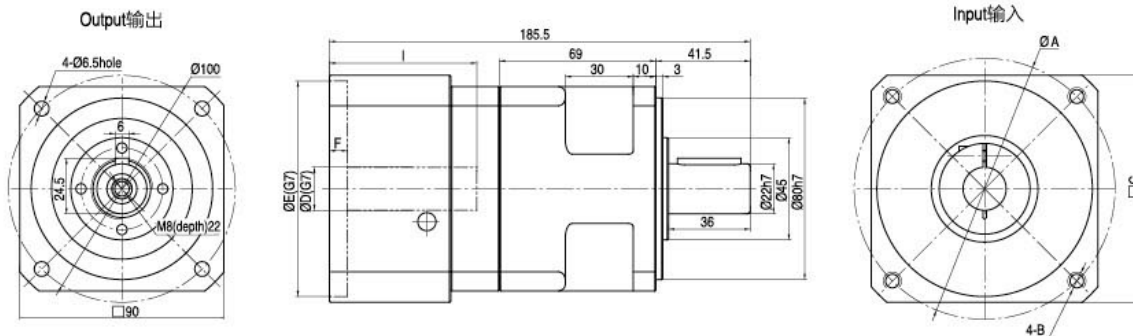
Note 4) The permissible radial load is indicated on the center of the output shaft.

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

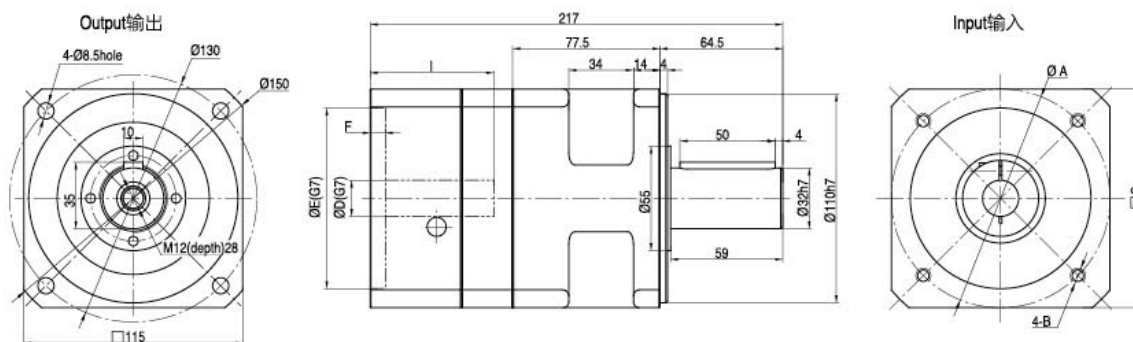
Note 6) Rotation of the output shaft is in the same direction as motor.

■ 尺寸图 Dimensional Drawing

● 90ZDS3-4-5000



● 115ZDS5-5000



■ 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的详细情况请参考P.188

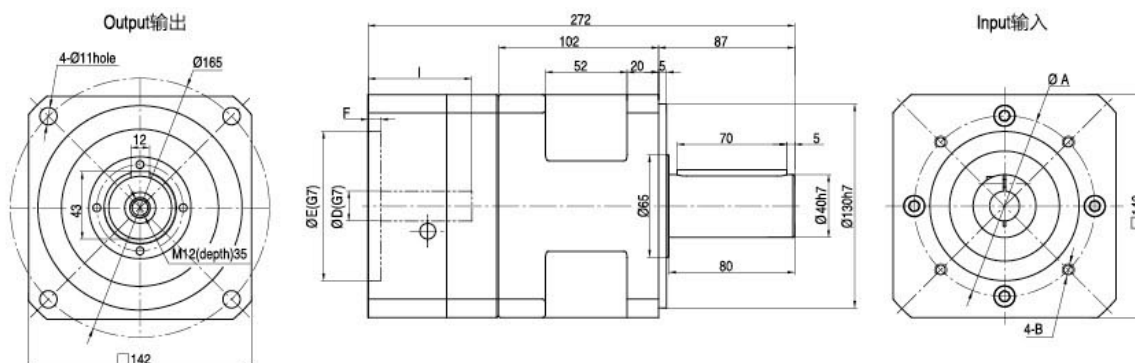
● For details of T1~3, see 188 page.

ZDS 5000W 尺寸图与性能表

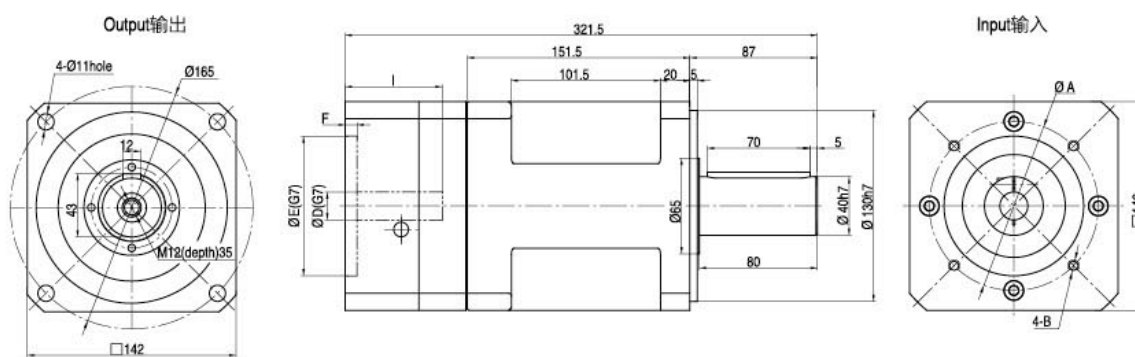
ZDS 5000W DIMENSIONAL DRAWING & PERFORMANCE TABLE

■ 尺寸图 Dimensional Drawing

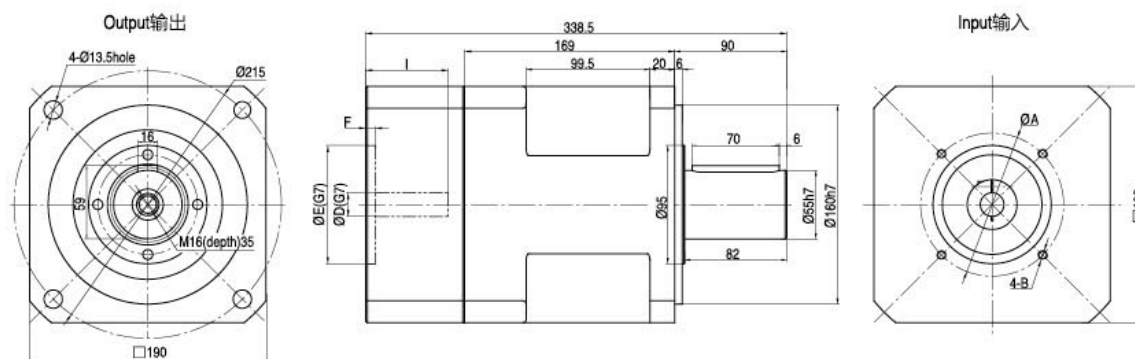
● 142ZDS8-10-5000



● 142ZDS12-15-16-20-25-32-5000



● 190ZDS40-5000



■ 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.