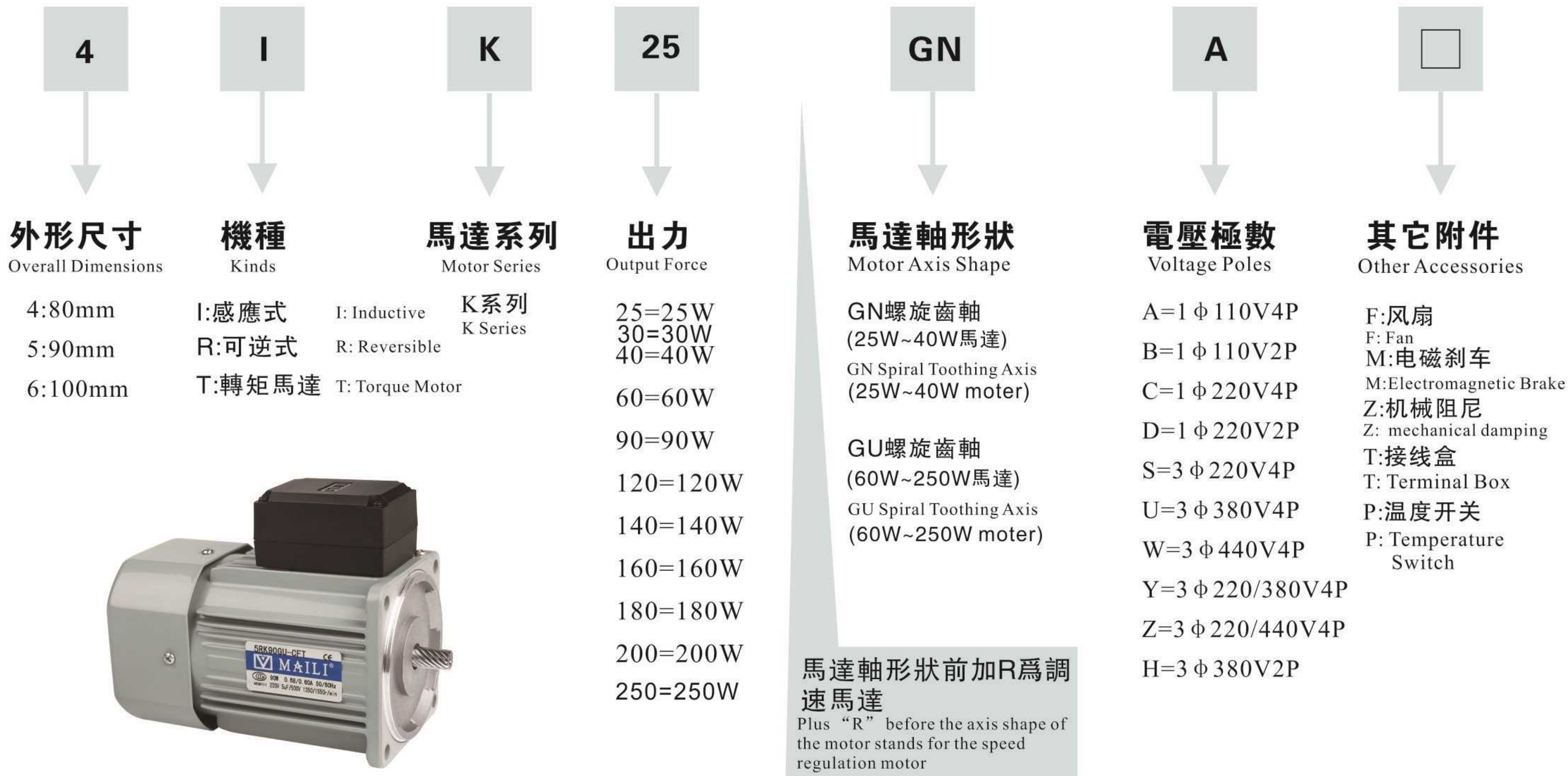


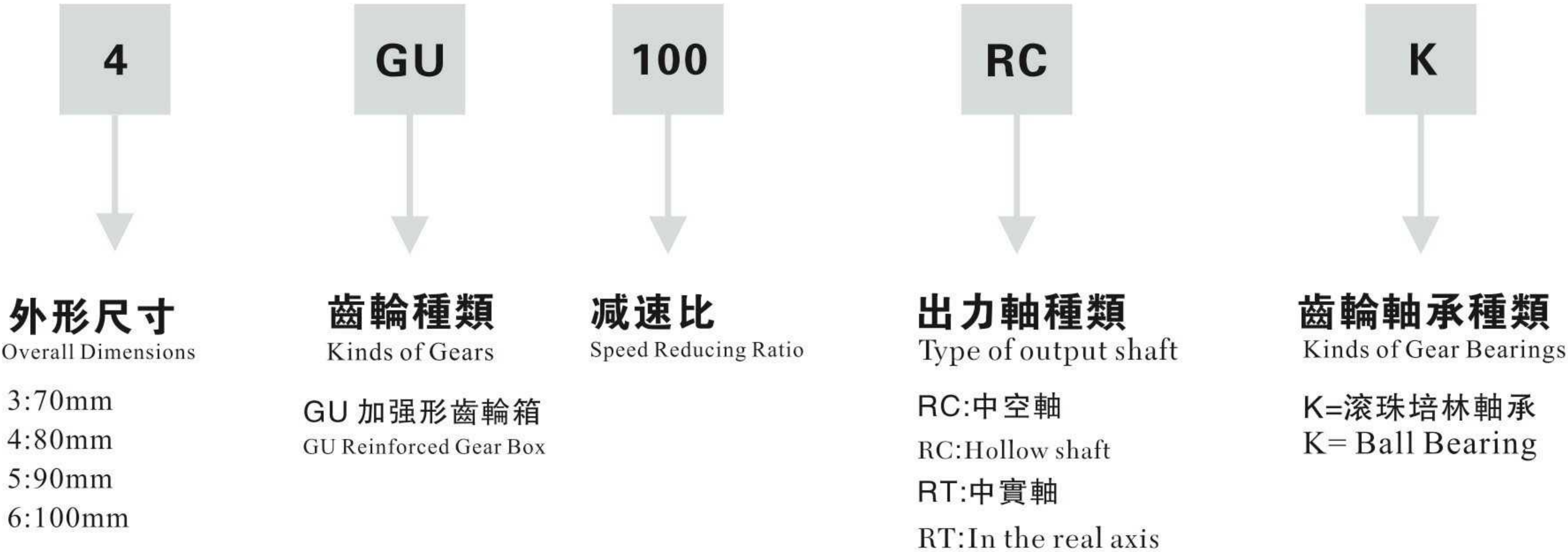
交流馬達型號之選定

The selection for AC motor and gear



齒輪型號之選定

The selection for AC motor



25/30W

□80mm



電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容容量/耐壓 Capacity/Ve μ F/VAC
公司型號 JWD types						mN.m	gf.cm	mN.m	gf.cm		
4IK25GN-C 4IK25A-C	感應 Induction	25	單相 1-phase 220	50	0.22	231	2310	185	1850	1250	1.5/450
				60	0.21	192	1920	154	1540	1550	1.5/450
4RK25GN-C 4RK25A-C	可逆 Reversible 30min			50	0.24	231	2310	185	1850	1250	2/450
				60	0.26	192	1920	154	1540	1550	2/450
4IK25GN-A 4IK25A-A	感應 Induction	25	單相 1-phase 110	50	0.48	231	2310	185	1850	1250	6/250
				60	0.46	192	1920	154	1540	1550	6/250
4RK25GN-A 4RK25A-A	可逆 Reversible 30min			50	0.50	231	2310	185	1850	1250	8/250
				60	0.56	192	1920	154	1540	1550	8/250
4IK25GN-U 4IK25A-U	——	25	三相 3-phase 380	50	0.14	231	2310	185	1850	1250	——
				60	0.12	192	1920	154	1540	1550	——
4RK25GN-S 4RK25A-S	——	25	三相 3-phase 220	50	0.24	231	2310	185	1850	1250	——
				60	0.225	192	1920	154	1540	1550	——
4IK30GN-C 4IK30A-C	感應 Induction	30	單相 1-phase 220	50	0.28	275	2750	220	2200	1250	2.2/450
				60	0.3	231	2310	185	1850	1550	2.2/450
4RK30GN-C 4RK30A-C	可逆 Reversible 30min			50	0.3	275	2750	220	2200	1250	2.5/450
				60	0.32	231	2310	185	1850	1550	2.5/450
4IK30GN-A 4IK30A-A	感應 Induction	30	單相 1-phase 110	50	0.58	275	2750	220	2200	1250	8/250
				60	0.60	231	2310	185	1850	1550	8/250
4RK30GN-A 4RK30A-A	可逆 Reversible 30min			50	0.60	275	2750	220	2200	1250	10/250
				60	0.65	231	2310	185	1850	1550	10/250

- 上表參數是指電機單體，不附加任何負荷裝置。
 - 電機額定轉速、額定電流允許在±5%範圍內變動。
- Parameters in above table refer to motor alone,without any load device.
 - Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed		500	300	250	200	150	120	100	83	75	60	50	40	35	30	25	20	15	12	10	8	7	6	5		
	減速比i ratio		3	5	6	7.5	10	12.5	15	18	20	25	30	36	40	50	60	75	100	120	150	180	200	250	300		
最大允許負載 Max allowable load	25W	$\frac{\text{kg.cm}}{\text{N.m}}$	4.5 0.45	7.9 0.79	9.46 0.93	12 1.18	15.7 1.55	19 1.86	23 2.25	28.4 2.78	31.5 3.1	35 3.43	42 4.12	51.1 5.01	56.7 5.57	62 6.18	76.6 7.52	80 7.84									
	30W	$\frac{\text{kg.cm}}{\text{N.m}}$	5.7 0.56	8.1 0.8	11.3 1.1	14.2 1.39	18.9 1.85	23.6 2.32	28.3 2.78	34 3.34	37.8 3.7	42.5 4.17	51.1 5.01	60.2 6.01	68.1 6.68	65.7 6.5	80 7.84										

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
 - 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
 - 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情况存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in2~15%.
 - Hope to the table of the reduction ratio is greater than the further reduction,it would be installed between the motor and the reducer reduction ratiio of 10 the middle of the reducer.
 - When the load torque exceeds the maximum allowable load torque gear motor,and a locked rotor situation exists,please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

直角中實減速箱

Right angle solid-shaft reduction gear box



型號:4GU □RT-K

速比:1:10~1500

Model:4GU □RT-K

Gear ratio:1:10~1500

80型 CAD 尺寸

Model 80 CAD size

組合：定速電機+直角中實減速箱

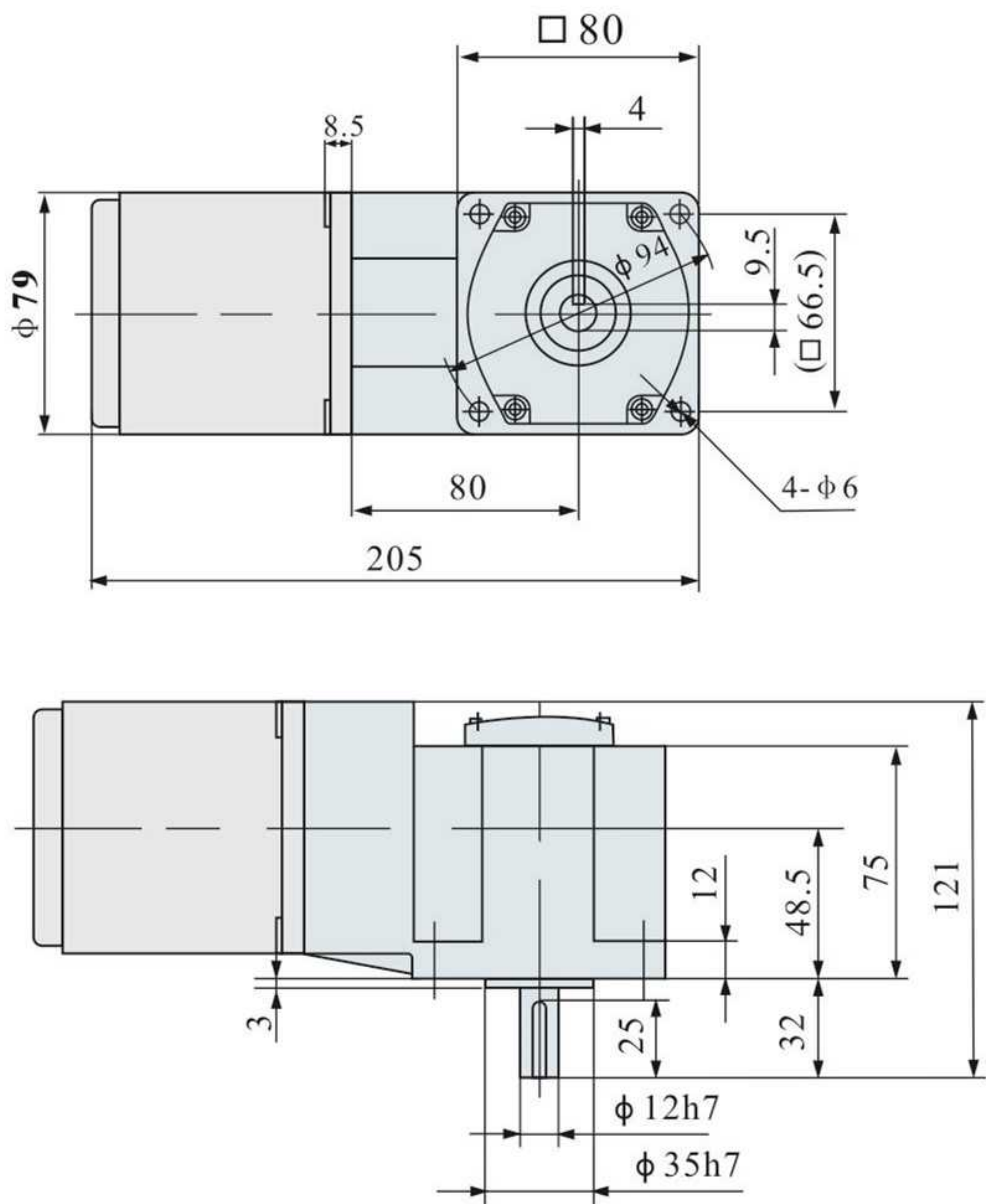
減速比：1:10~1500

質量：3.4kg

Combination: fixed speed motor + right angle solid reduction gear box

Deceleration ratio: 1:10~1500

Mass: 3.4kg



直角中空減速箱

Right angle hollow-shaft reduction gear box



型號:4GU □RC-K

速比:1:10~1500

Model:4GU □RC-K

Gear ratio:1:10~1500

80型 CAD 尺寸

Model 80 CAD size

組合：定速電機+直角中空減速箱

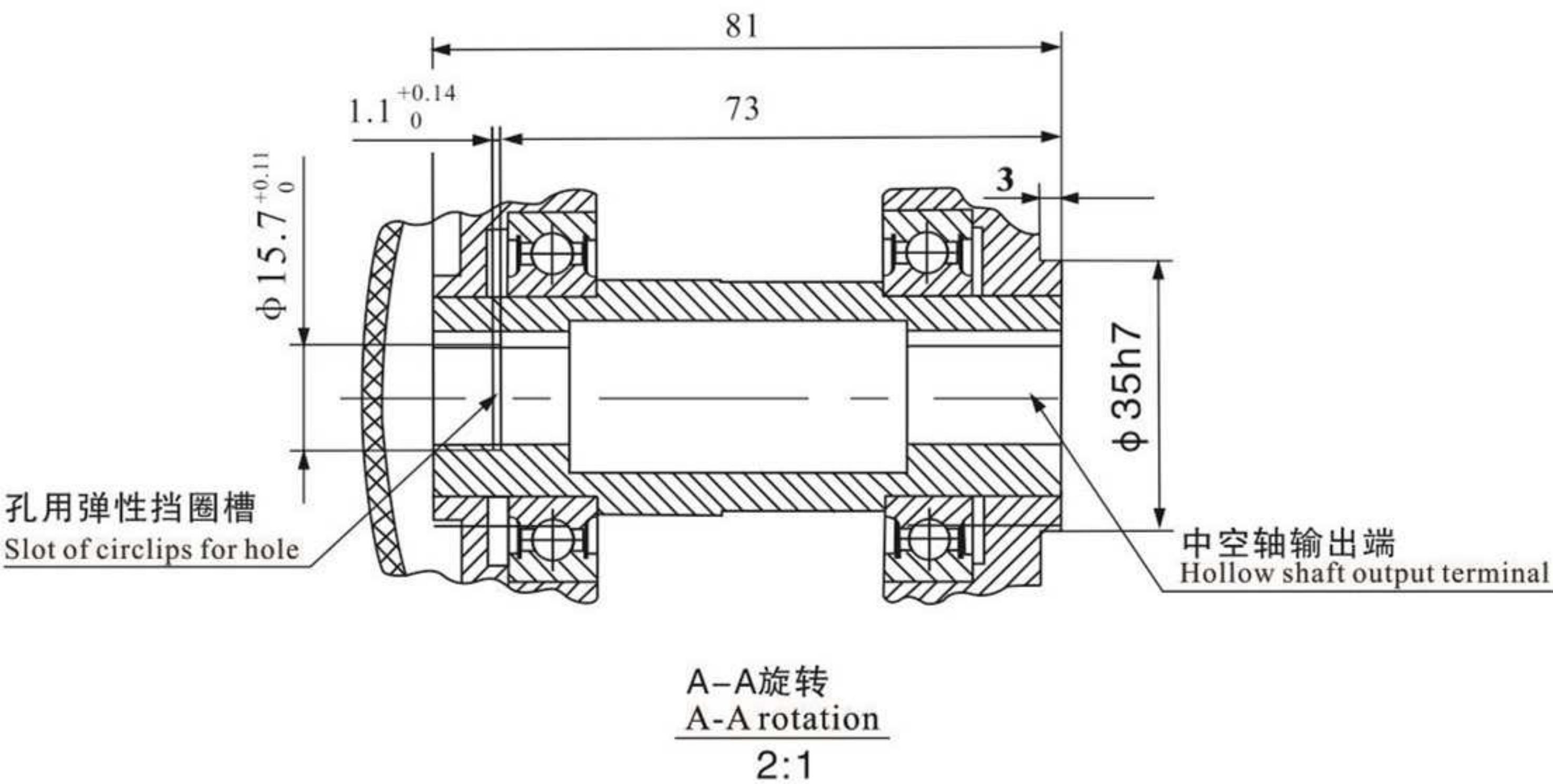
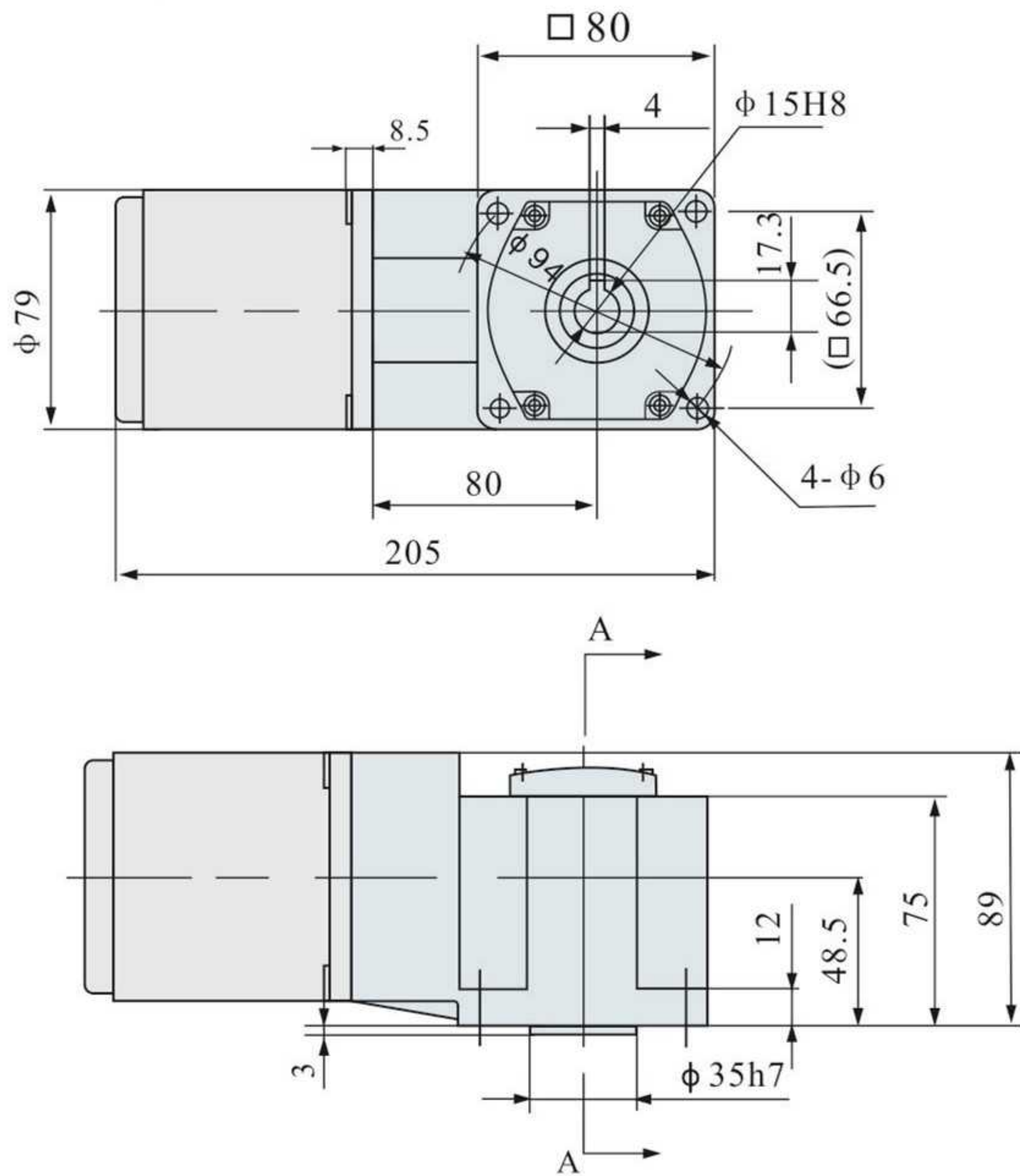
減速比：1:10~1500

質量：3.3kg

Combination: fixed speed motor + right angle hollow reduction gear box

Deceleration ratio: 1:10~1500

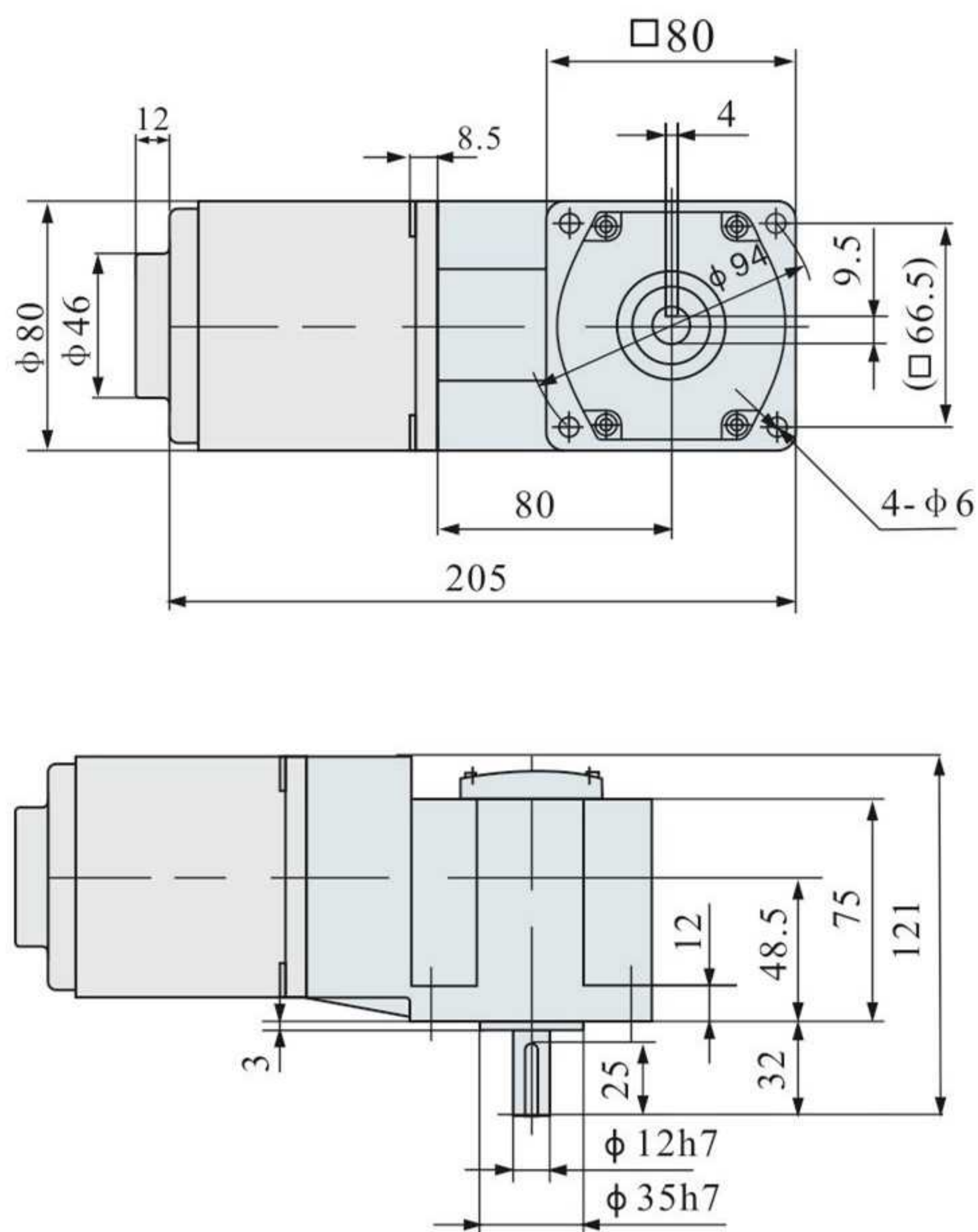
Mass: 3.3kg



80型 CAD 尺寸
Model 80 CAD size

組合：調速電機+直角中實減速箱
減速比：1:10~1500
質量：3.5kg

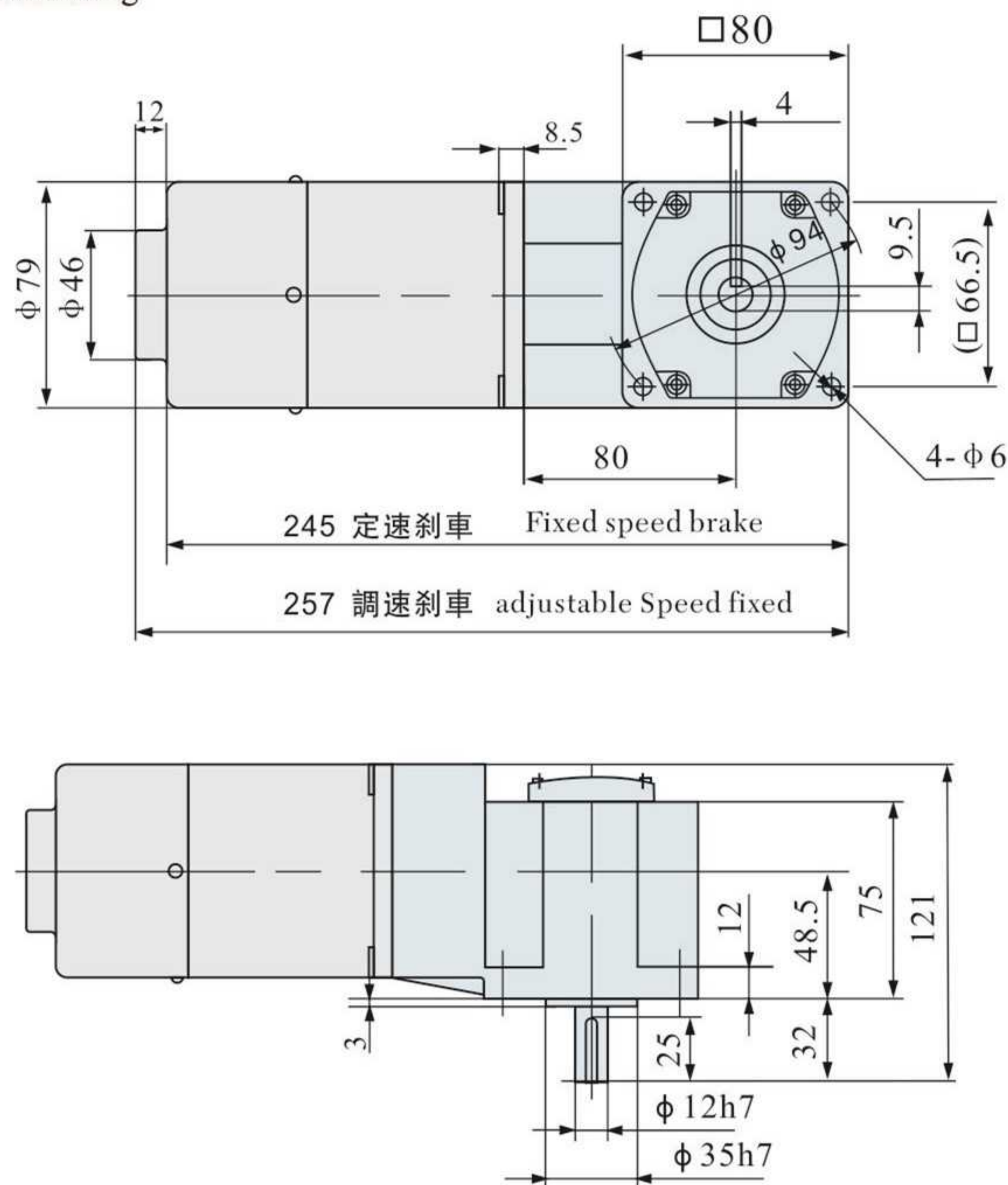
Combination: adjustable speed motor + right angle solid reduction gear box
Deceleration ratio: 1:10~1500
Mass: 3.5kg



80型 CAD 尺寸
Model 80 CAD size

組合：剎車定速/調速電機+直角中實減速箱
減速比：1:10~1500
質量：3.8kg

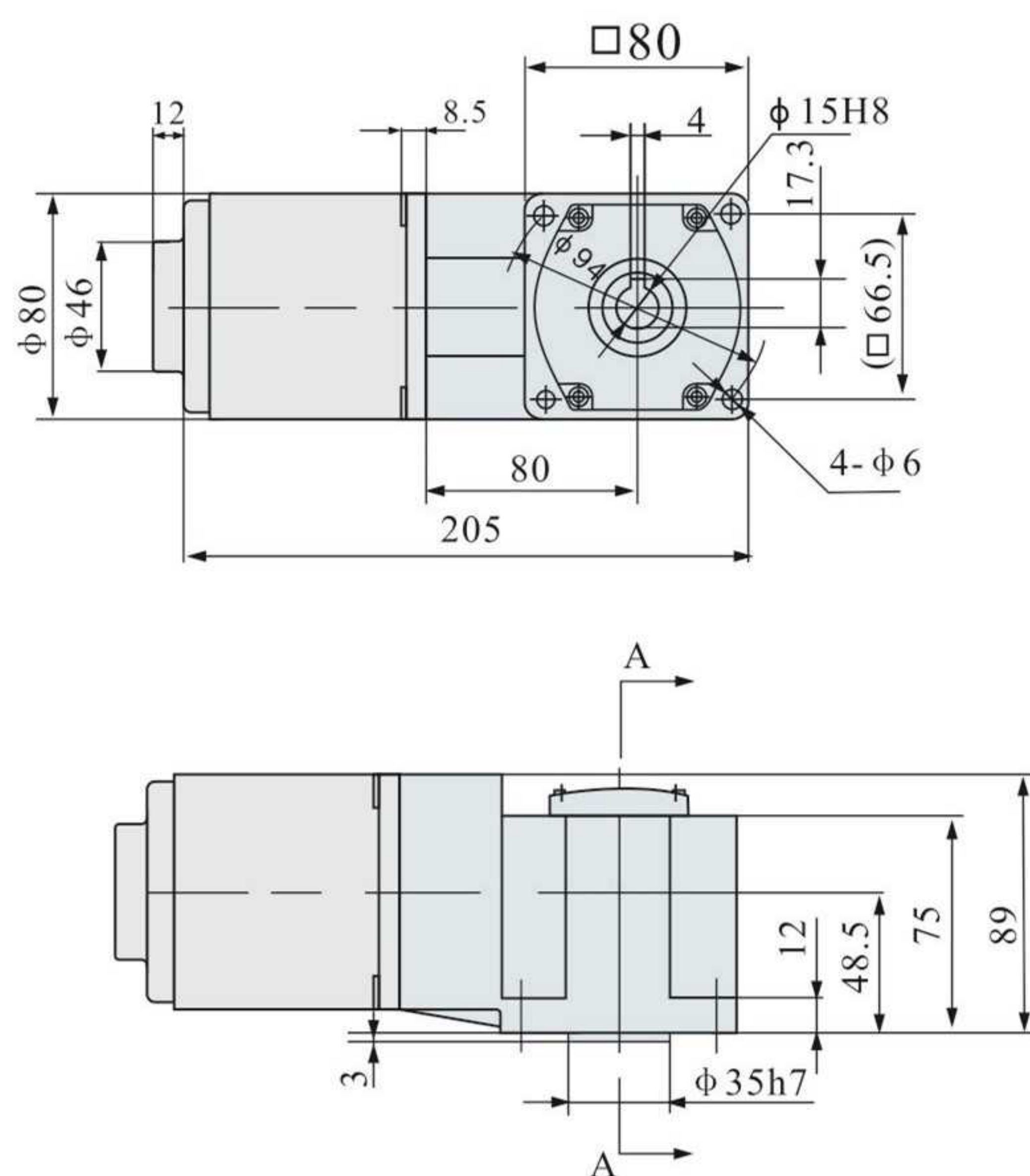
Combination: fixed speed / adjustable speed brake motor
+ right angle solid deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 3.8 kg



80型 CAD 尺寸
Model 80 CAD size

組合：調速電機+直角中空減速箱
減速比：1:10~1500
質量：3.4kg

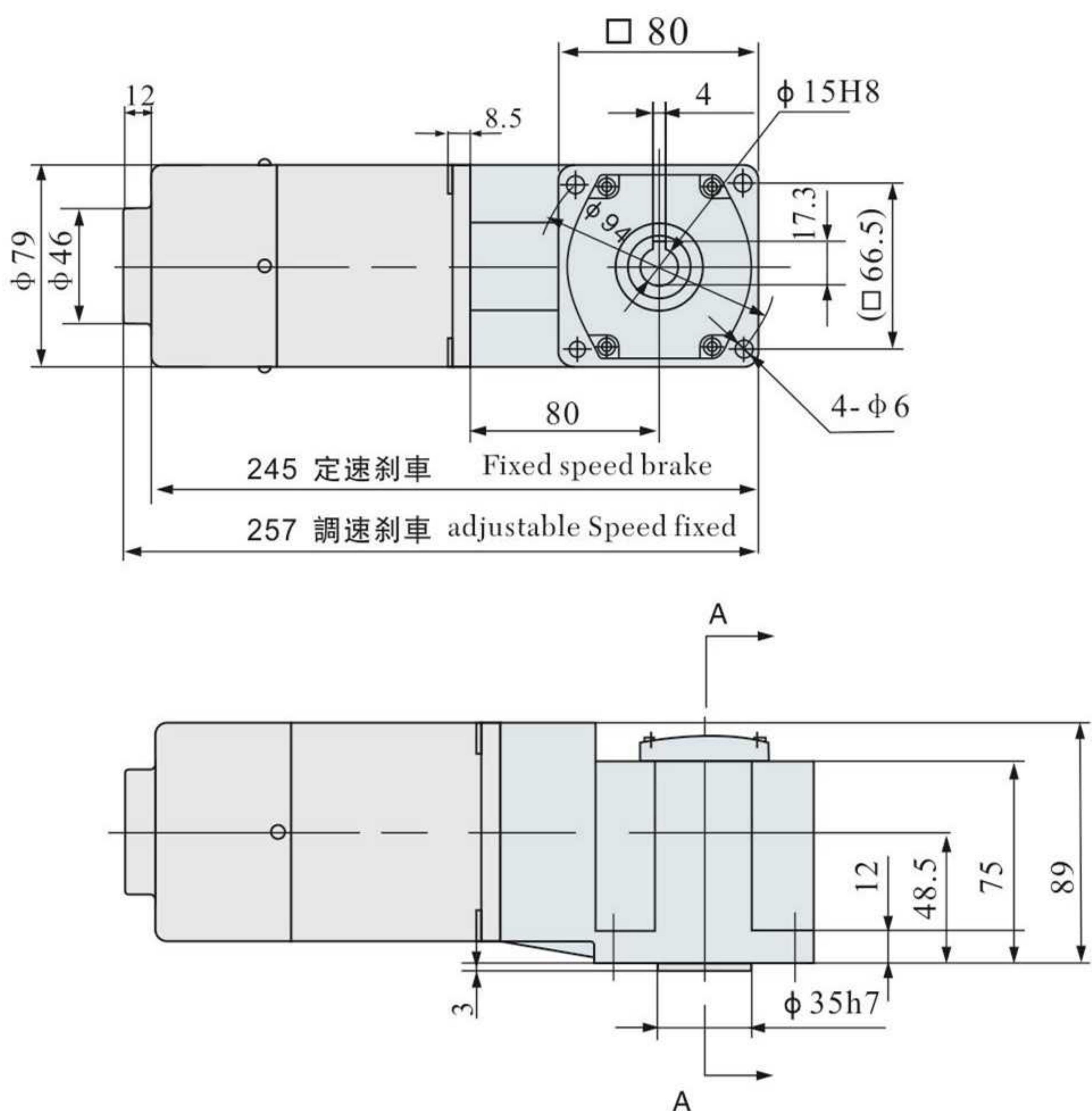
Combination: adjustable speed motor + right angle hollow deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 3.4kg



80型 CAD 尺寸
Model 80 CAD size

組合：剎車定速/調速電機+直角中空減速箱
減速比：1:10~1500
質量：3.7kg

Combination: fixed speed / adjustable speed brake motor +
right angle hollow deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 3.7kg



40W

90mm



電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容量/耐壓 Capacity/Ve μ F/VAC
公司型號 JWD types						mN.m	gf.cm	mN.m	gf.cm		
5IK40GN-C 5IK40A-C	感應 Induction	40	單相 1-phase 220	50	0.35	367	3670	294	2940	1300	2.5/450
				60	0.33	307	3070	246	2460	1550	2.5/450
5RK40GN-C 5RK40A-C	可逆 Reversible 30min			50	0.38	367	3670	294	2940	1300	3.0/450
				60	0.4	307	3070	246	2460	1550	3.0/450
5IK40GN-A 5IK40A-A	感應 Induction	40	單相 1-phase 110	50	0.70	367	3670	294	2940	1300	10/250
				60	0.72	307	3070	246	2460	1550	10/250
5RK40GN-A 5RK40A-A	可逆 Reversible 30min			50	0.76	367	3670	294	2940	1300	12/250
				60	0.80	307	3070	246	2460	1550	12/250
5IK40GN-U 5IK40A-U	——	40	三相 3-phase 380	50	0.24	367	3670	294	2940	1300	——
				60	0.22	307	3070	246	2460	1550	——
5RK40GN-S 5RK40A-S	——	40	三相 3-phase 220	50	0.42	367	3670	294	2940	1300	——
				60	0.38	307	3070	246	2460	1550	——

- 上表參數是指電機單體，不附加任何負荷裝置。
 - 電機額定轉速、額定電流允許在±5%範圍內變動。
- Parameters in above table refer to motor alone,without any load device.
 - Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed		500	300	250	200	150	120	100	75	60	50	40	35	30	25	20	15	12	10	8	7	6	5	3
	減速比i ratio		3	5	6	7.5	10	12.5	15	20	25	30	36	40	50	60	75	100	120	150	180	200	250	300	500
最大允許負載 Max allowable load	40W	$\frac{\text{kg.cm}}{\text{N.m}}$	7.3 0.72	12 1.18	14.5 1.43	18 1.77	24.2 2.4	30 2.94	36 3.53	43.6 4.28	55 5.0	65.5 6.24	78 7.7	87 8.57	98 9.64	100 9.81									

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
 - 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
 - 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in2~15%.
 - Hope to the table of the reduction ratio is greater than the further reduction,it would be installed between the motor and the reducer reduction ratiio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor,and a locked rotor situation exists,please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

直角中實減速箱

Right angle solid-shaft reduction gear box



型号:5GU □ RT-K

速比:1:10~1500

Model:5GU □ RT-K

Gear ratio:1:10~1500

90型 CAD 尺寸

Model 90 CAD size

組合：定速電機+直角中實減速箱

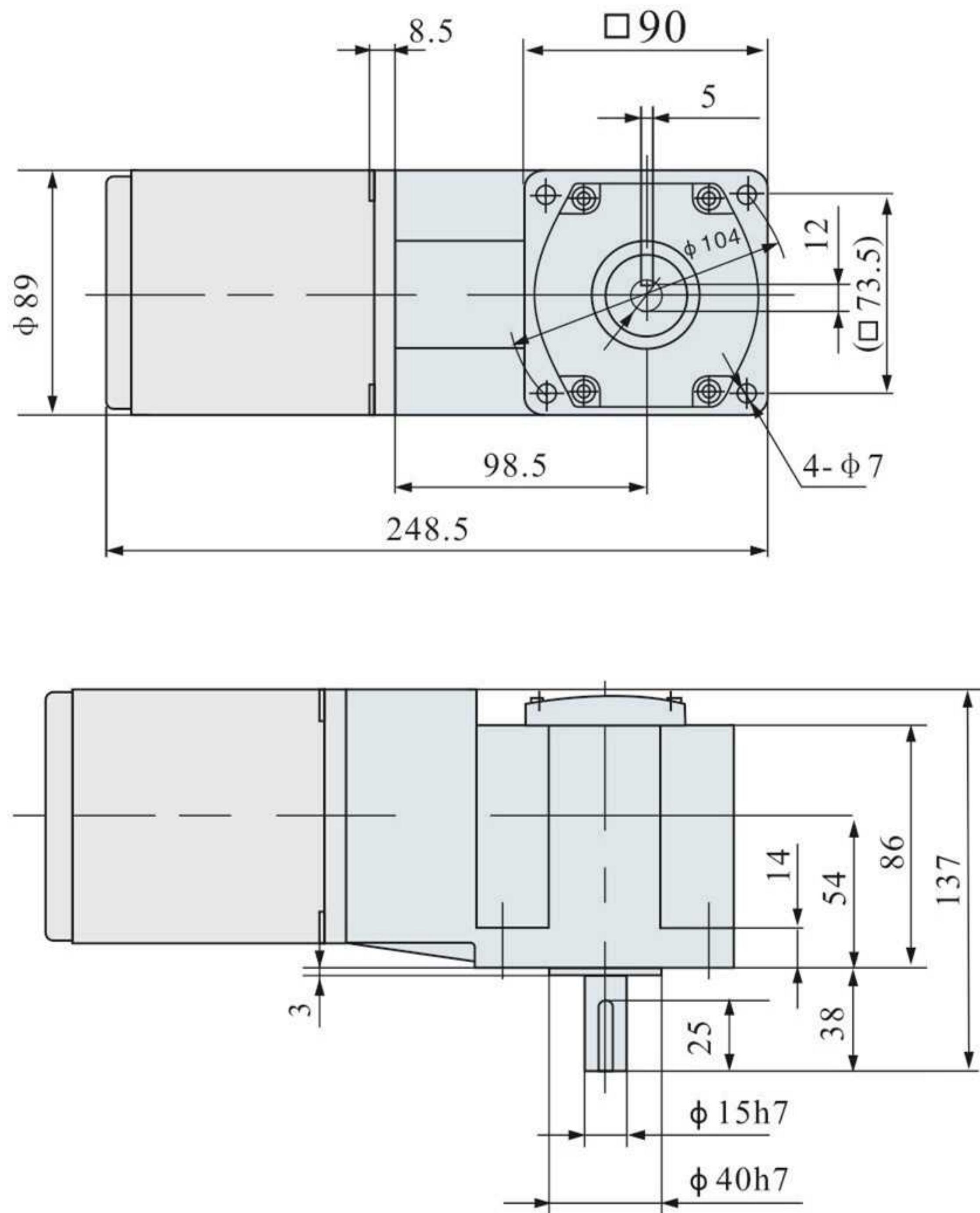
減速比：1:10~1500

質量：5.3kg

Combination: fixed speed motor + right angle solid reduction gear box

Deceleration ratio: 1:10~1500

Mass: 5.3kg



直角中空減速箱

Right angle hollow-shaft reduction gear box



型号:5GU □ RC-K

速比:1:10~1500

Model:5GU □ RC-K

Gear ratio:1:10~1500

90型 CAD 尺寸

Model 90 CAD size

組合：定速電機+直角中空減速箱

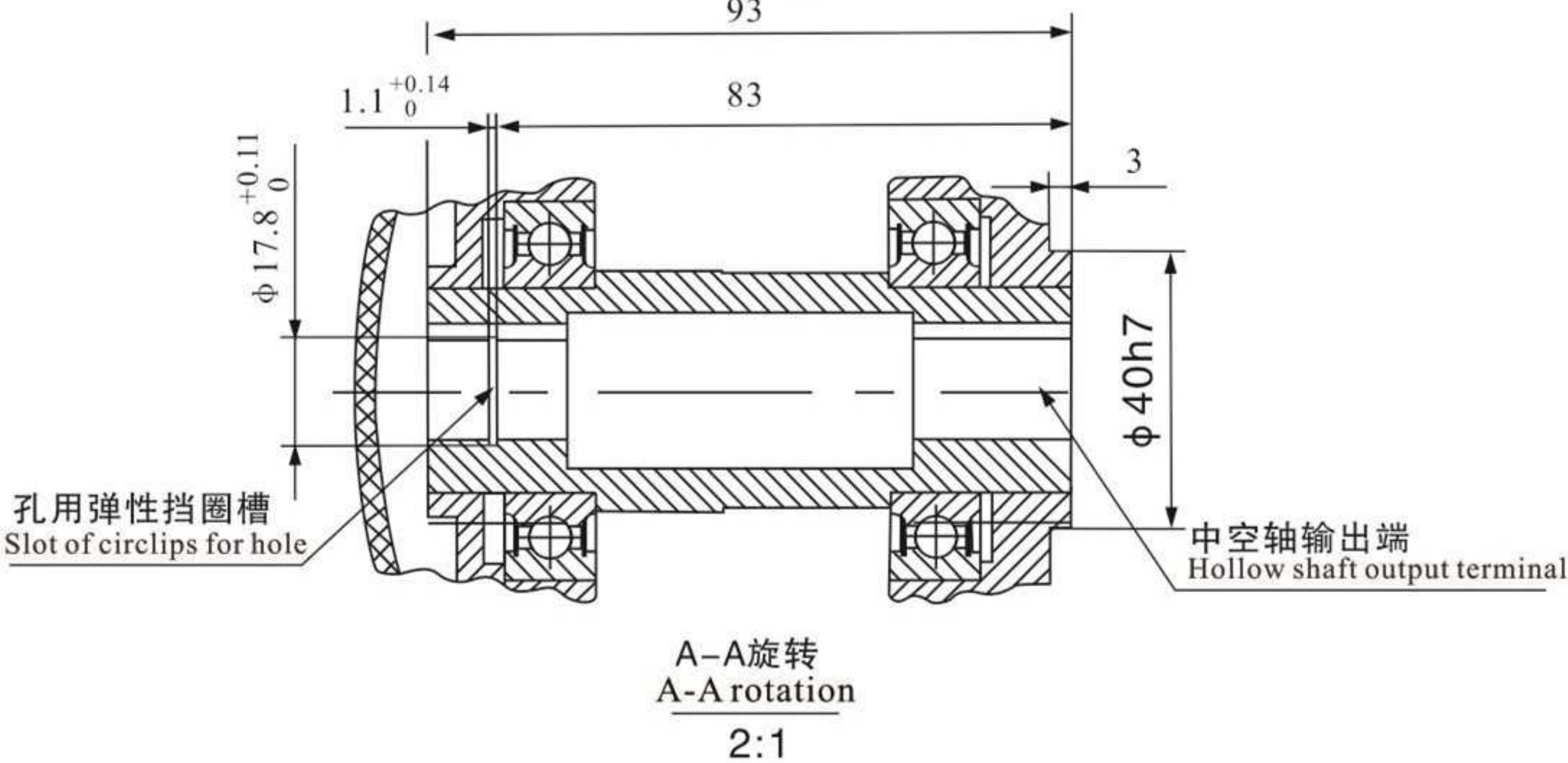
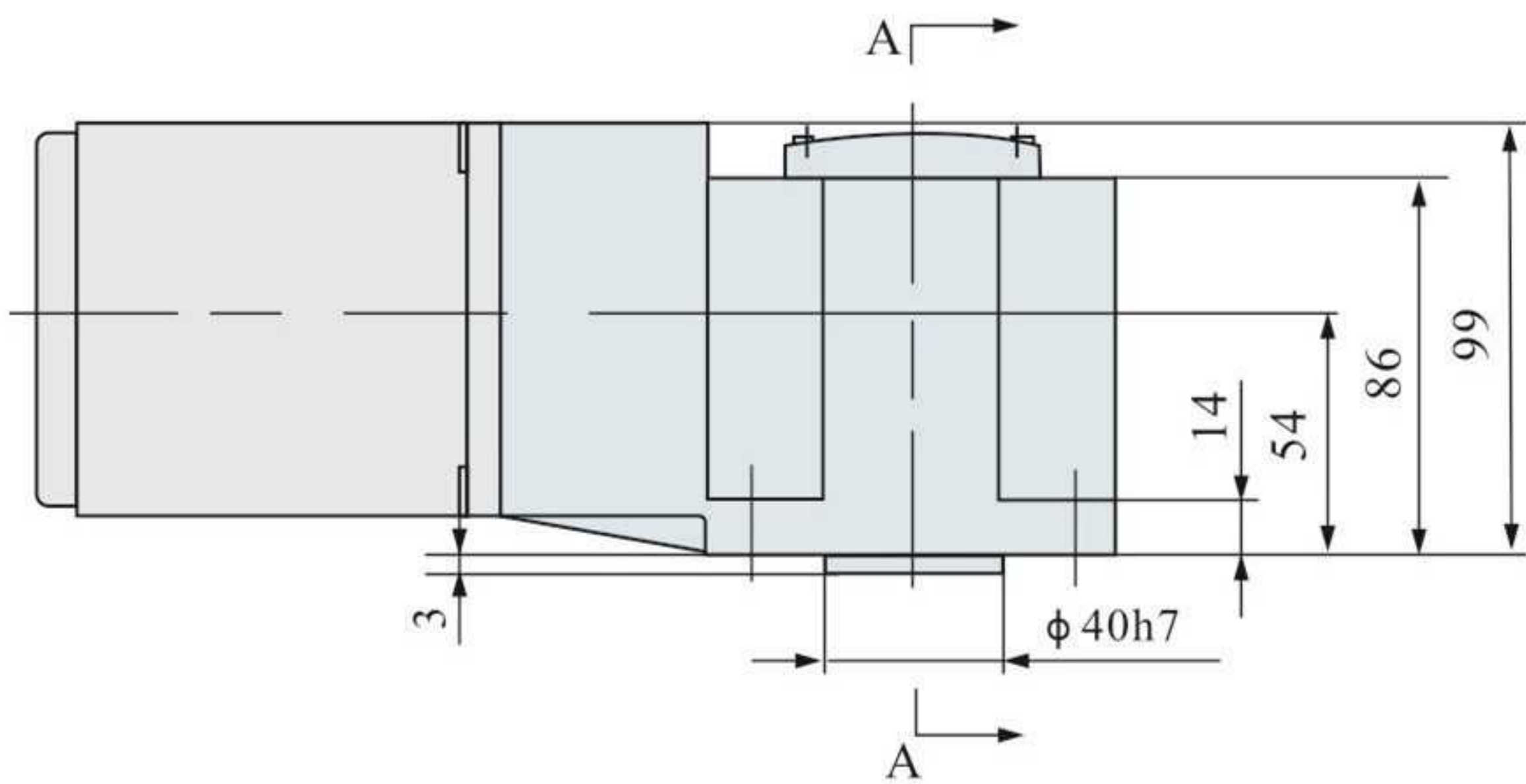
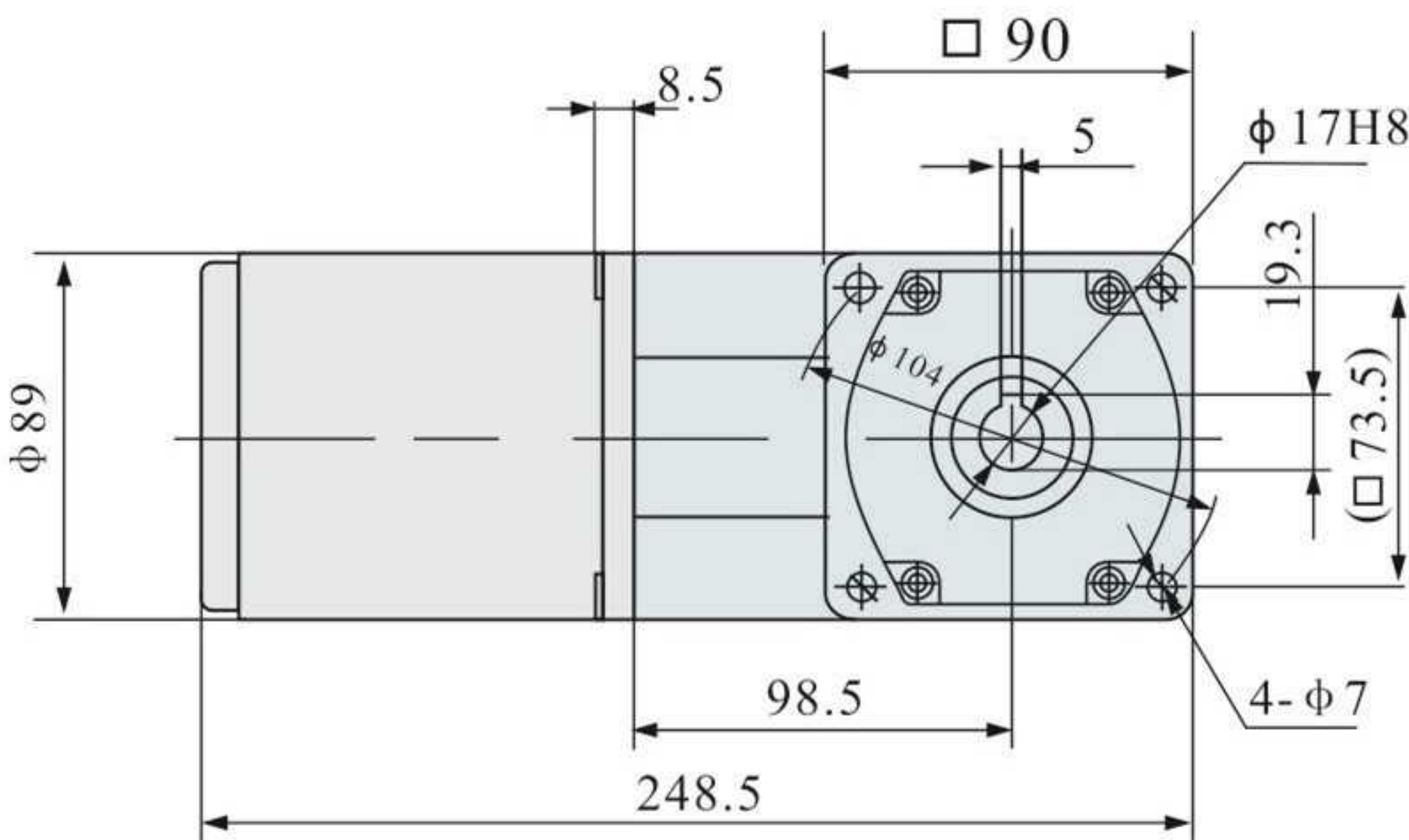
減速比：1:10~1500

質量：5.2kg

Combination: fixed speed motor + right angle hollow reduction gear box

Deceleration ratio: 1:10~1500

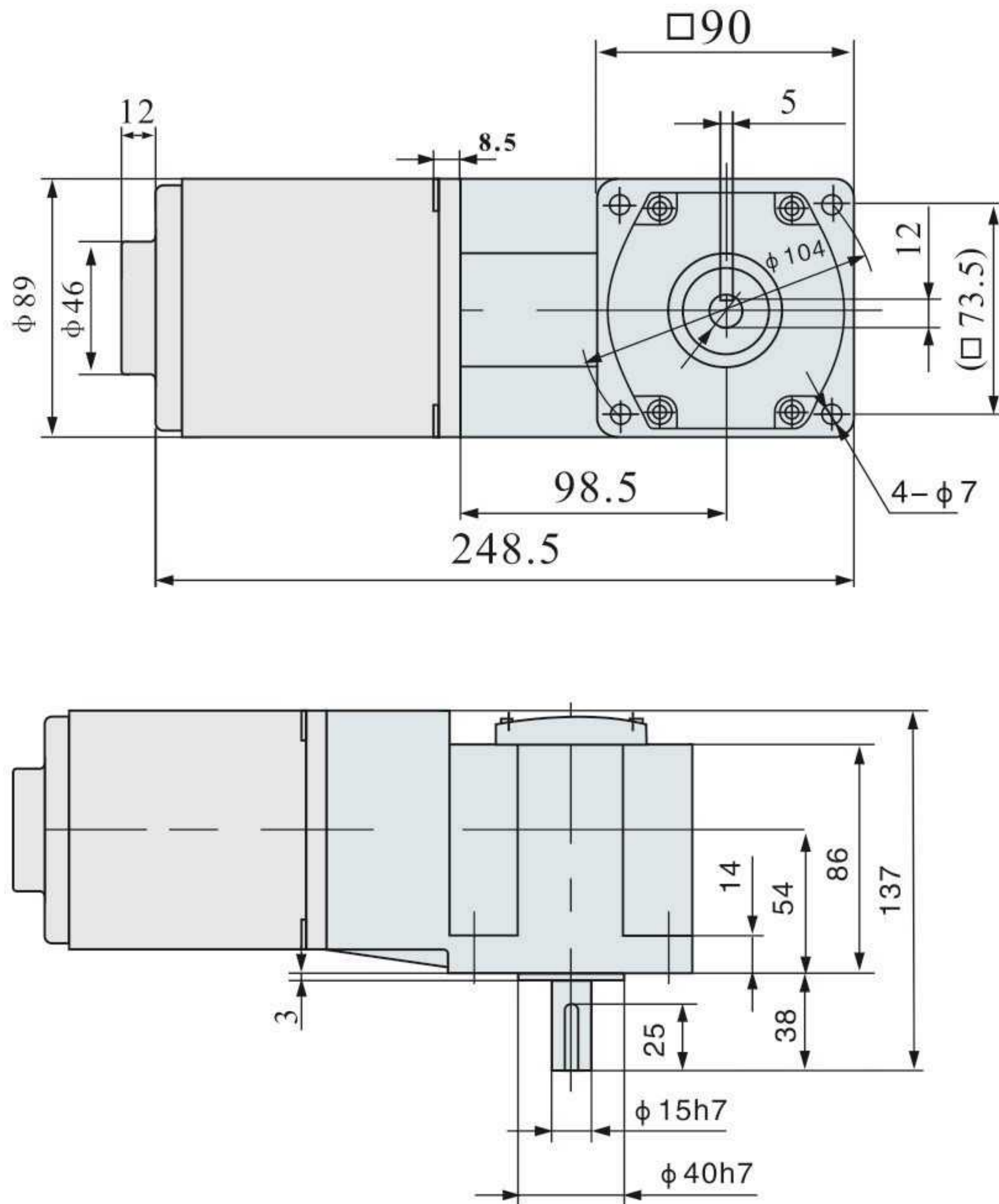
Mass: 5.2kg



90型 CAD 尺寸 Model 90 CAD size

組合：調速電機+直角中實減速箱
減速比：1:10~1500
質量：5.4kg

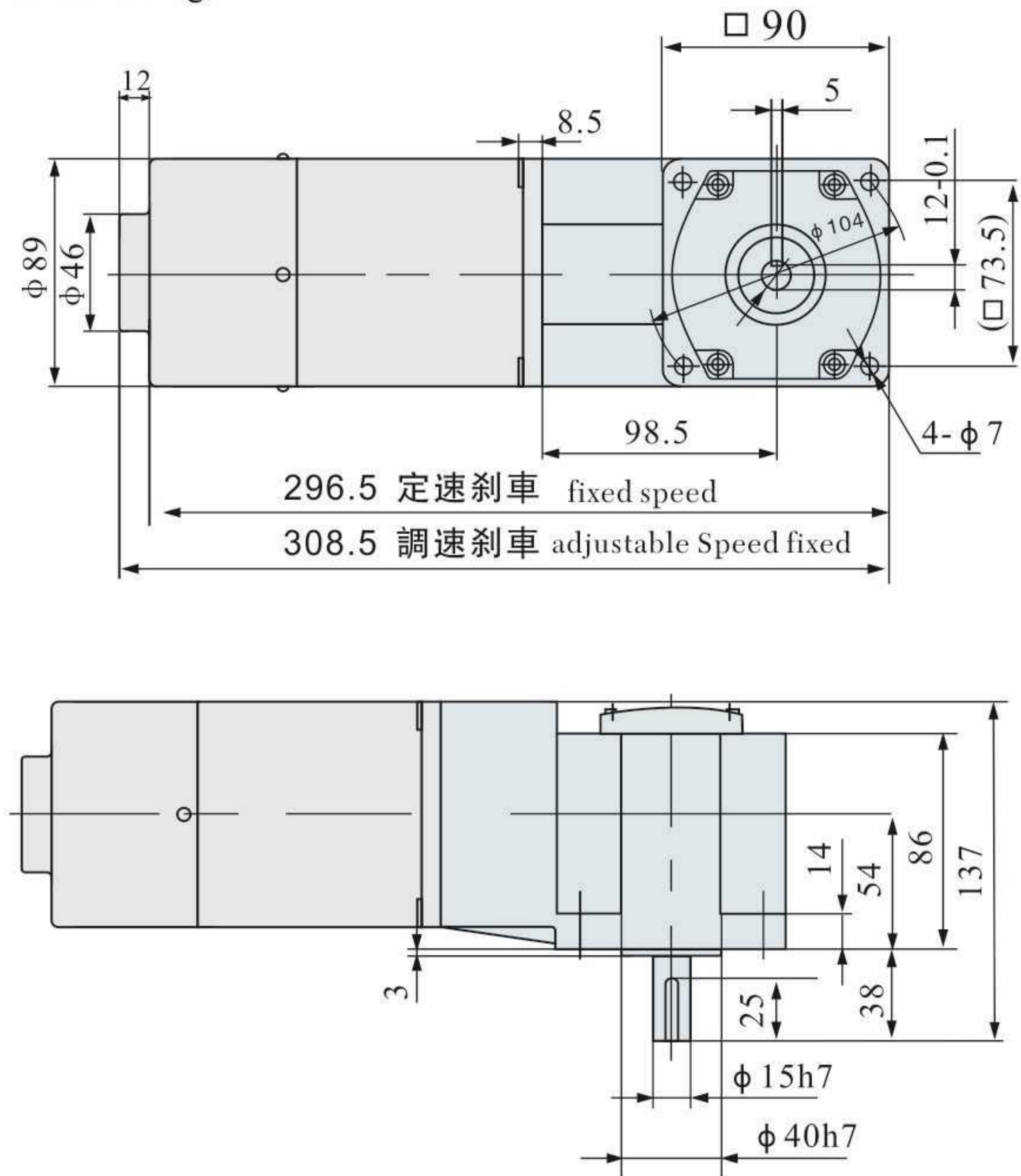
Combination: adjustable speed motor + right angle solid reduction gear box
Deceleration ratio: 1:10~1500
Mass: 5.4kg



90型 CAD 尺寸 Model 90 CAD size

組合：剎車定速/調速電機+直角中實減速箱
減速比：1:10~1500
質量：5.7kg

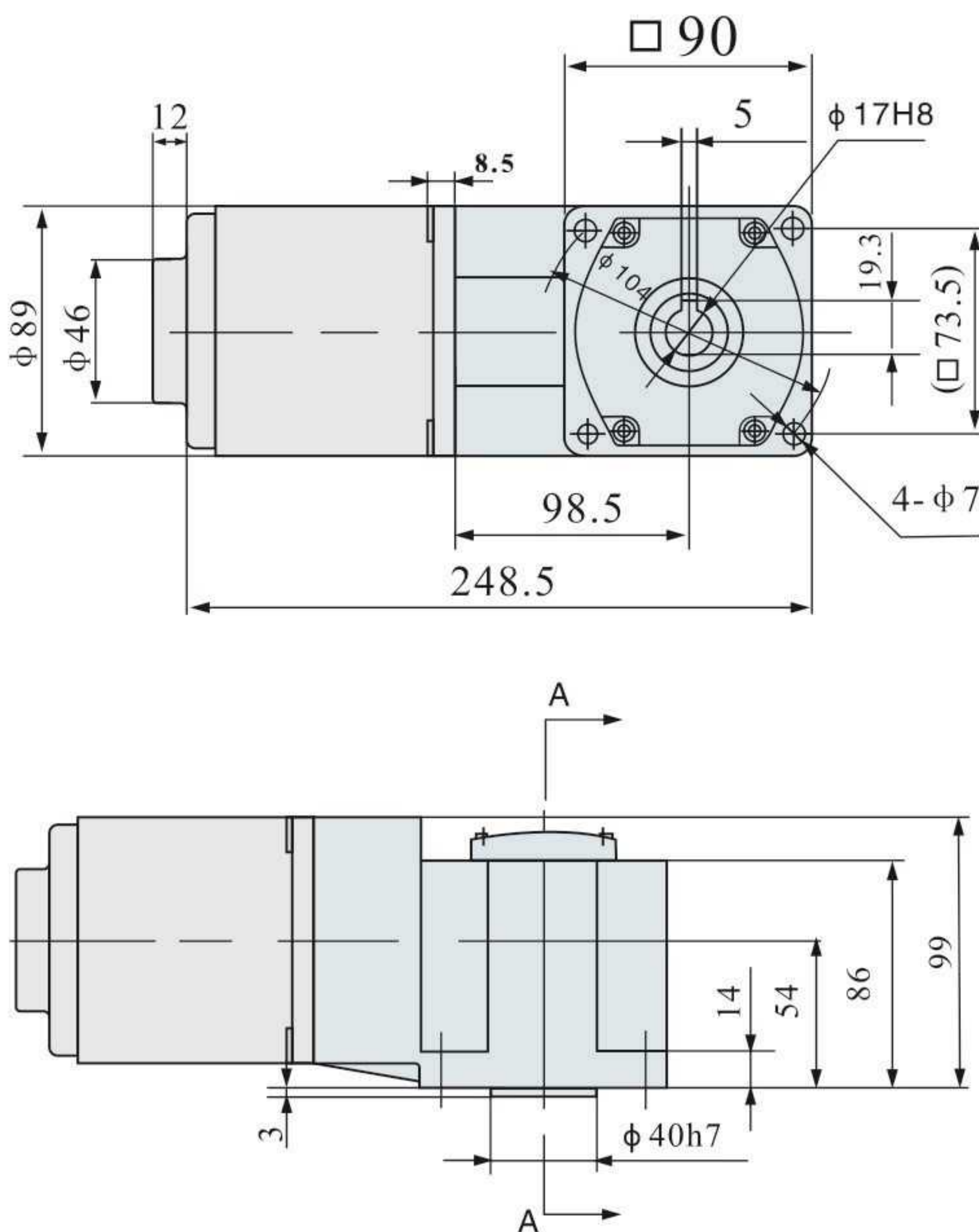
Combination: fixed speed / adjustable speed brake motor + right angle solid deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 5.7 kg



90型 CAD 尺寸 Model 90 CAD size

組合：調速電機+直角中空減速箱
減速比：1:10~1500
質量：5.3kg

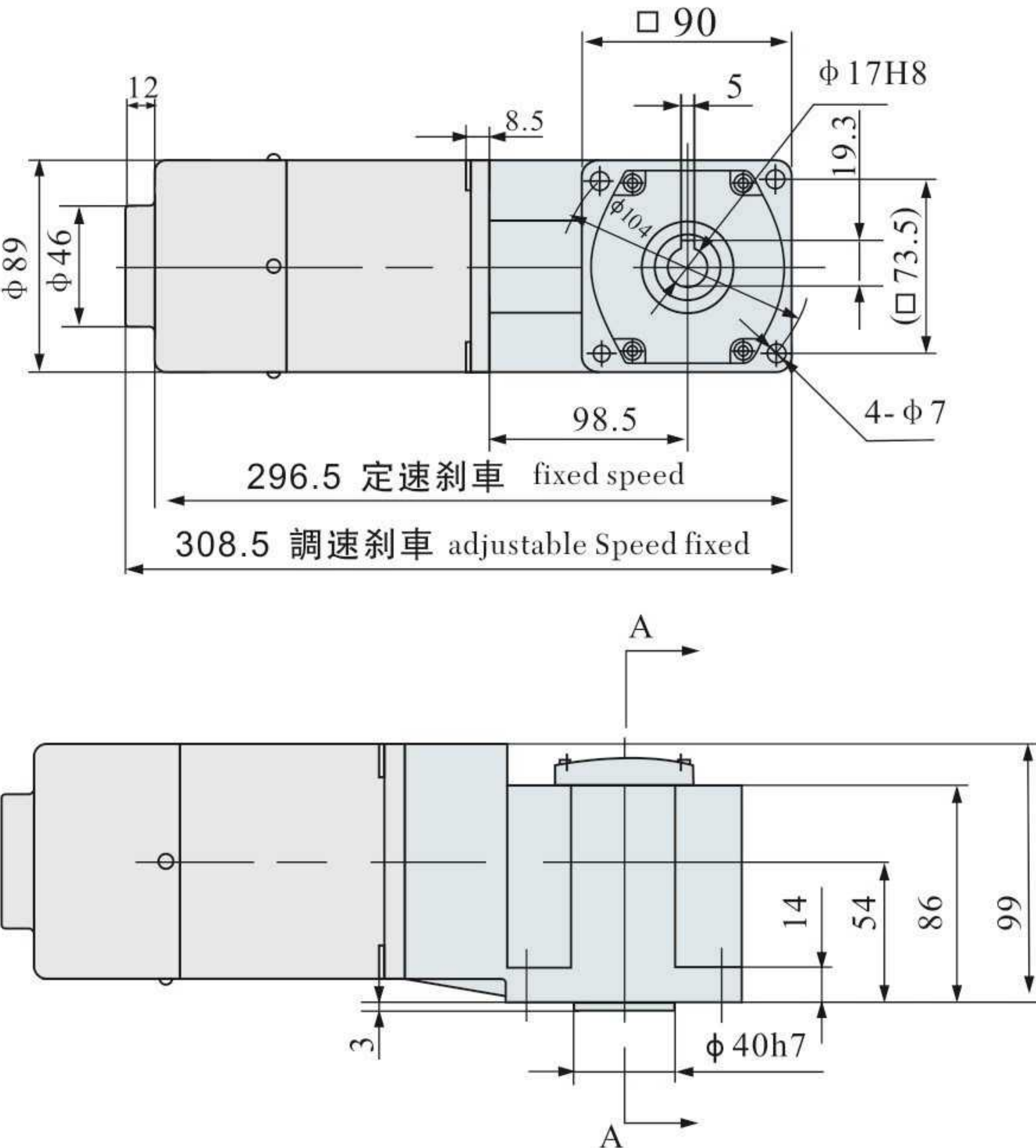
Combination: adjustable speed motor + right angle hollow deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 5.3kg



90型 CAD 尺寸 Model 90 CAD size

組合：剎車定速/調速電機+直角中空減速箱
減速比：1:10~1500
質量：5.6kg

Combination: fixed speed / adjustable speed brake motor + right angle hollow deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 5.6kg



60W

□90mm



電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容容量/耐壓 Capacity/Ve μ F/VAC
公司型號 JWD types						mN.m	gf.cm	mN.m	gf.cm		
5IK60GN-CF 5IK60A-CF	感應 Induction	60	單相 1-phase 220	50	0.45	551	5510	441	4410	1350	3.5/450
				60	0.48	462	4620	370	3700	1550	3.5/450
5RK60GN-CF 5RK60A-CF	可逆 Reversible 30min			50	0.5	837	8370	670	6700	1350	4/450
				60	0.52	692	6920	554	5540	1550	4/450
5IK60GN-AF 5IK60A-AF	感應 Induction	60	單相 1-phase 110	50	0.90	551	5510	441	4410	1350	14/250
				60	0.88	462	4620	370	3700	1550	14/250
5RK60GN-AF 5RK60A-AF	可逆 Reversible 30min			50	1.0	837	8370	670	6700	1350	16/250
				60	1.2	692	6920	554	5540	1550	16/250
5IK60GN-UF 5IK60A-UF	——	60	三相 3-phase 380	50	0.30	551	5510	441	4410	1350	——
				60	0.28	462	4620	370	3700	1550	——
5RK60GN-SF 5RK60A-SF	——	60	三相 3-phase 220	50	0.52	551	5510	441	4410	1350	——
				60	0.48	462	4620	370	3700	1550	——

- 上表參數是指電機單體，不附加任何負荷裝置。
 - 電機額定轉速、額定電流允許在±5%範圍內變動。
- Parameters in above table refer to motor alone,without any load device.
 - Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter			同步轉速r/mn Synchronous speed			500	375	300	250	200	150	120	100	75	60	50	40	35	30	25	20	15	12	10	8	7	6	5	3
			減速比i ratio			3	4	5	6	7.5	10	12.5	15	20	25	30	36	40	50	60	75	100	120	150	180	200	250	300	500
最大允許負載 Max allowable load		60W	kg.cm N.m	11	14.6	18	21.8	27	36	41	50	65	81	98	117	130	147	200 19.6											
				1.08	1.42	1.77	2.14	2.64	3.57	4.02	4.80	6.24	8.03	9.64	11.5	12.8	14.4												

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
 - 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
 - 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of .Actual speed will vary the size of the load changes in less than the values shown in2~15%.
 - Hope to the table of the reduction ratio is greater than the further reduction,it would be installed between the motor and the reducer reduction ratiio of 10 the middle of the reducer.
 - When the load torque exceeds the maximum allowable load torque gear motor,and a locked rotor situation exists,please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

直角中實減速箱

Right angle solid-shaft reduction gear box



型号:5GU □ RT-K

速比:1:10~1500

Model:5GU □ RT-K

Gear ratio:1:10~1500

90型 CAD 尺寸

Model 90 CAD size

組合：定速電機+直角中實減速箱

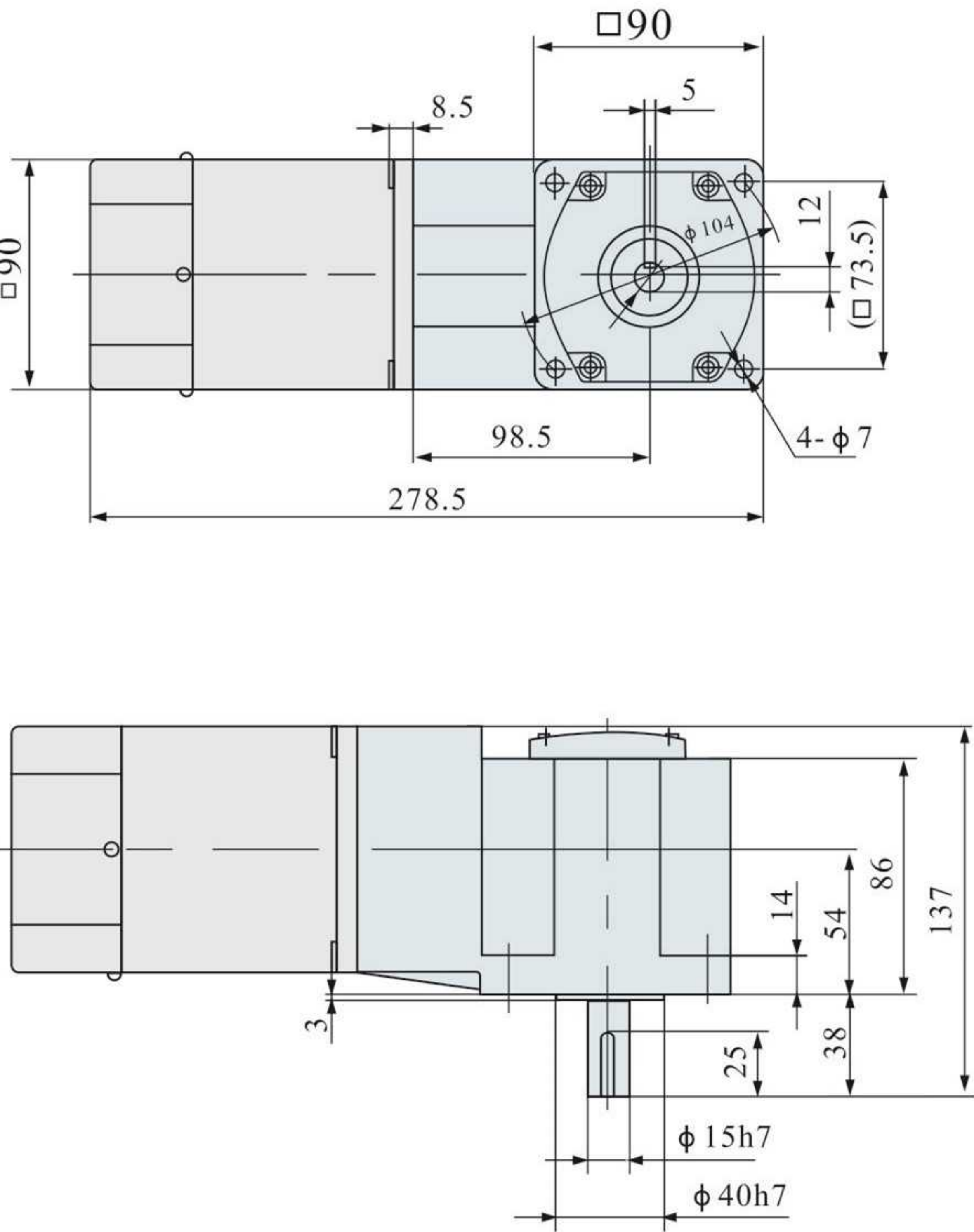
減速比：1:10~1500

質量：5.4kg

Combination: fixed speed motor + right angle solid reduction gear box

Deceleration ratio: 1:10~1500

Mass: 5.4kg



直角中空減速箱

Right angle hollow-shaft reduction gear box



型号:5GU □ RC-K

速比:1:10~1500

Model:5GU □ RC-K

Gear ratio:1:10~1500

90型 CAD 尺寸

Model 90 CAD size

組合：定速電機+直角中空減速箱

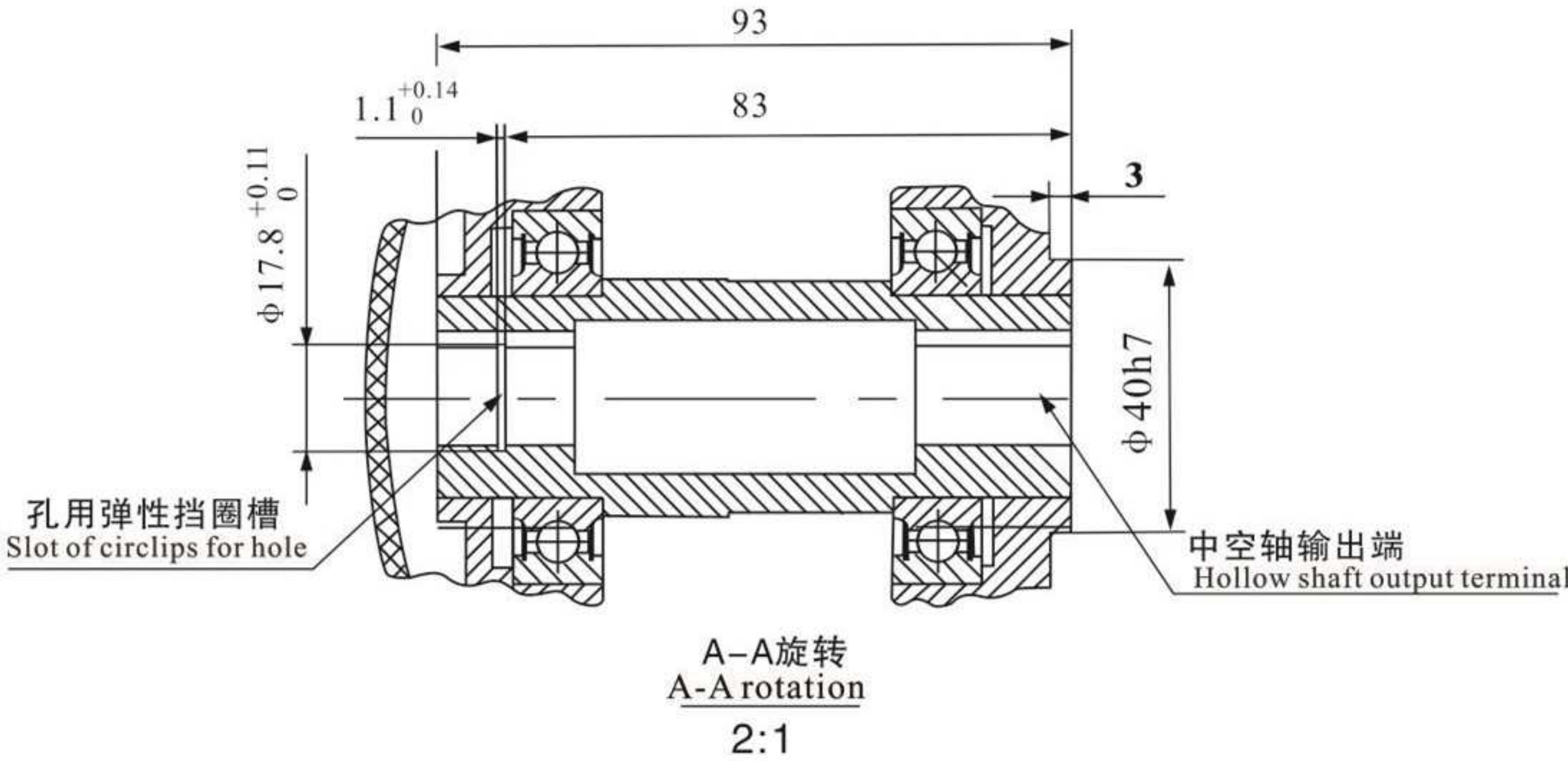
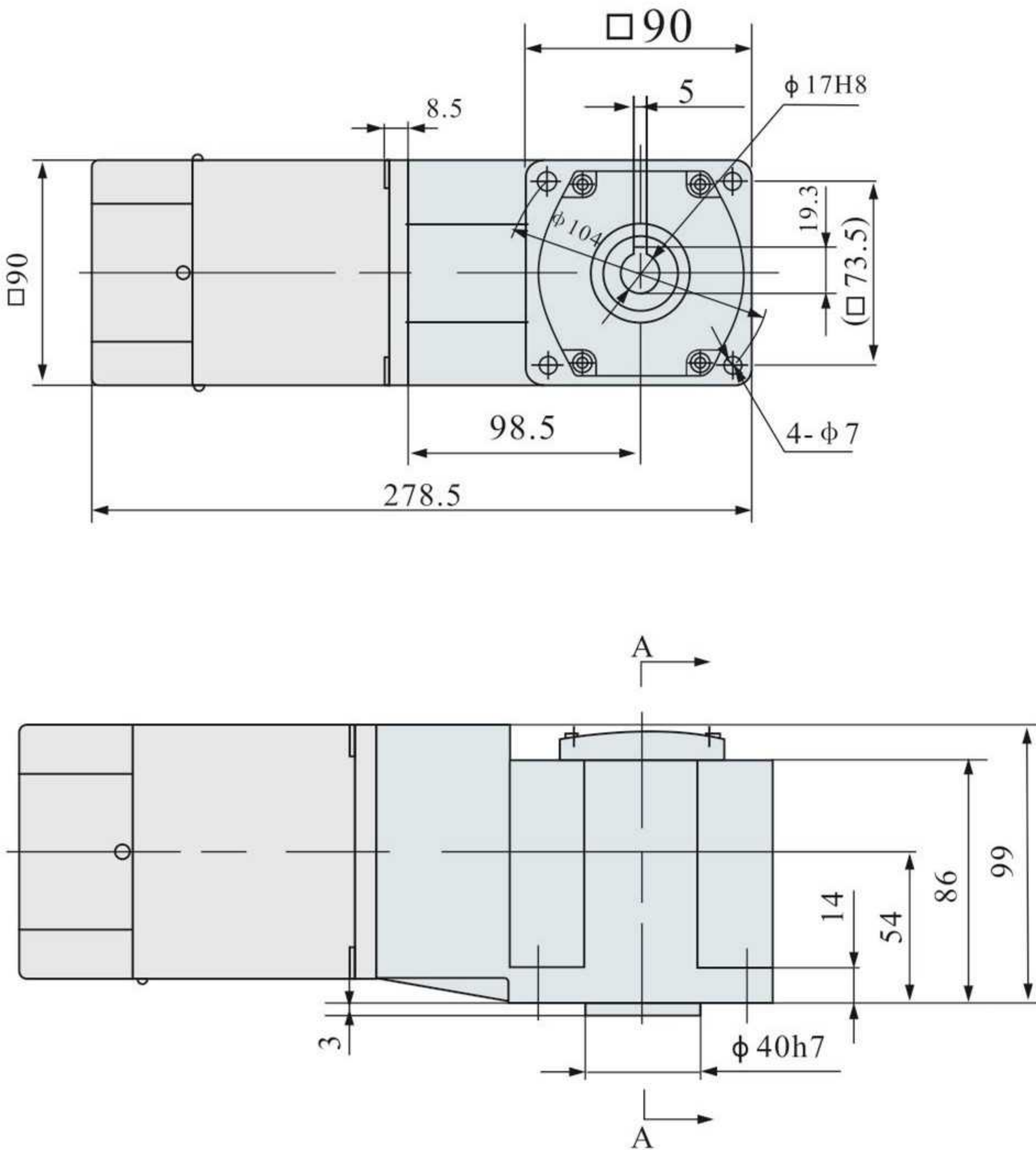
減速比：1:10~1500

質量：5.3kg

Combination: fixed speed motor + right angle hollow reduction gear box

Deceleration ratio: 1:10~1500

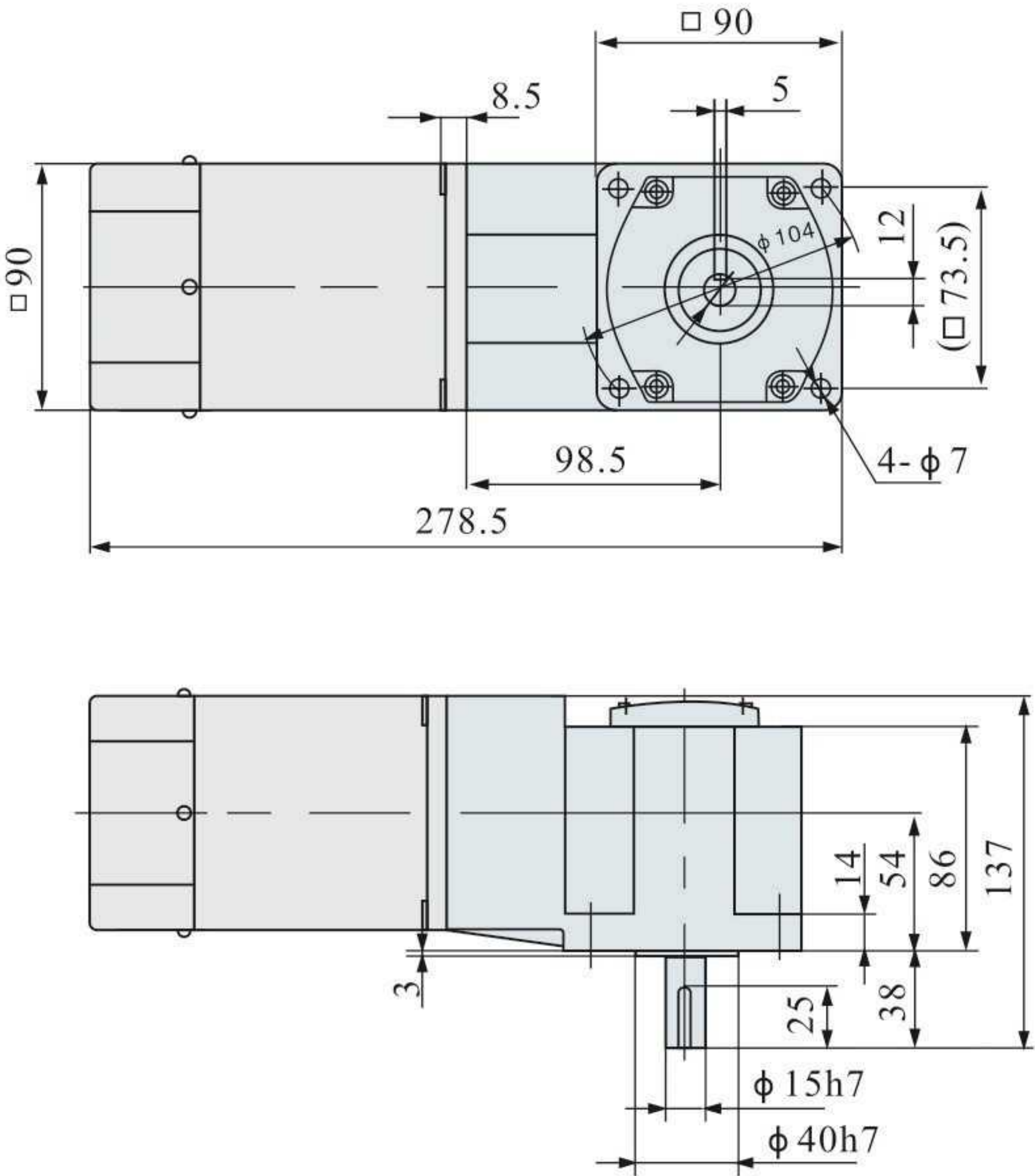
Mass: 5.3kg



90型 CAD 尺寸
Model 90 CAD size

組合：調速電機+直角中實減速箱
減速比：1:10~1500
質量：5.5kg

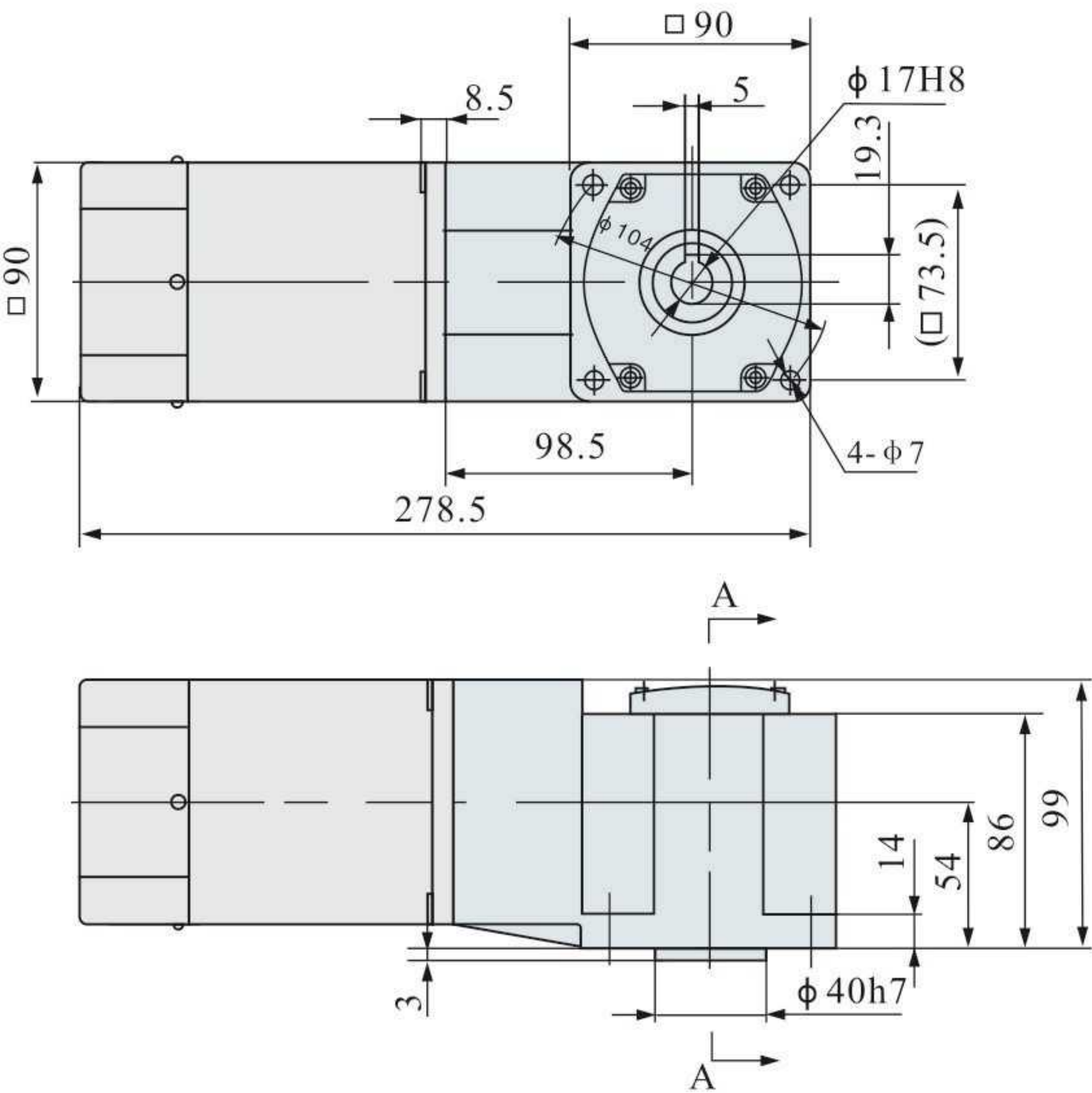
Combination: adjustable speed motor + right angle solid reduction gear box
Deceleration ratio: 1:10~1500
Mass: 5.5kg



90型 CAD 尺寸
Model 90 CAD size

組合：調速電機+直角中空減速箱
減速比：1:10~1500
質量：5.4kg

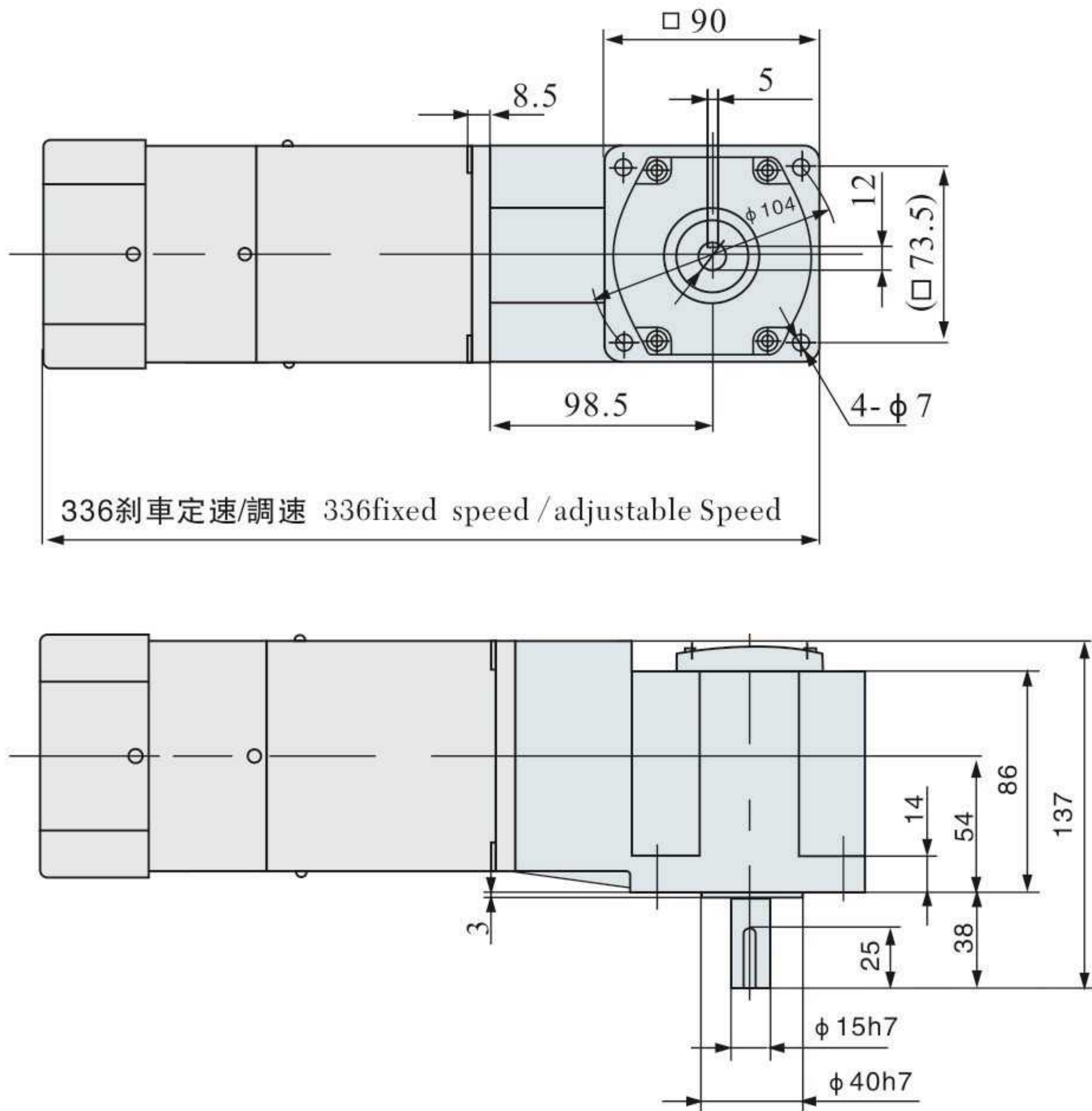
Combination: adjustable speed motor + right angle hollow deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 5.4kg



90型 CAD 尺寸
Model 90 CAD size

組合：剎車定速/調速電機+直角中實減速箱
減速比：1:10~1500
質量：6.1kg

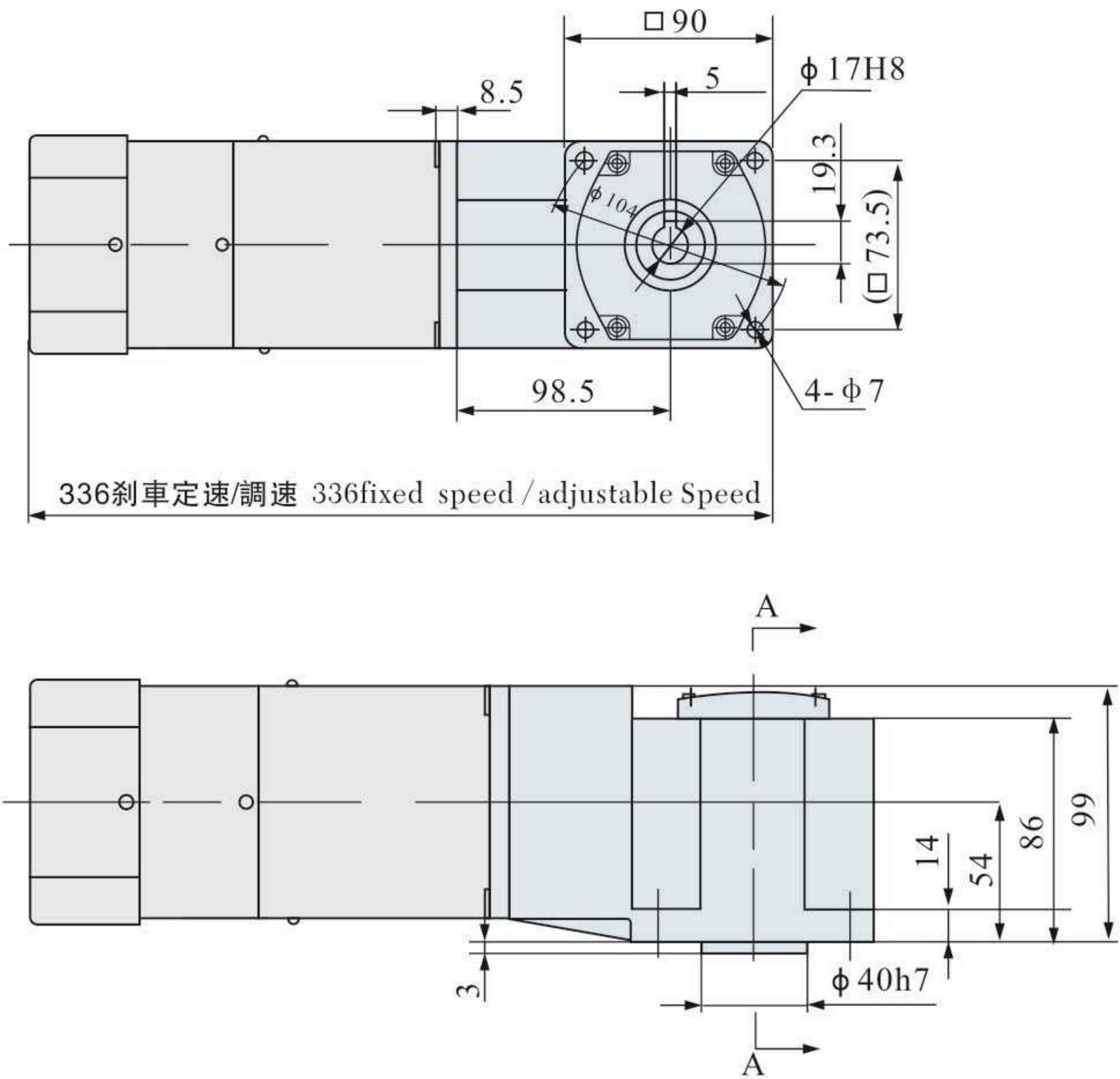
Combination: fixed speed / adjustable speed brake motor + right angle solid deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 6.1 kg



90型 CAD 尺寸
Model 90 CAD size

組合：剎車定速/調速電機+直角中空減速箱
減速比：1:10~1500
質量：6kg

Combination: fixed speed / adjustable speed brake motor + right angle hollow deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 6kg

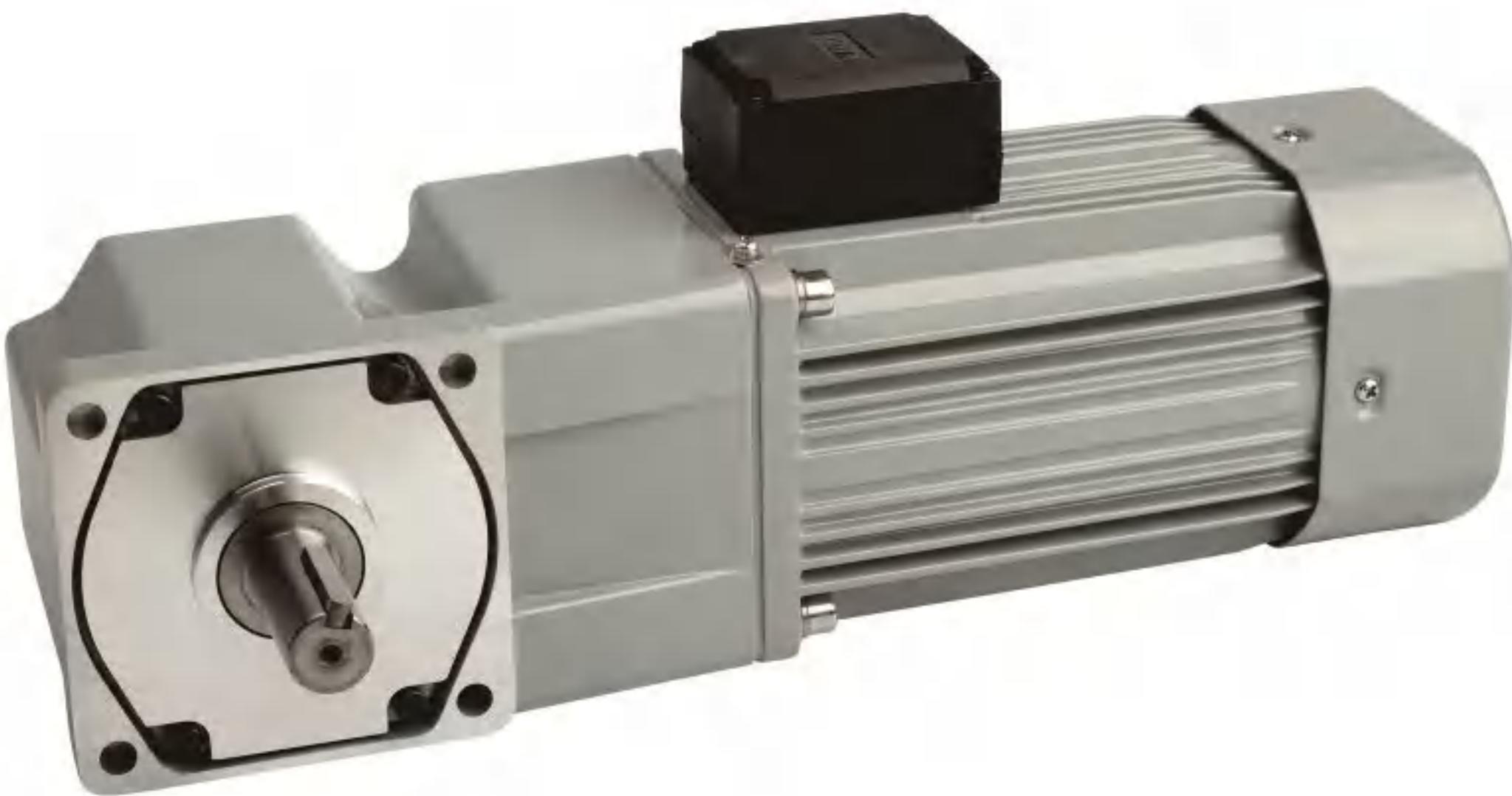


90/120W

□90mm

電機特性

List of motor characteristics



電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated	電容容量/耐壓 Capacity/Ve μ F/VAC
公司型號 JWD types						mN.m	gf.cm	mN.m	gf.cm	Revolution r/min	
5IK90GU-CF 5IK90A-CF	感應 Induction	90	單相 1-phase 220	50	0.62	837	8370	670	6700	1350	5/450
				60	0.60	692	6920	554	5540	1550	5/450
5RK90GU-CF 5RK90A-CF	可逆 Reversible 30min			50	0.68	837	8370	670	6700	1350	6/450
				60	0.72	692	6920	554	5540	1550	6/450
5IK90GU-AF 5IK90A-AF	感應 Induction	90	單相 1-phase 110	50	1.25	837	8370	670	6700	1350	20/250
				60	1.2	692	6920	554	5540	1550	18/250
5RK90GU-AF 5RK90A-AF	可逆 Reversible 30min			50	1.38	837	8370	670	6700	1350	24/250
				60	1.5	692	6920	554	5540	1550	24/250
5IK90GU-UF 5IK90A-UF	——	90	三相 3-phase 380	50	0.32	837	8370	670	6700	1350	——
				60	0.3	692	6920	554	5540	1500	——
5RK90GU-SF 5RK90A-SF	——	90	三相 3-phase 220	50	0.55	837	8370	670	6700	1350	——
				60	0.48	692	6920	554	5540	1500	——
5IK120GU-CF 5IK120A-CF	感應 Induction	120	單相 1-phase 220	50	0.85	1137	11370	910	9100	1350	6/450
				60	0.82	955	9550	764	7640	1500	6/450
5RK120GU-CF 5RK120A-CF	可逆 Reversible 30min			50	0.95	1137	11370	910	9100	1350	8/450
				60	1.0	955	9550	764	7640	1500	8/450
5IK120GU-AF 5IK120A-AF	感應 Induction	120	單相 1-phase 110	50	1.7	1137	11370	910	9100	1350	24/250
				60	1.65	955	9550	764	7640	1500	24/250
5RK120GU-AF 5RK120A-AF	可逆 Reversible 30min			50	1.9	1137	11370	910	9100	1350	30/250
				60	2.1	955	9550	764	7640	1500	30/250
5RK120GU-UF 5RK120A-UF	——	120	三相 3-phase 380	50	0.34	1137	11370	910	9100	1350	——
				60	0.31	955	9550	764	7640	1500	——
5RK120GU-SF 5RK120A-SF	——	120	三相 3-phase 220	50	0.59	1137	11370	910	9100	1350	——
				60	0.54	955	9550	764	7640	1500	——

- 上表參數是指電機單體，不附加任何負荷裝置。
 - 電機額定轉速、額定電流允許在±5%範圍內變動。
- Parameters in above table refer to motor alone,without any load device.
 - Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed		500	300	250	200	150	120	100	75	60	50	45	37.5	30	25	20	15	12.5	10	8	7.5	6	5	3
	減速比i ratio		3	5	6	7.5	10	12.5	15	20	25	30	36	40	50	60	75	100	120	150	180	200	250	300	500
最大允許負載 Max allowable load	90W	$\frac{\text{kg.cm}}{\text{N.m}}$	15.7 1.54	26.5 2.6	31.5 3.1	39.4 3.86	52.5 5.15	65.7 6.44	71 6.96	94.6 9.28	118 11.6	141 13.9	170 16.7	189 18.5	200 19.6										
	120W	$\frac{\text{kg.cm}}{\text{N.m}}$	21.5 2.11	36 3.52	42 4.13	54 5.28	70 6.88	87.5 8.59	98 9.6	126 12.4	148 14.5	189 18.5	200 19.6												

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
 - 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
 - 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in2~15%.
 - Hope to the table of the reduction ratio is greater than the further reduction,it would be installed between the motor and the reducer reduction ratiio of 10 the middle of the reducer.
 - When the load torque exceeds the maximum allowable load torque gear motor,and a locked rotor situation exists,please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

直角中實減速箱

Right angle solid-shaft reduction gear box



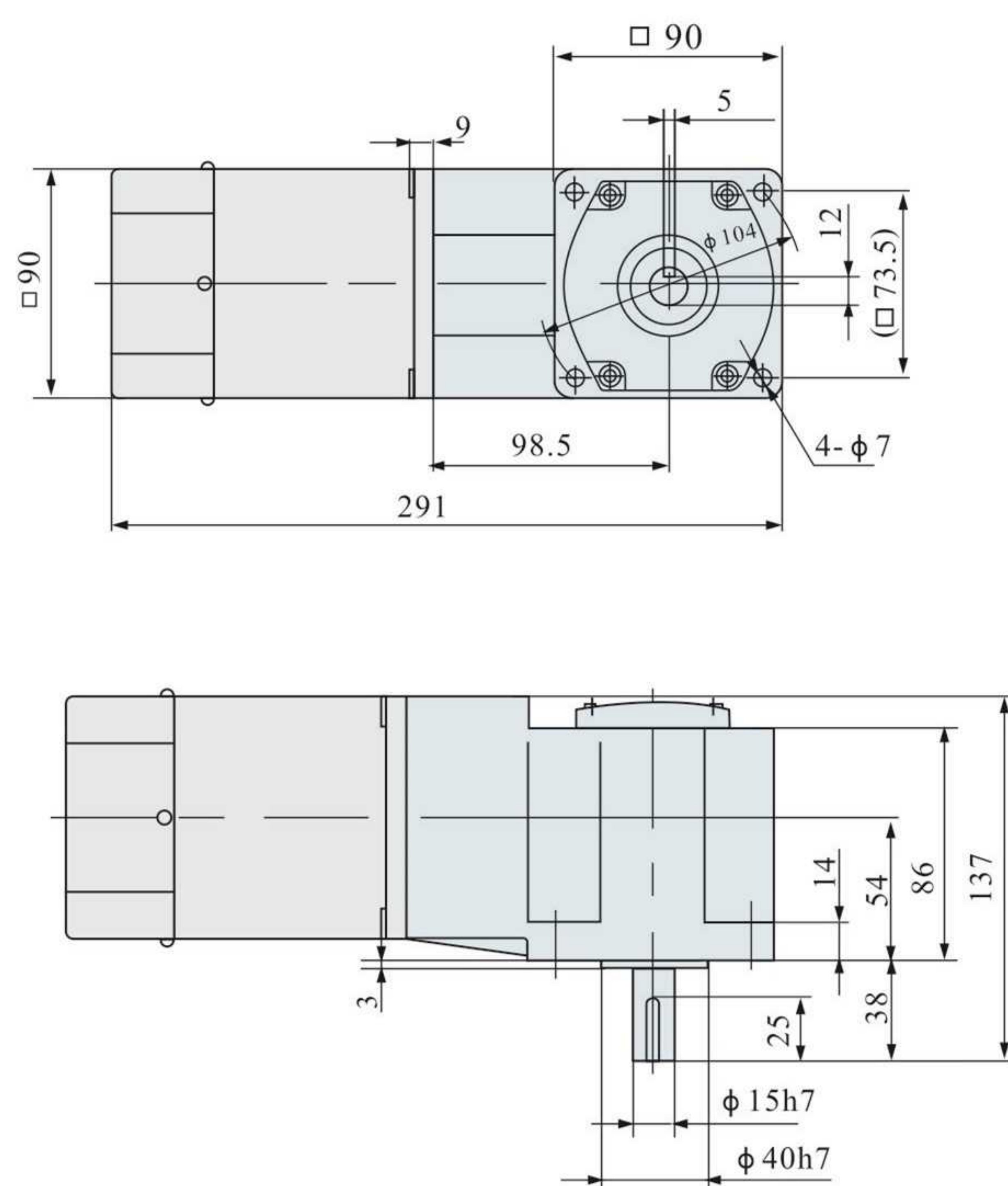
型号:5GU □ RT-K
速比:1:10~1500

Model:5GU □ RT-K
Gear ratio:1:10~1500

90型 CAD 尺寸 Model 90 CAD size

組合：定速電機+直角中實減速箱
減速比：1:10~1500
質量：5.9kg

Combination: fixed speed motor + right angle solid reduction gear box
Deceleration ratio: 1:10~1500
Mass: 5.9kg



直角中空減速箱

Right angle hollow-shaft reduction gear box



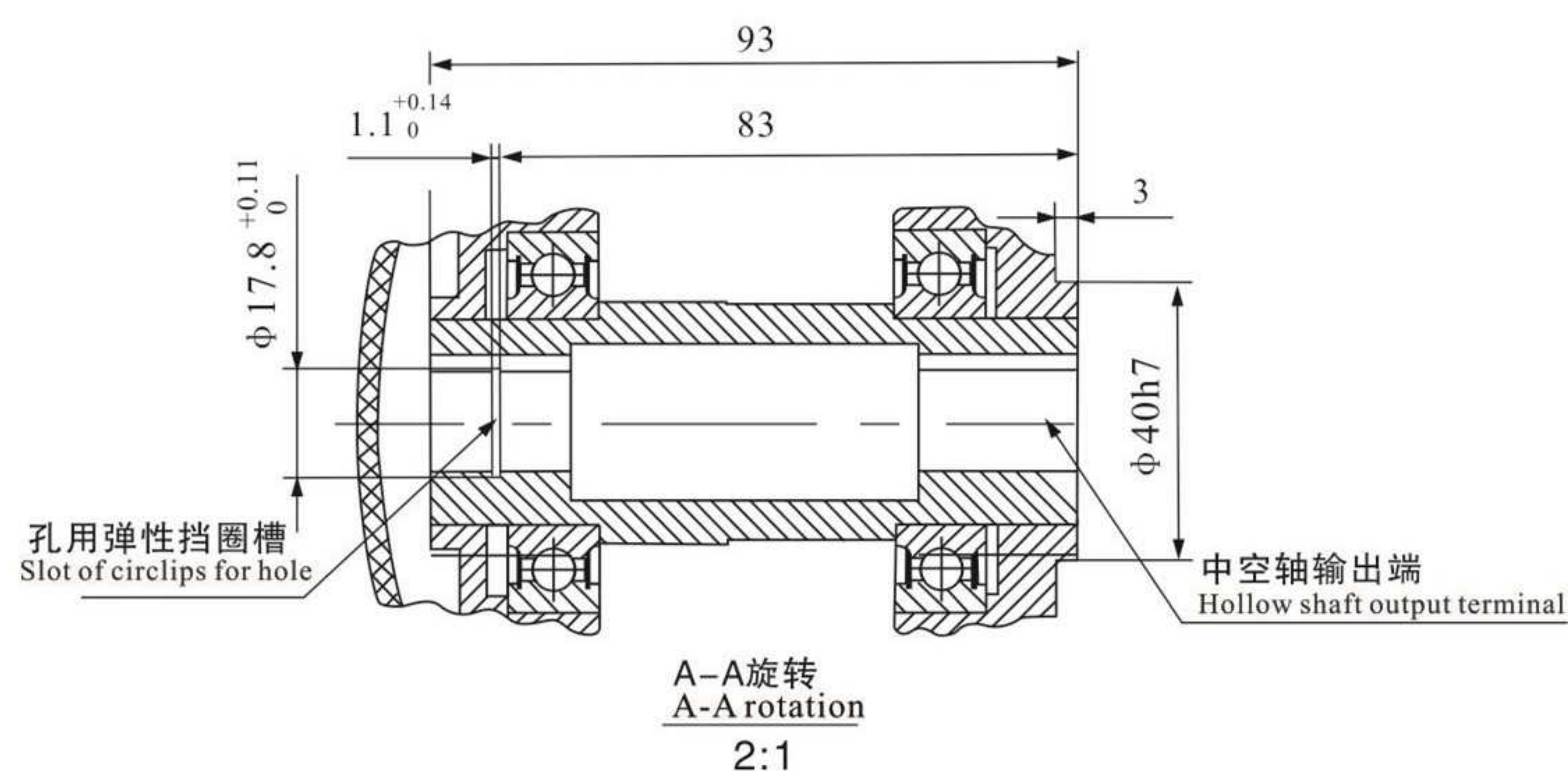
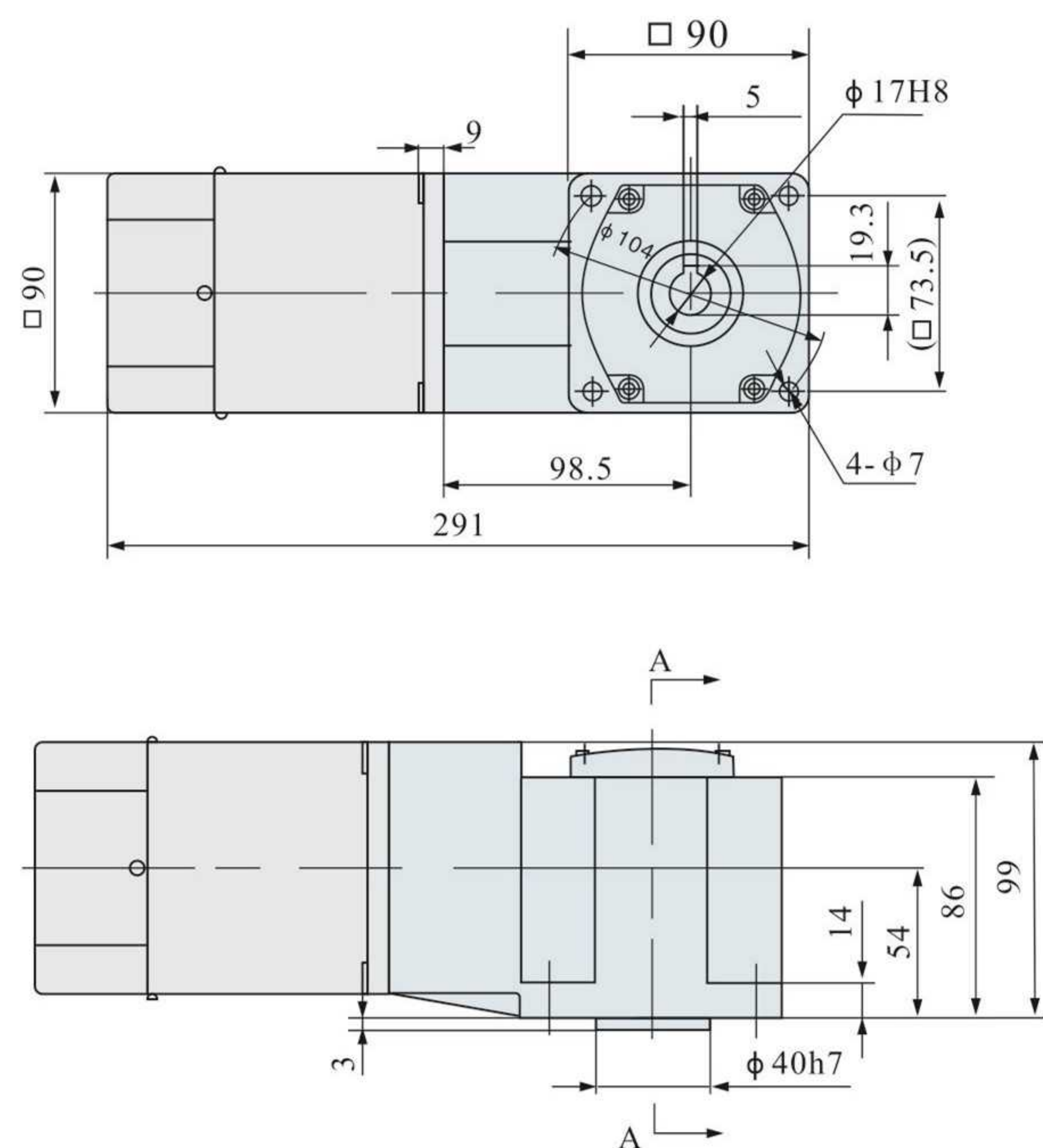
型号:5GU □ RC-K
速比:1:10~1500

Model:5GU □ RC-K
Gear ratio:1:10~1500

90型 CAD 尺寸 Model 90 CAD size

組合：定速電機+直角中空減速箱
減速比：1:10~1500
質量：5.8kg

Combination: fixed speed motor + right angle hollow reduction gear box
Deceleration ratio: 1:10~1500
Mass: 5.8kg



孔用弹性挡圈槽
Slot of circlips for hole

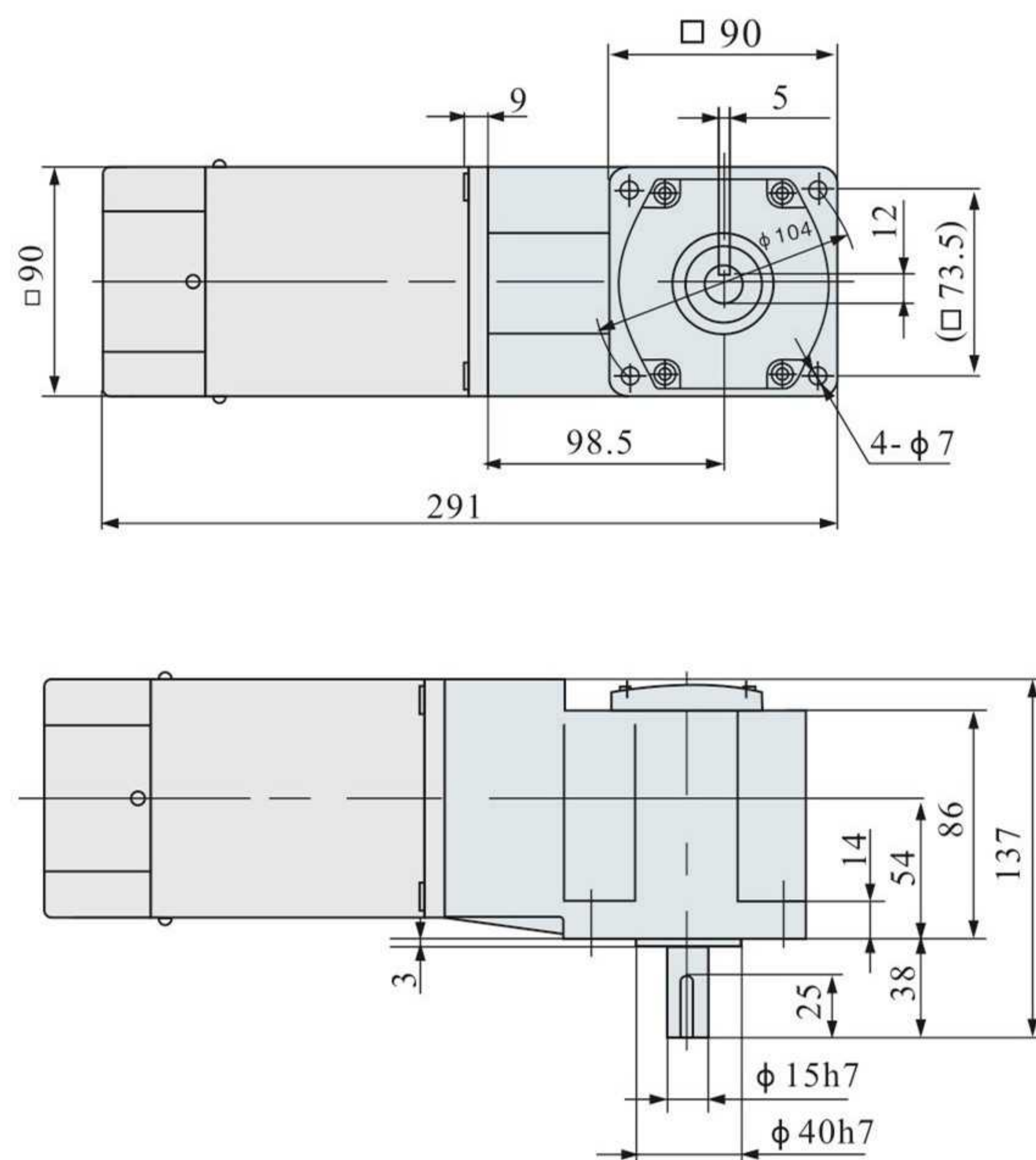
中空轴输出端
Hollow shaft output terminal

A-A旋转
A-A rotation
2:1

90型 CAD 尺寸 Model 90 CAD size

組合：調速電機+直角中實減速箱
減速比：1:10~1500
質量：6kg

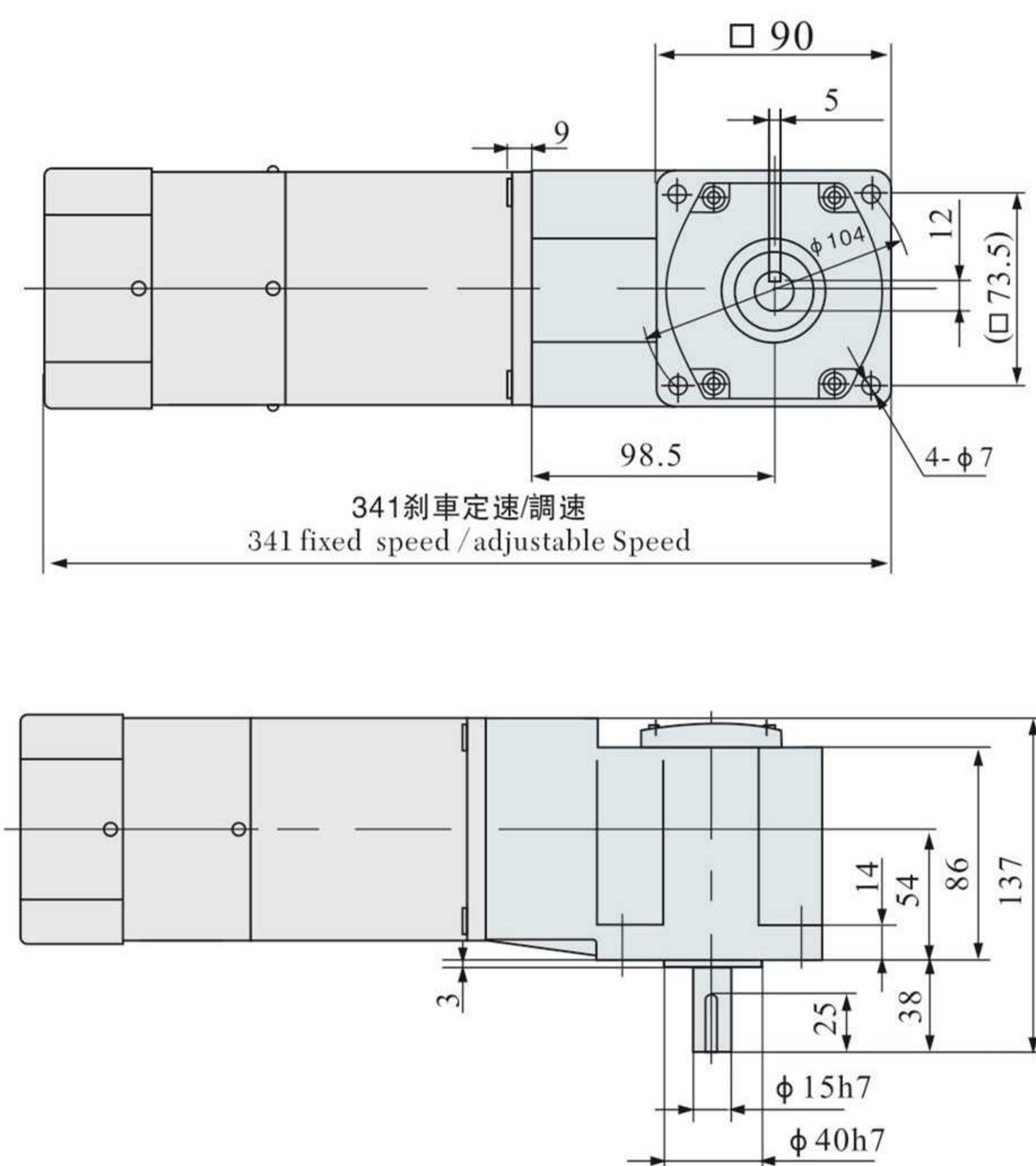
Combination: adjustable speed motor + right angle solid reduction gear box
Deceleration ratio: 1:10~1500
Mass: 6kg



90型 CAD 尺寸 Model 90 CAD size

組合：剎車定速/調速電機+直角中實減速箱
減速比：1:10~1500
質量：6.6kg

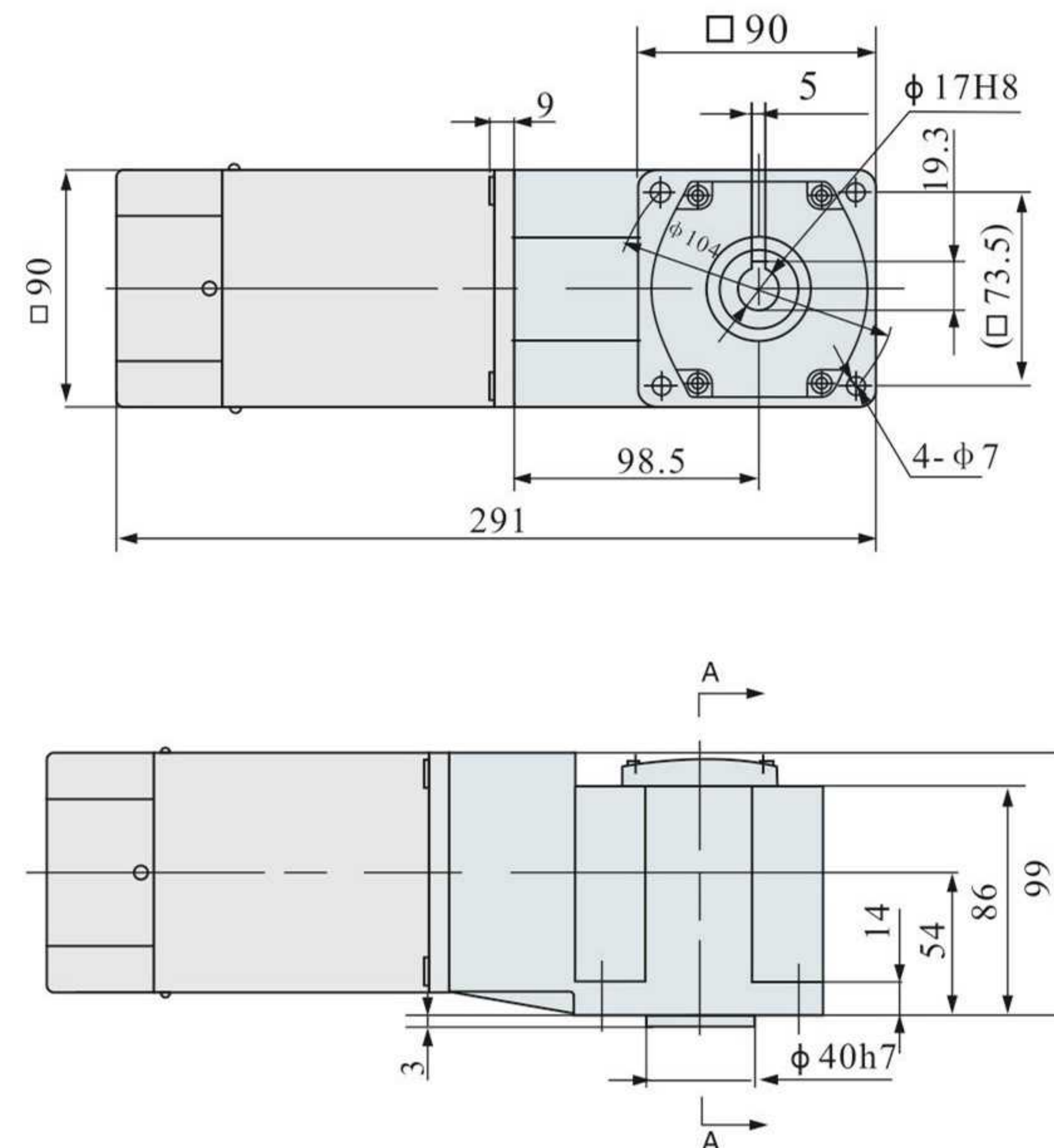
Combination: fixed speed / adjustable speed brake motor + right angle solid deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 6.6 kg



90型 CAD 尺寸 Model 90 CAD size

組合：調速電機+直角中空減速箱
減速比：1:10~1500
質量：5.9kg

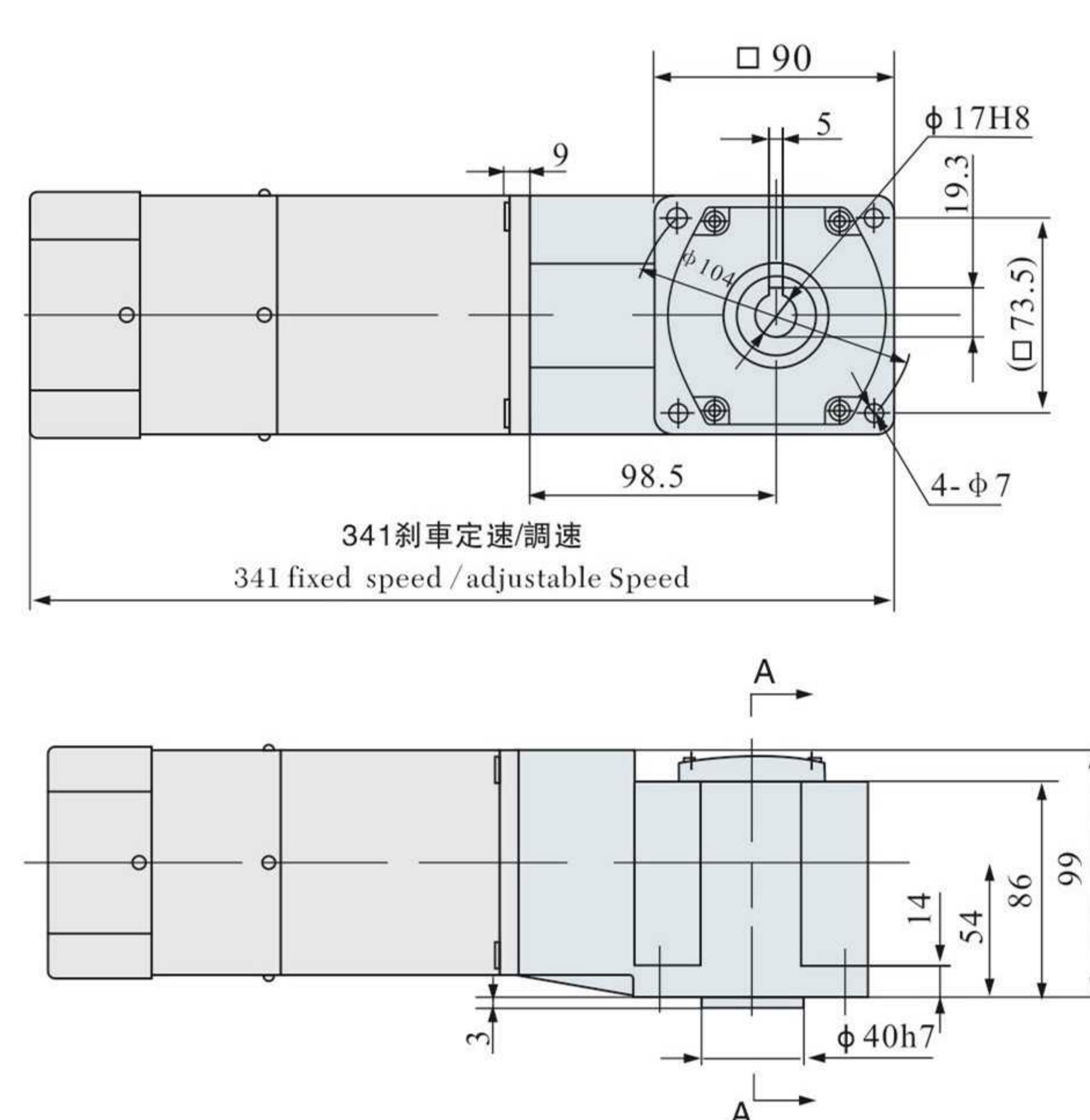
Combination: adjustable speed motor + right angle hollow deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 5.9kg



90型 CAD 尺寸 Model 90 CAD size

組合：剎車定速/調速電機+直角中空減速箱
減速比：1:10~1500
質量：6.5kg

Combination: fixed speed / adjustable speed brake motor + right angle hollow deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 6.5kg

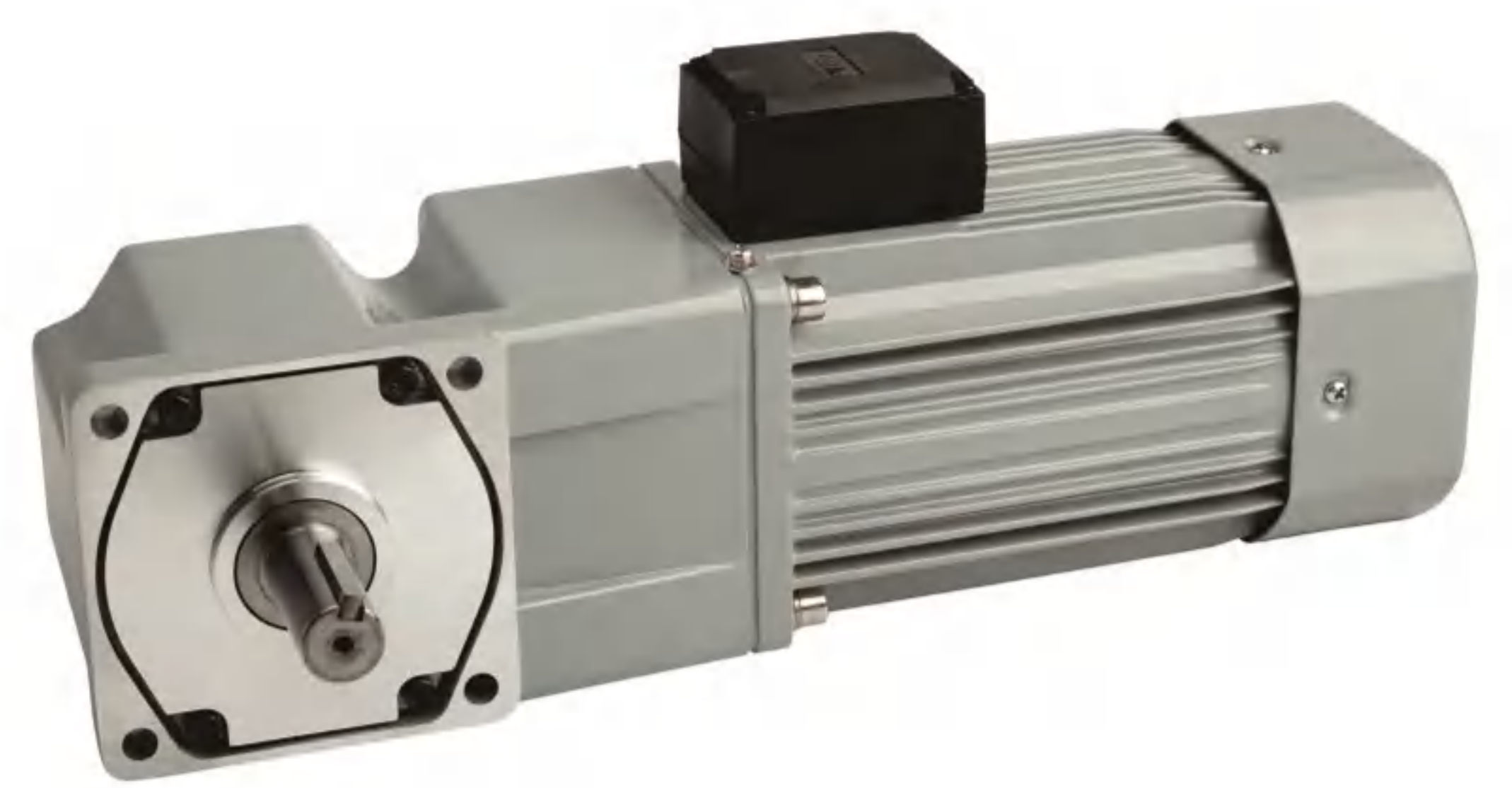


120/140W

□100mm

電機特性

List of motor characteristics



電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容容量/耐壓 Capacity/Ve μ F/VAC
公司型號 JWD types						mN.m	gf.cm	mN.m	gf.cm		
6IK120GU-CF 6IK120A-CF	感應 Induction	120	單相 1-phase 220	50	1.0	1100	11000	880	8800	1350	6/450
				60	1.0	925	9250	740	7400	1550	6/450
6RK120GU-CF 6RK120A-CF	可逆 Reversible 30min			50	1.2	1575	15750	1260	12600	1350	8/450
				60	1.4	1225	12250	980	9800	1550	8/450
6IK120GU-AF 6IK120A-AF	感應 Induction	120	單相 1-phase 110	50	1.7	1100	11000	880	8800	1350	30/250
				60	1.6	925	9250	740	7400	1550	28/250
6RK120GU-AF 6RK120A-AF	可逆 Reversible 30min			50	1.8	1575	15750	1260	12600	1350	32/250
				60	2.0	1225	12250	980	9800	1550	32/250
6IK120GU-UF 6IK120A-UF	——	120	三相 3-phase 380	50	0.46	1100	11000	880	8800	1350	——
				60	0.42	925	9250	740	7400	1550	——
6RK120GU-SF 6RK120A-SF	——	120	三相 3-phase 220	50	0.8	1100	11000	880	8800	1350	——
				60	0.73	925	9250	740	7400	1550	——
6IK140GU-CF 6IK140A-CF	感應 Induction	140	單相 1-phase 220	50	1.23	1285	12850	1028	10280	1350	8/450
				60	1.12	1078	10780	863	8630	1550	8/450
6RK140GU-CF 6RK140A-CF	可逆 Reversible 30min			50	1.3	1285	12850	1028	10280	1350	10/450
				60	1.43	1078	10780	863	8630	1550	10/450
6IK140GU-AF 6IK140A-AF	感應 Induction	140	單相 1-phase 110	50	2.05	1285	12850	1028	10280	1350	32/250
				60	1.9	1078	10780	863	8630	1550	30/250
6RK140GU-AF 6RK140A-AF	可逆 Reversible 30min			50	2.2	1285	12850	1028	10280	1350	40/250
				60	2.4	1078	10780	863	8630	1550	32/250
6RK140GU-UF 6RK140A-UF	——	140	三相 3-phase 380	50	0.55	1285	12850	1028	10280	1350	——
				60	0.46	1078	10780	863	8630	1550	——
6RK140GU-SF 6RK140A-SF	——	140	三相 3-phase 220	50	0.88	1285	12850	1028	10280	1350	——
				60	0.80	1078	10780	863	8630	1550	——

- 上表參數是指電機單體，不附加任何負荷裝置。
 - 電機額定轉速、額定電流允許在±5%範圍內變動。
- Parameters in above table refer to motor alone,without any load device.
 - Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed		500	300	200	150	120	100	83	75	60	50	41	37	30	25	20	15	12	10	8	7	6	5	3
	減速比i ratio		3	5	7.5	10	12.5	15	18	20	25	30	36	40	50	60	75	100	120	150	180	200	250	300	500
最大允許負載 Max allowable load	120W	$\frac{\text{kg}\cdot\text{cm}}{\text{N}\cdot\text{m}}$	21.5 2.11	36 3.52	54 5.28	69.8 6.85	85 8.45	103 10.2	125 12.3	139 13.6	172 16.9	209 20.5	226 22.14	251 24.6	315 31										
	140W	$\frac{\text{kg}\cdot\text{cm}}{\text{N}\cdot\text{m}}$	25.1 2.46	42 4.11	63 6.16	73.5 8.02	99.2 9.86	120 11.8	132 13	147 14.4	200.7 19.73	221 21.7	238 23.4	265 26	330 32.5										

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
 - 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
 - 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in2~15%.
 - Hope to the table of the reduction ratio is greater than the further reduction,it would be installed between the motor and the reducer reduction ratiio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor,and a locked rotor situation exists,please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

160/180W

□100mm

電機特性

List of motor characteristics



電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容容量/耐壓 Capacity/Ve μ F/VAC
公司型號 JWD types						mN.m	gf.cm	mN.m	gf.cm		
6IK160GU-CF 6IK160A-CF	感應 Induction	160	單相 1-phase 220	50	1.25	1575	15750	1260	12600	1350	8/450
				60	1.24	1225	12250	980	9800	1550	8/450
6RK160GU-CF 6RK160A-CF	可逆 Reversible 30min			50	1.4	1575	15750	1260	12600	1350	10/450
				60	1.46	1225	12250	980	9800	1550	10/450
6IK160GU-AF 6IK160A-AF	感應 Induction	160	單相 1-phase 110	50	2.4	1575	15750	1260	12600	1350	32/250
				60	2.2	1225	12250	980	9800	1550	30/250
6RK160GU-AF 6RK160A-AF	可逆 Reversible 30min			50	2.6	1575	15750	1260	12600	1350	40/250
				60	2.8	1225	12250	980	9800	1550	36/250
6IK160GU-UF 6IK160A-UF	——	160	三相 3-phase 380	50	0.55	1468	14680	1175	11750	1350	——
				60	0.50	1232	12320	986	9860	1550	——
6RK160GU-SF 6RK160A-SF	——	160	三相 3-phase 220	50	0.95	1468	14680	1175	11750	1350	——
				60	0.86	1232	12320	986	9860	1550	——
6IK180GU-CF 6IK180A-CF	感應 Induction	180	單相 1-phase 220	50	1.50	1837	18370	1470	14700	1350	10/450
				60	1.46	1540	15400	1232	12320	1550	10/450
6RK180GU-CF 6RK180A-CF	可逆 Reversible 30min			50	1.50	1837	18370	1470	14700	1350	12/450
				60	1.46	1540	15400	1232	12320	1550	12/450
6IK180GU-AF 6IK180A-AF	感應 Induction	180	單相 1-phase 110	50	2.8	1837	18370	1470	14700	1350	40/250
				60	2.6	1540	15400	1232	12320	1550	40/250
6RK180GU-AF 6RK180A-AF	可逆 Reversible 30min			50	2.8	1837	18370	1470	14700	1350	48/250
				60	2.6	1540	15400	1232	12320	1550	48/250
6RK180GU-UF 6RK180A-UF	——	180	三相 3-phase 380	50	0.80	1825	18250	1460	14600	1350	——
				60	0.75	1475	14750	1180	11800	1550	——
6RK180GU-SF 6RK180A-SF	——	180	三相 3-phase 220	50	1.05	1825	18250	1460	14600	1350	——
				60	1.0	1475	14750	1180	11800	1550	——

- 上表參數是指電機單體，不附加任何負荷裝置。
 - 電機額定轉速、額定電流允許在±5%範圍內變動。
- Parameters in above table refer to motor alone,without any load device.
 - Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed		500	300	200	150	120	100	83	75	60	50	41	37	30	25	20	15	12	10	8	7	6	5	3
	減速比i ratio		3	5	7.5	10	12.5	15	18	20	25	30	36	40	50	60	75	100	120	150	180	200	250	300	500
最大允許負載 Max allowable load	160W	$\frac{\text{kg}\cdot\text{cm}}{\text{N}\cdot\text{m}}$	28.7 2.81	48 4.69	72 7.04	87 8.53	113.3 11.27	137.3 13.53	157 15.4	174 17	229 22.6	261 25.6	285 28	317 31.1	396 38.8	440 43									
	180W	$\frac{\text{kg}\cdot\text{cm}}{\text{N}\cdot\text{m}}$	32.3 3.17	54 5.28	81 7.92	94.7 9.28	127.5 12.68	154.5 15.23	170 16.7	189 18.7	237 23.2	284 27.8	310 30.1	344 33.4	430 42.2	440 43									

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
 - 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
 - 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of.Actual speed will vary the size of the load changes in less than the values shown in2~15%.
 - Hope to the table of the reduction ratio is greater than the further reduction,it would be installed between the motor and the reducer reduction ratiio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor,and a locked rotor situation exists,please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

200/250W

□100mm



電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容容量/耐壓 Capacity/Ve μ F/VAC
公司型號 JWD types						mN.m	gf.cm	mN.m	gf.cm		
6IK200GU-CF 6IK200A-CF	感應 Induction	200	單相 1-phase 220	50	1.55	1485	14850	1414	14140	1350	8/450
				60	1.5	1294	12940	1232	12320	1550	8/450
6RK200GU-CF 6RK200A-CF	可逆 Reversible 30min			50	1.55	1485	14850	1414	14140	1350	10/450
				60	1.5	1294	12940	1232	12320	1550	10/450
6IK200GU-AF 6IK200A-AF	感應 Induction	200	單相 1-phase 110	50	3.0	1485	14850	1414	14140	1350	32/250
				60	2.8	1294	12940	1232	12320	1550	30/250
6RK200GU-AF 6RK200A-AF	可逆 Reversible 30min			50	3.0	1485	14850	1414	14140	1350	40/250
				60	2.8	1294	12940	1232	12320	1550	36/250
6IK200GU-UF 6IK200A-UF	——	200	三相 3-phase 380	50	0.9	1600	16000	1450	14500	1350	——
				60	0.87	1386	13860	1260	12600	1550	——
6RK200GU-SF 6RK200A-SF	——	200	三相 3-phase 220	50	1.15	1600	16000	1450	14500	1350	——
				60	1.1	1386	13860	1260	12600	1550	——
6IK250GU-CF 6IK250A-CF	感應 Induction	250	單相 1-phase 220	50	1.6	2020	20200	1837	18370	1350	10/450
				60	1.55	1700	17000	1540	15400	1550	10/450
6RK250GU-CF 6RK250A-CF	可逆 Reversible 30min			50	1.6	2020	20200	1837	18370	1350	12/450
				60	1.55	1700	17000	1540	15400	1550	12/450
6IK250GU-AF 6IK250A-AF	感應 Induction	250	單相 1-phase 110	50	3.2	2020	20200	1837	18370	1350	40/250
				60	3.0	1700	17000	1540	15400	1550	40/250
6RK250GU-AF 6RK250A-AF	可逆 Reversible 30min			50	3.3	2020	20200	1837	18370	1350	48/250
				60	3.2	1700	17000	1540	15400	1550	48/250
6RK250GU-UF 6RK250A-UF	——	250	三相 3-phase 380	50	1.3	2022	20220	1840	18400	1350	——
				60	1.2	1760	17600	1600	16000	1550	——
6RK250GU-SF 6RK250A-SF	——	250	三相 3-phase 220	50	1.21	2022	20220	1840	18400	1350	——
				60	1.15	1760	17600	1600	16000	1550	——

- 上表參數是指電機單體，不附加任何負荷裝置。
 - 電機額定轉速、額定電流允許在±5%範圍內變動。
- Parameters in above table refer to motor alone,without any load device.
 - Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed		500	300	200	150	120	100	85	75	60	50	40	37	30	25	20	15	12	10	8	7	6	
	減速比i ratio		3	5	7.5	10	12.5	15	18	20	25	30	36	40	50	60	75	100	120	150	180	200	250	
最大允許負載 Max allowable load	200W	$\frac{\text{kg.cm}}{\text{N.m}}$	39.4 3.86	66 6.44	89.8 8.8	119 11.7	149 14.5	180 17.6	214 21.0	239 23.4	299 29.3	358 35.1	392 38.4	435 42.6	440 43									
	250W	$\frac{\text{kg.cm}}{\text{N.m}}$	49.3 4.83	82.1 8.1	112 11	149 14.6	486 18.3	224 22	268 26.4	298 29.3	375 36.6	438 43	440 43											

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
 - 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
 - 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in2~15%.
 - Hope to the table of the reduction ratio is greater than the further reduction,it would be installed between the motor and the reducer reduction ratiio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor,and a locked rotor situation exists,please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

直角中實減速箱

Right angle solid-shaft reduction gear box



型号:6GU □ RT-K
速比:1:10~1500

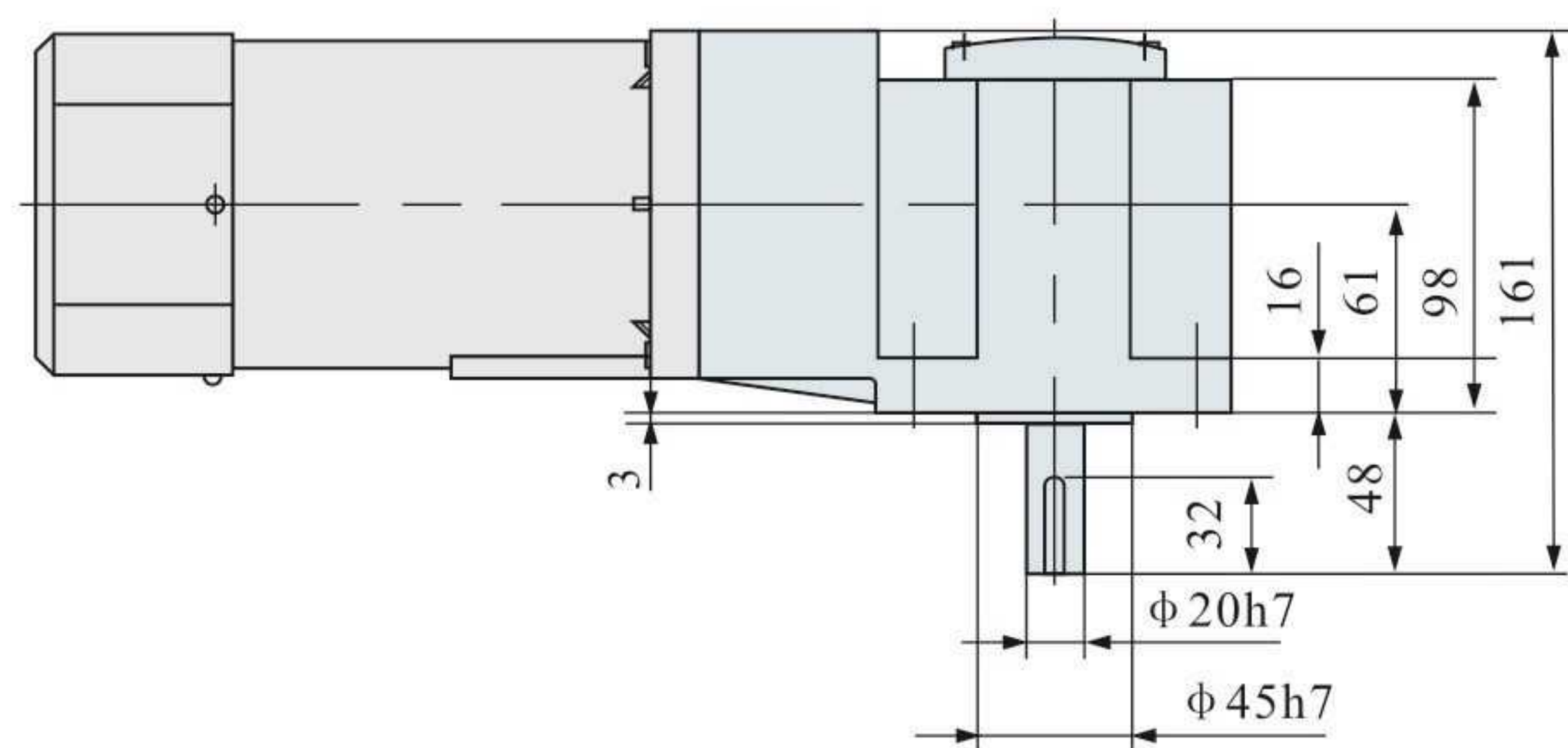
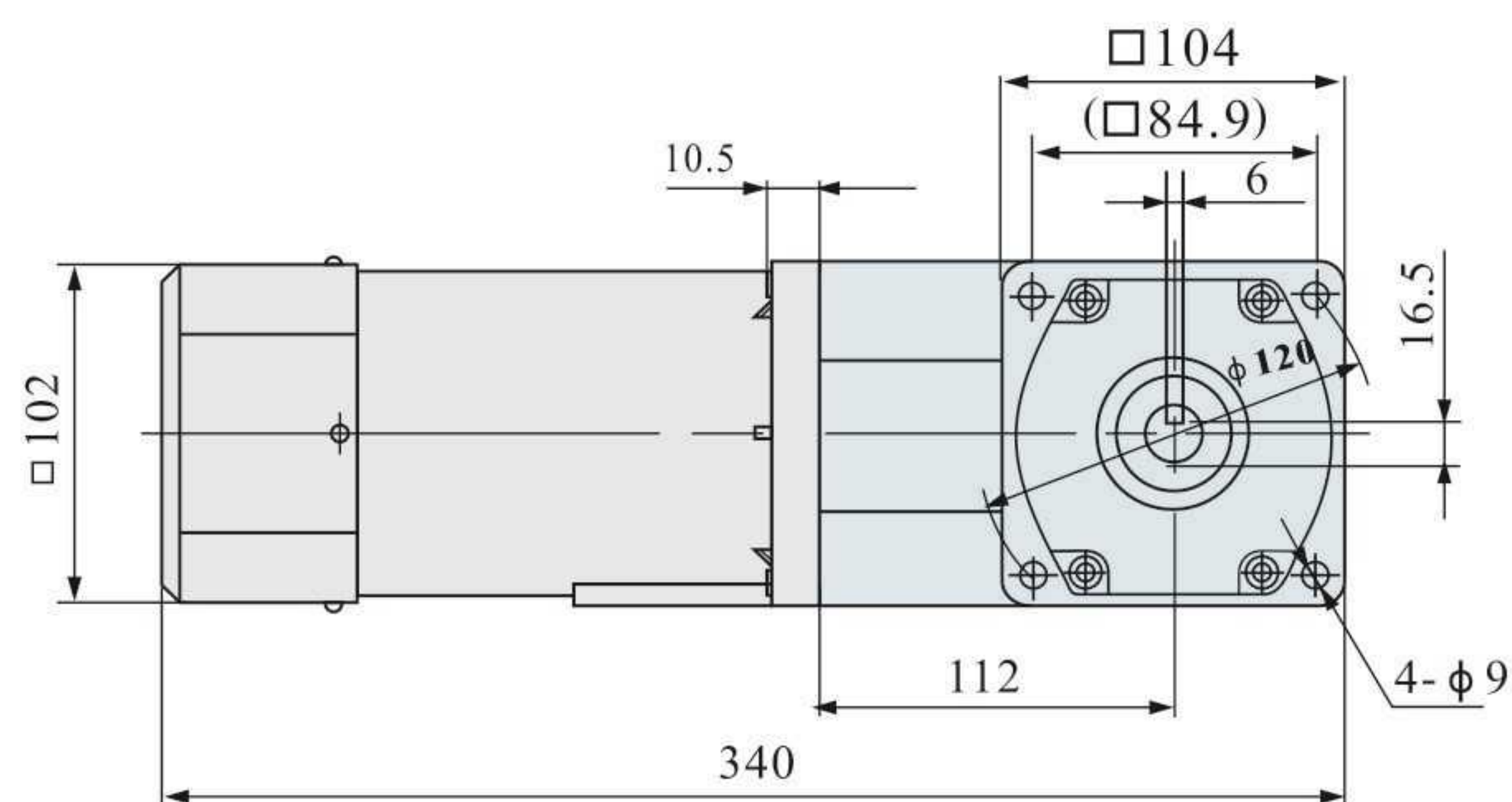
Model:6GU □ RT-K
Gear ratio:1:10~1500

100型 CAD 尺寸

Model 100 CAD size

組合：定速電機+直角中實減速箱
減速比：1:10~1500
質量：8.8kg

Combination: fixed speed motor + right angle solid reduction gear box
Deceleration ratio: 1:10~1500
Mass: 8.8kg



直角中空減速箱

Right angle hollow-shaft reduction gear box



型号:6GU □ RC-K
速比:1:10~1500

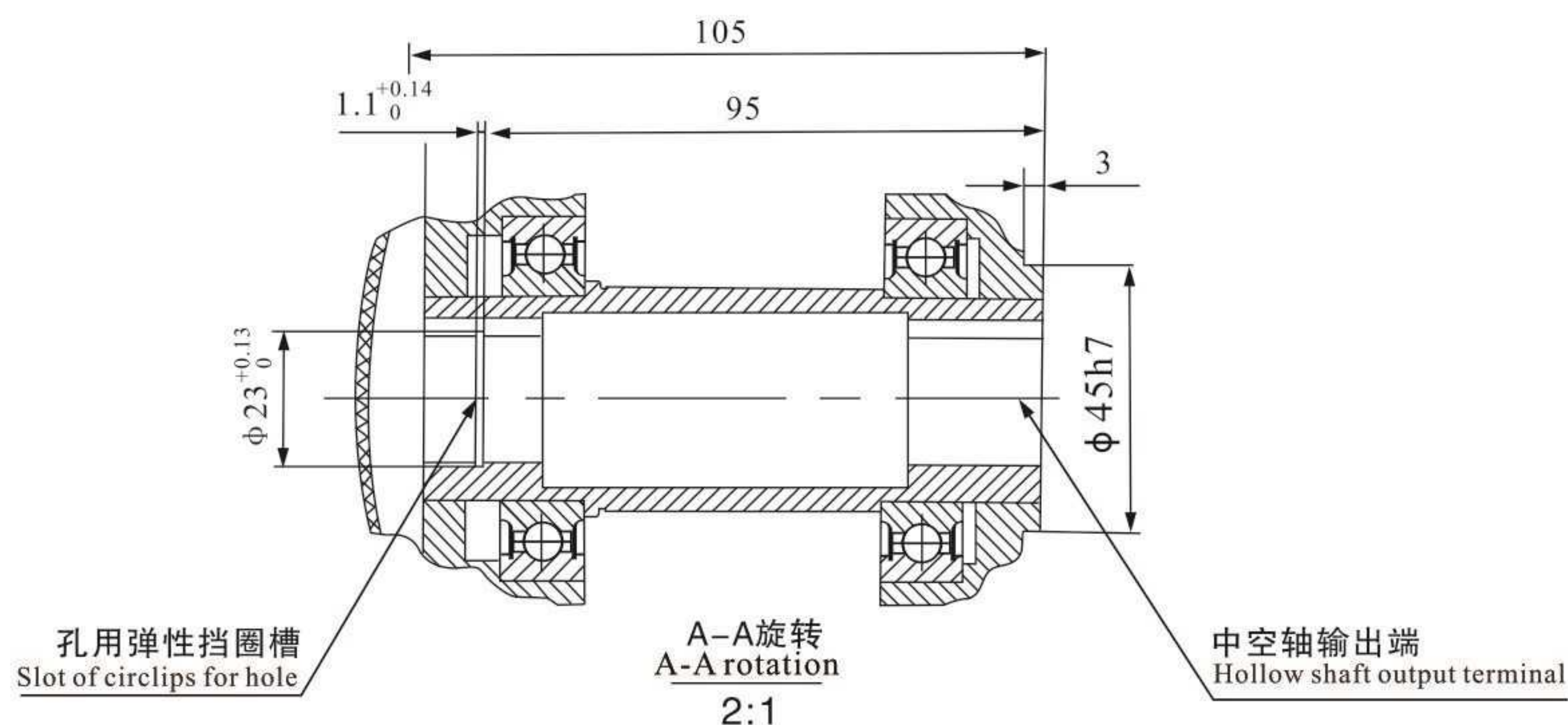
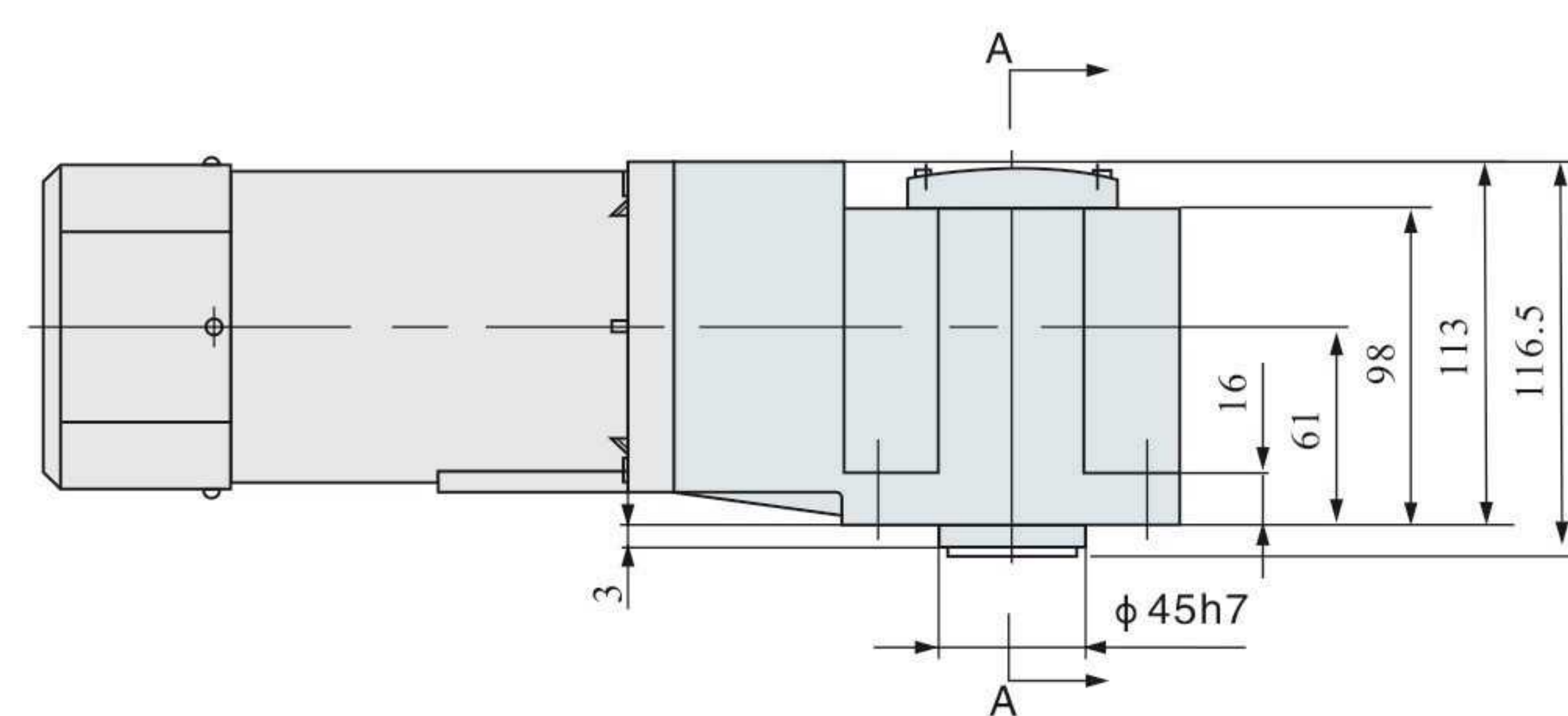
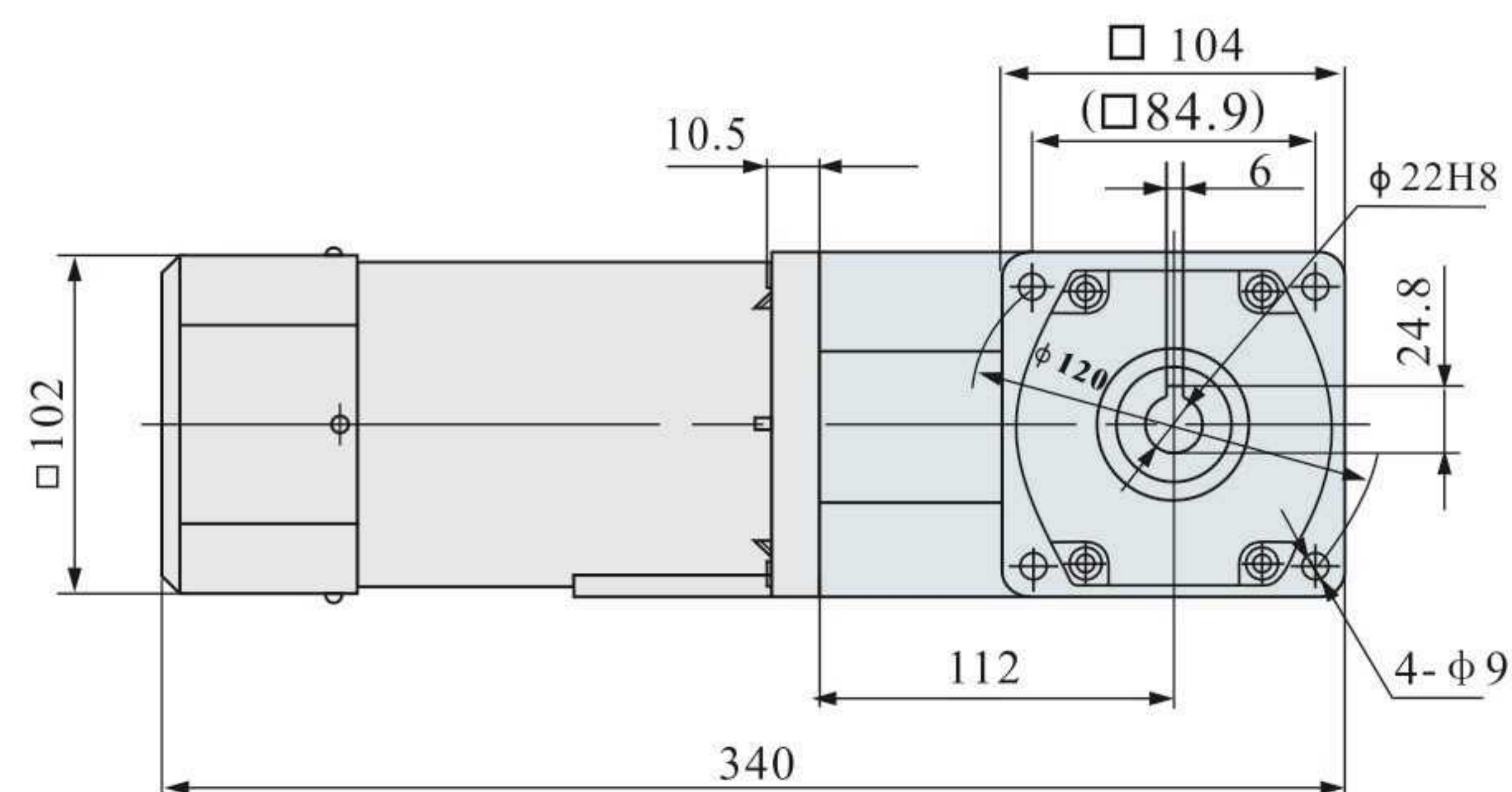
Model:6GU □ RC-K
Gear ratio:1:10~1500

100型 CAD 尺寸

Model 100 CAD size

組合：定速電機+直角中空減速箱
減速比：1:10~1500
質量：8.7kg

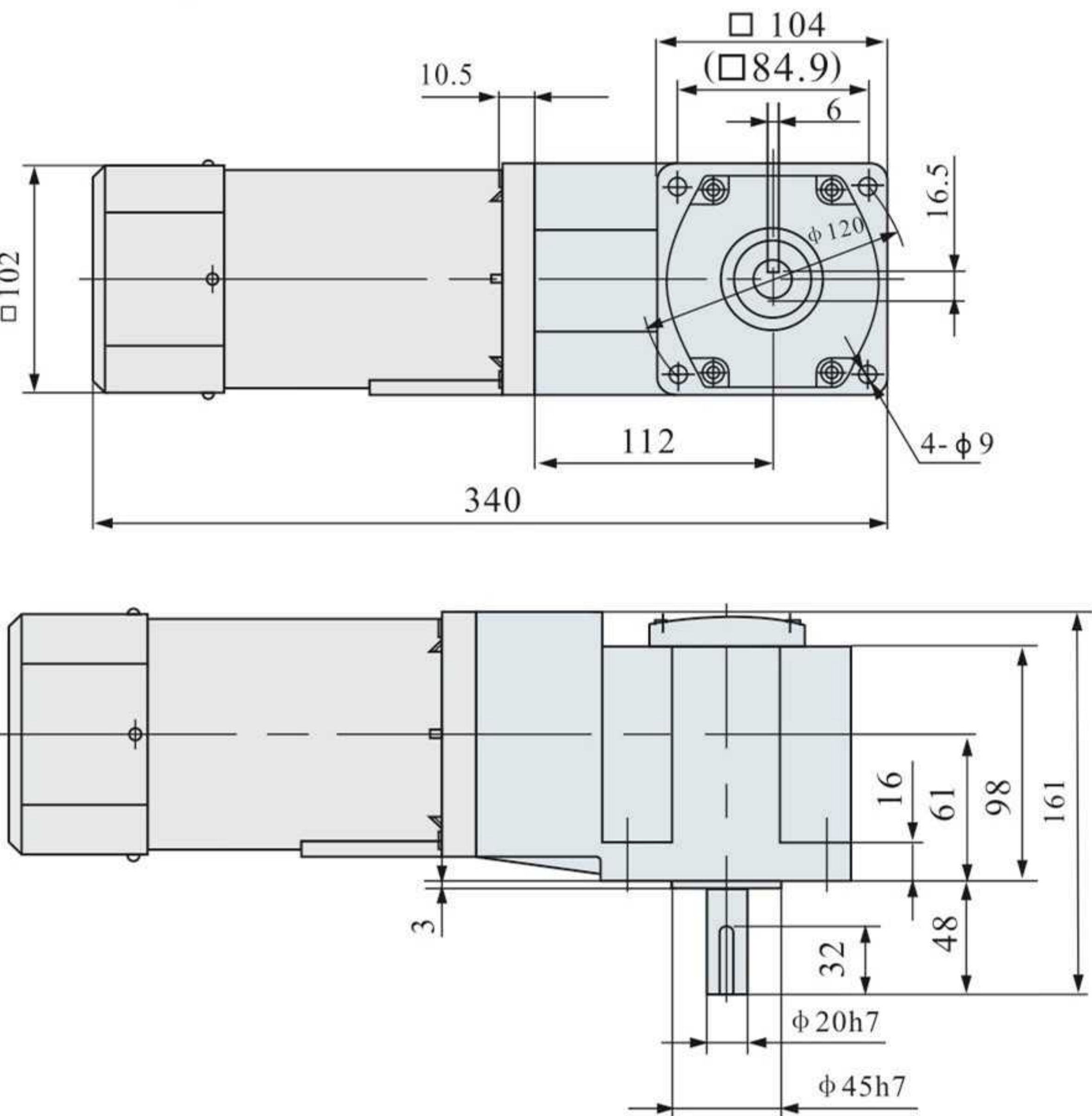
Combination: fixed speed motor + right angle hollow reduction gear box
Deceleration ratio: 1:10~1500
Mass: 8.7kg



100型 CAD 尺寸
Model 100 CAD size

組合：調速電機+直角中實減速箱
減速比：1:10~1500
質量：8.9kg

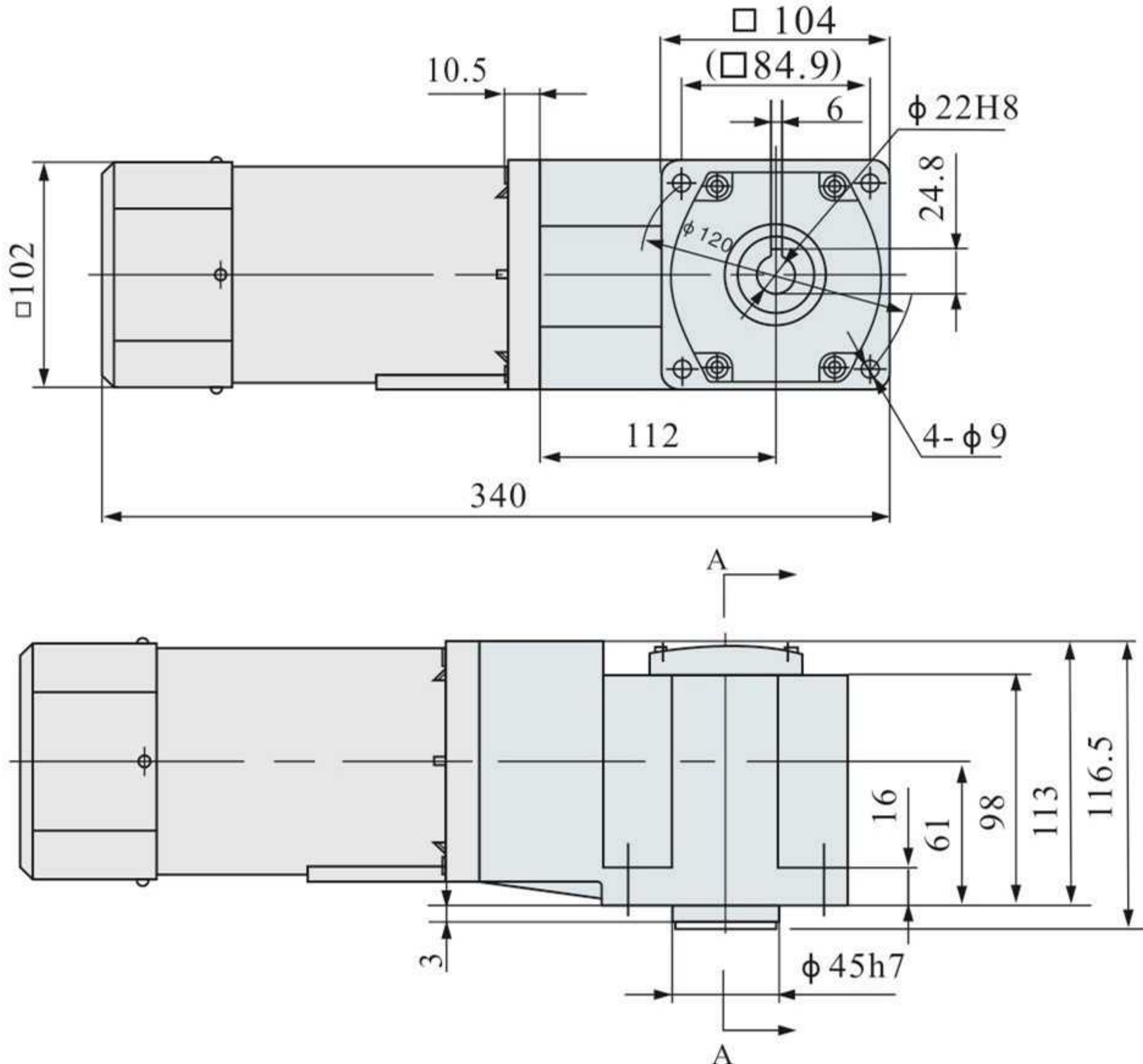
Combination: adjustable speed motor + right angle solid reduction gear box
Deceleration ratio: 1:10~1500
Mass: 8.9kg



100型 CAD 尺寸
Model 100 CAD size

組合：調速電機+直角中空減速箱
減速比：1:10~1500
質量：8.8kg

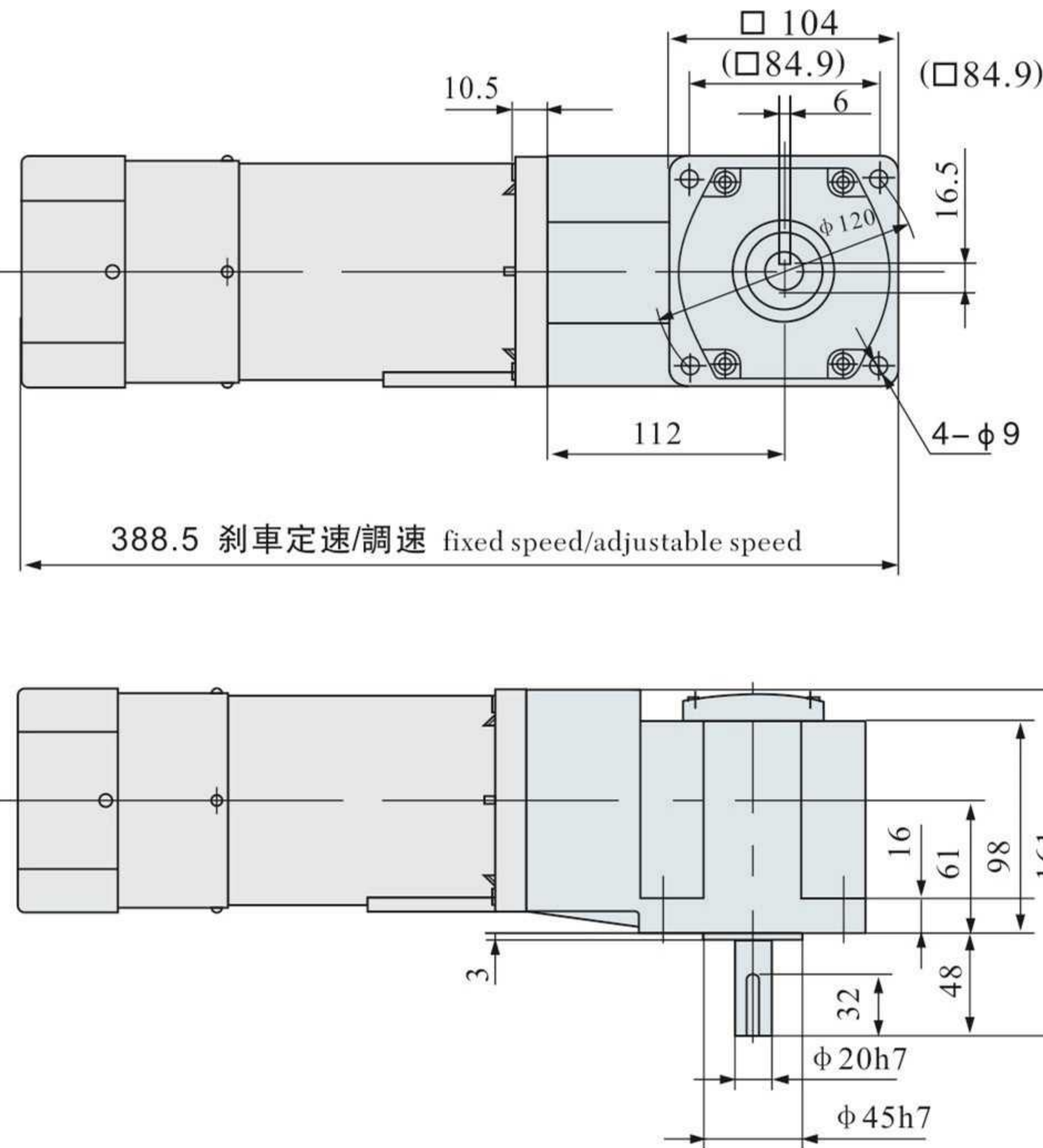
Combination: adjustable speed motor + right angle hollow deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 8.8kg



100型 CAD 尺寸
Model 100 CAD size

組合：剎車定速/調速電機+直角中實減速箱
減速比：1:10~1500
質量：9.5kg

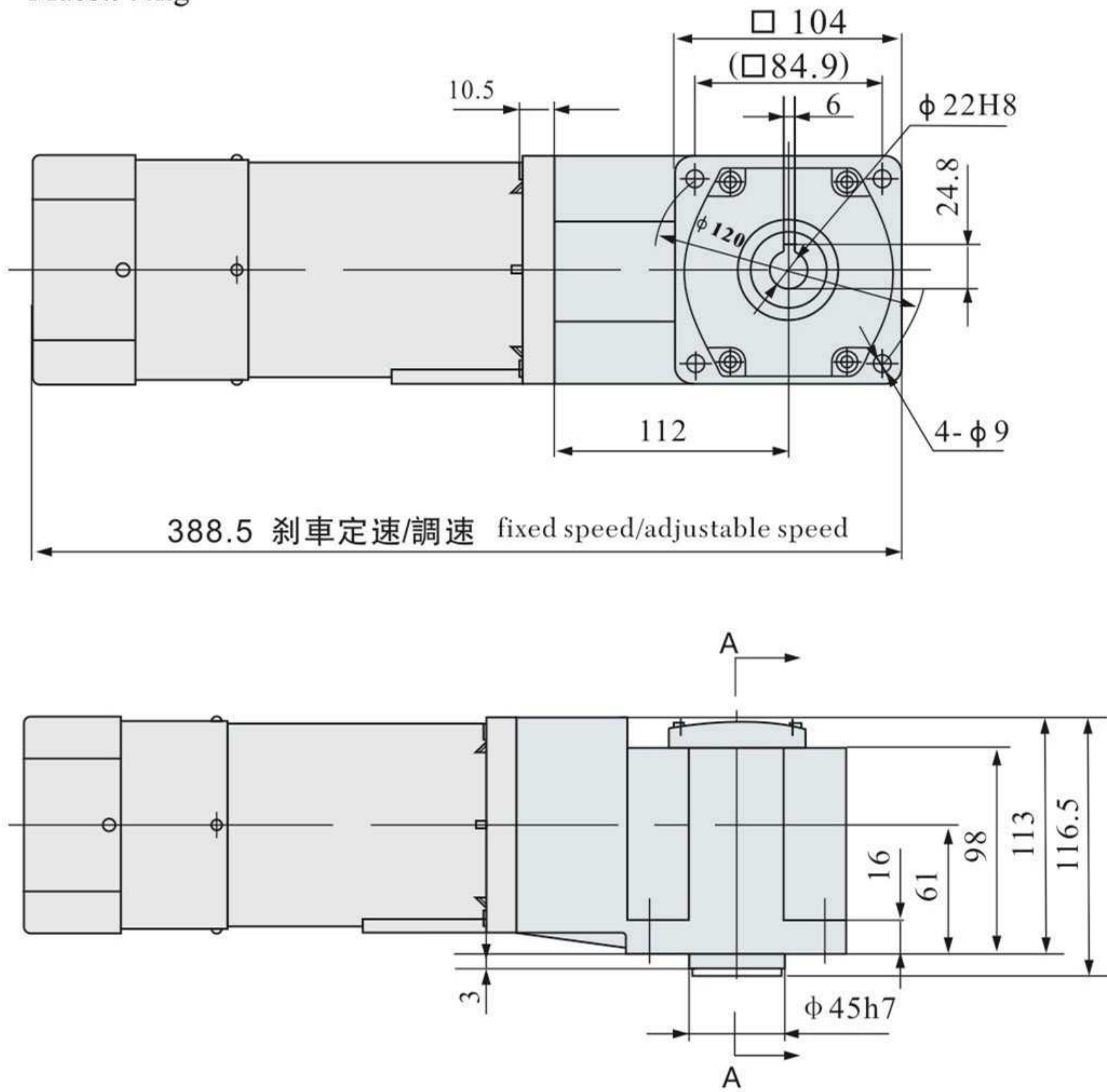
Combination: fixed speed / adjustable speed brake motor + right angle solid deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 9.5 kg



100型 CAD 尺寸
Model 100 CAD size

組合：剎車定速/調速電機+直角中空減速箱
減速比：1:10~1500
質量：9.4kg

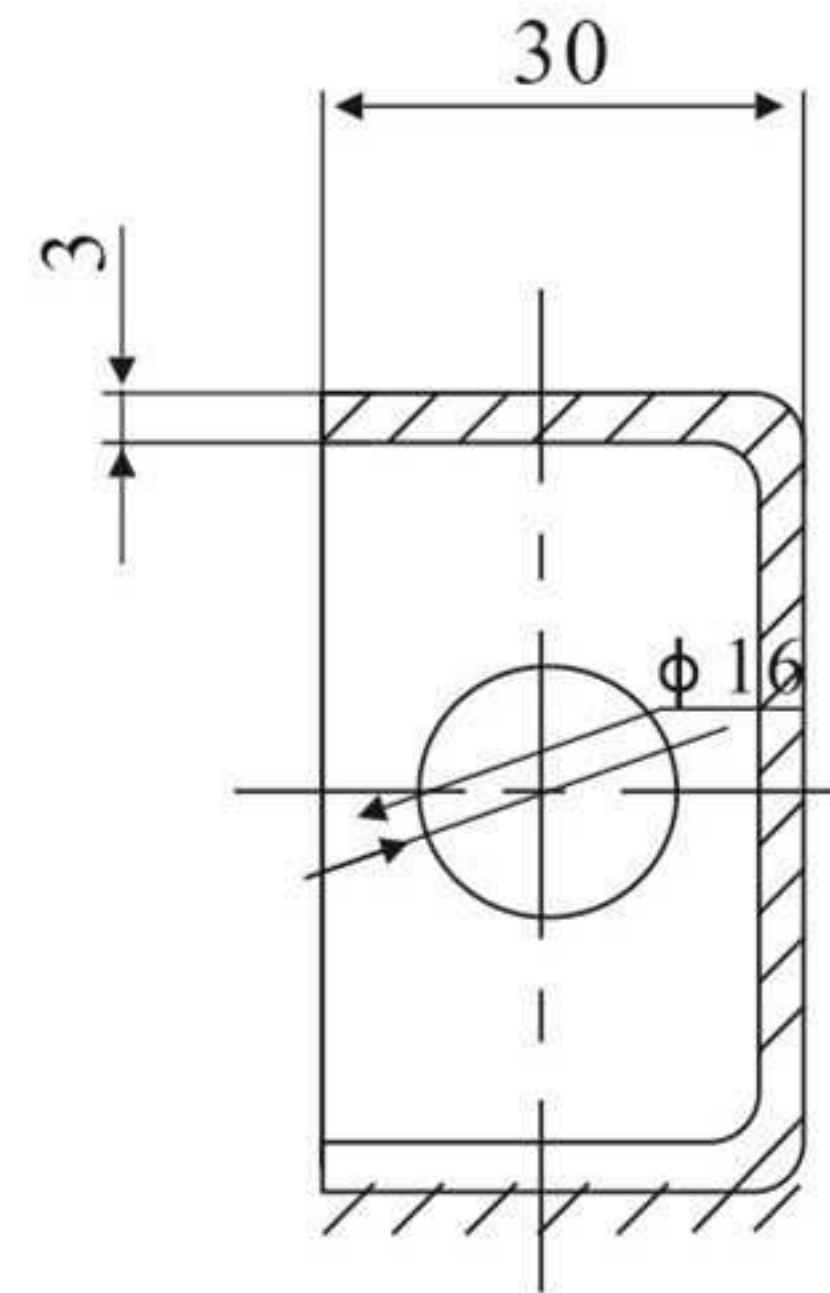
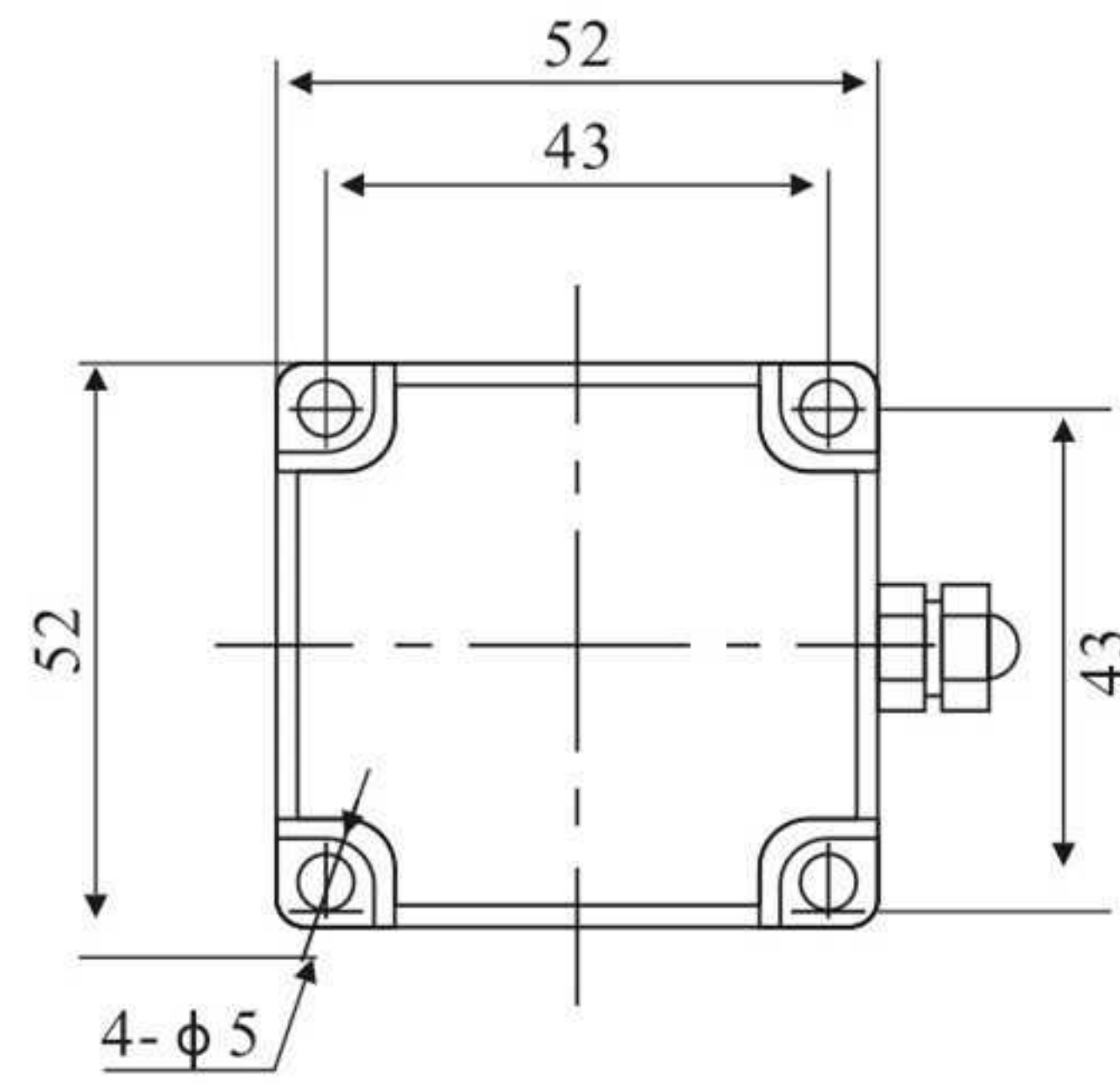
Combination: fixed speed / adjustable speed brake motor + right angle hollow deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 9.4kg



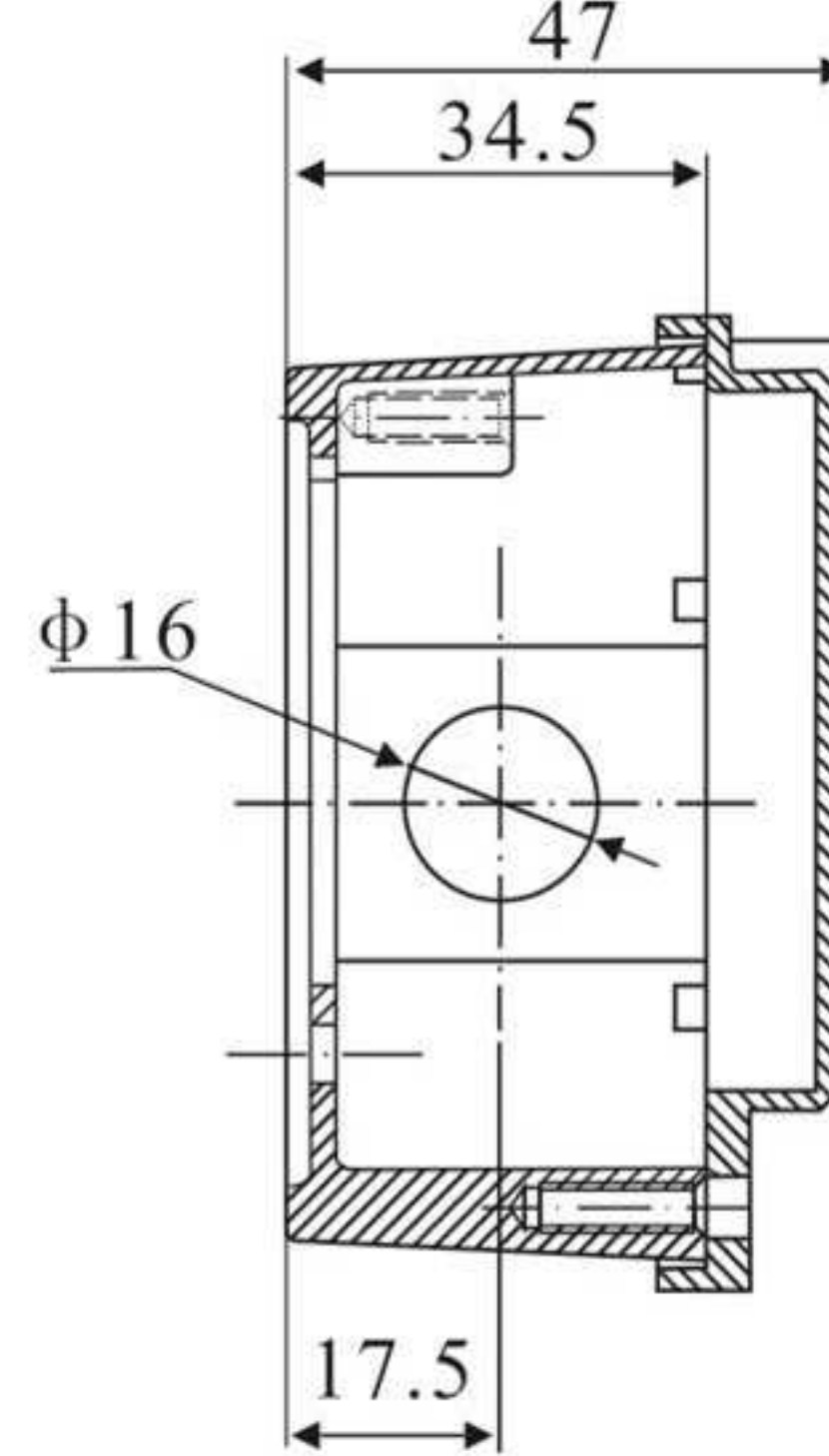
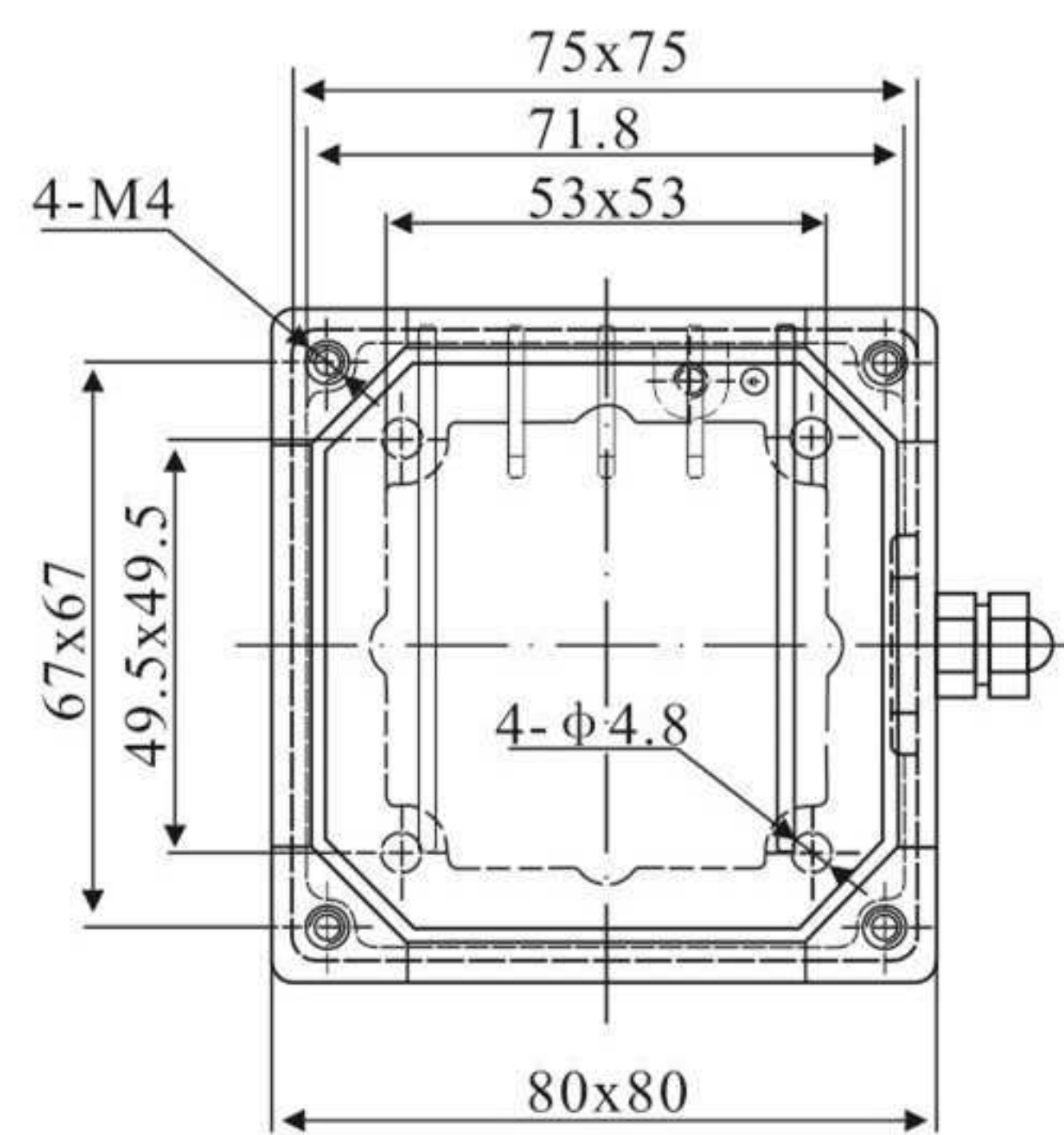
接綫盒種類

Type of junction box

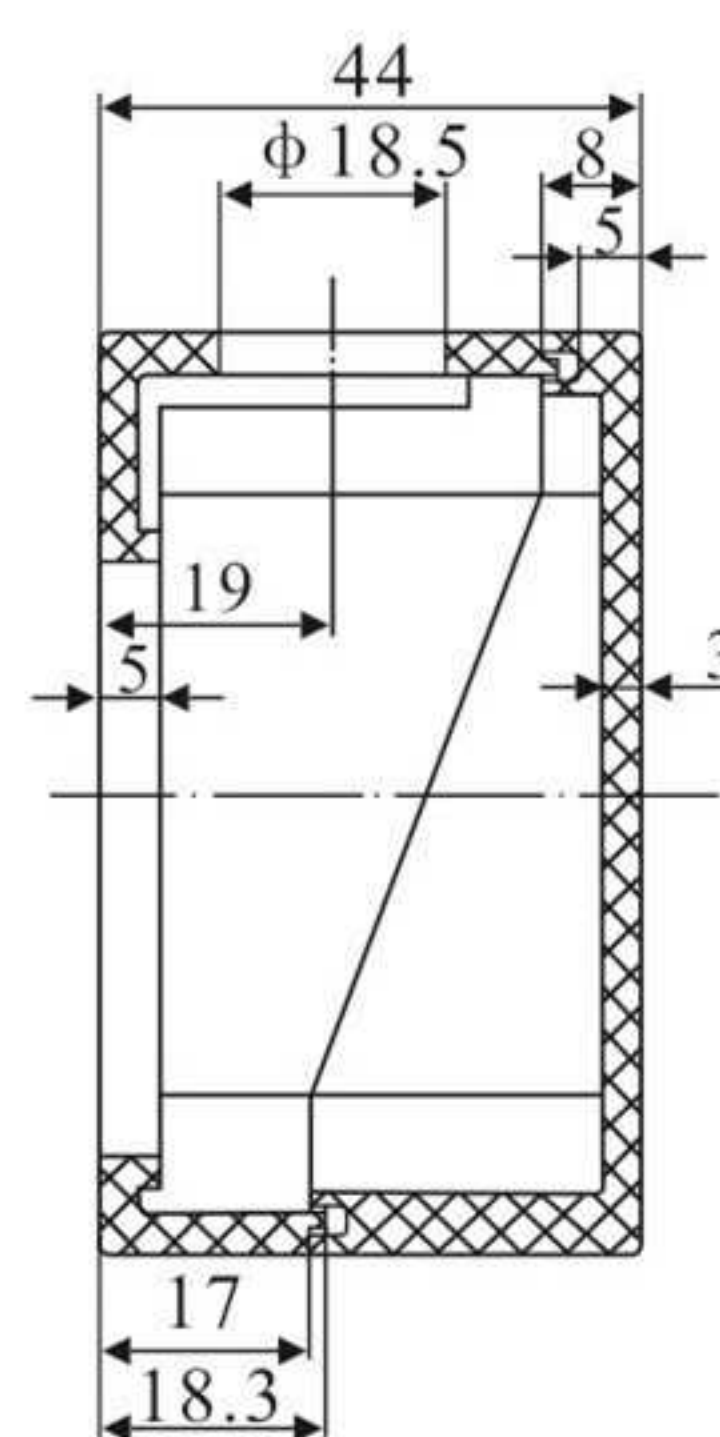
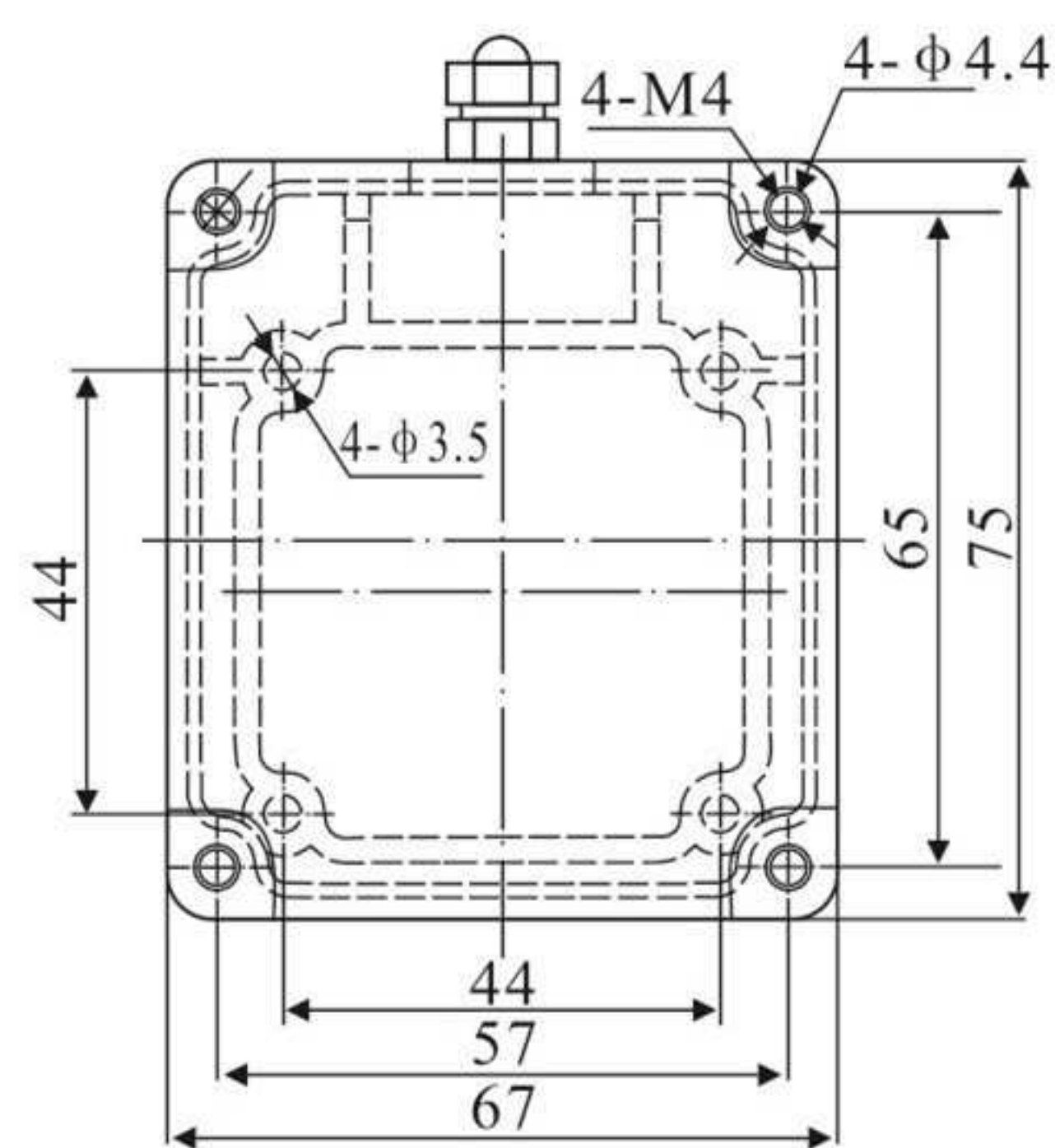
防水接綫盒 Waterproof junction box



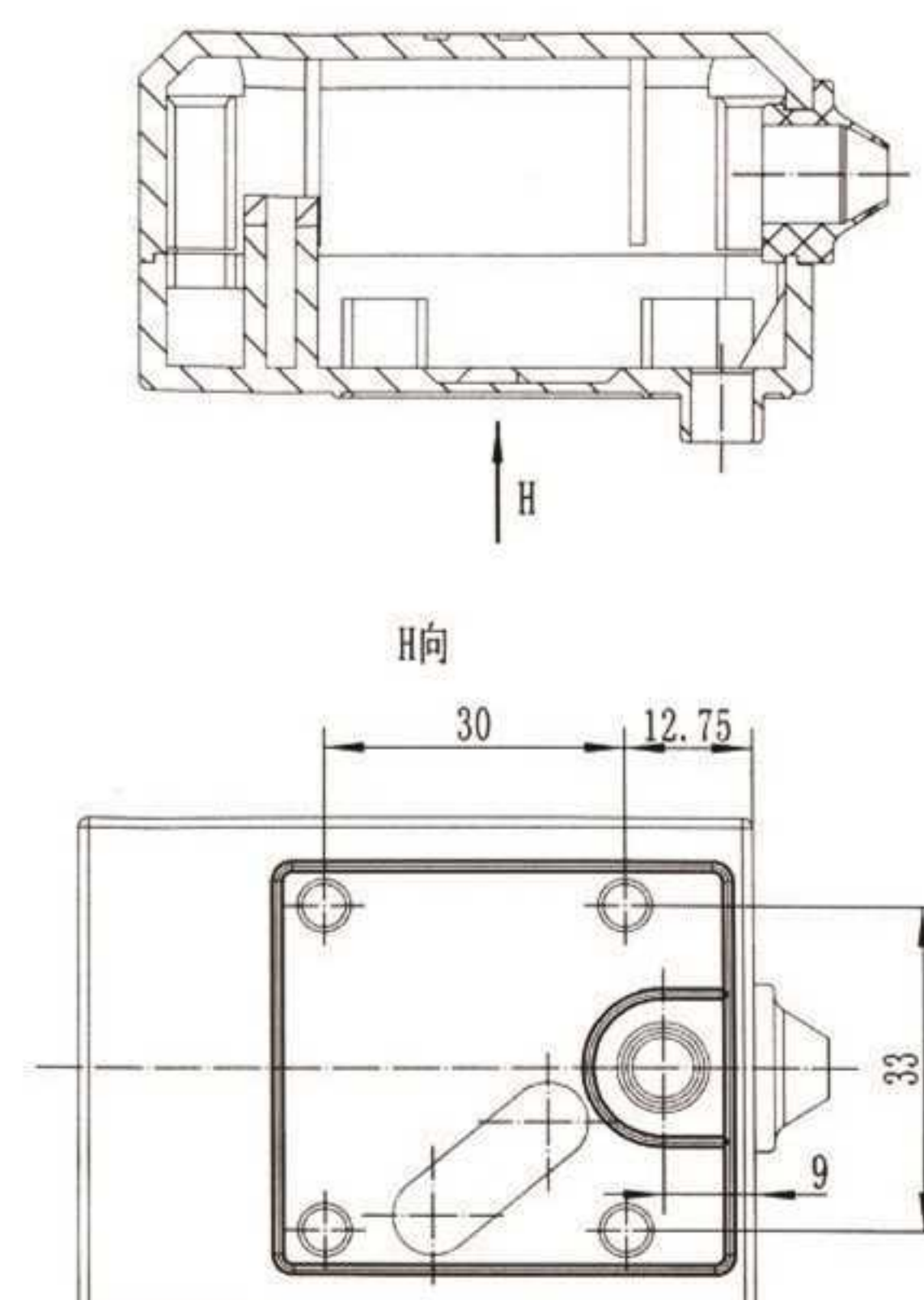
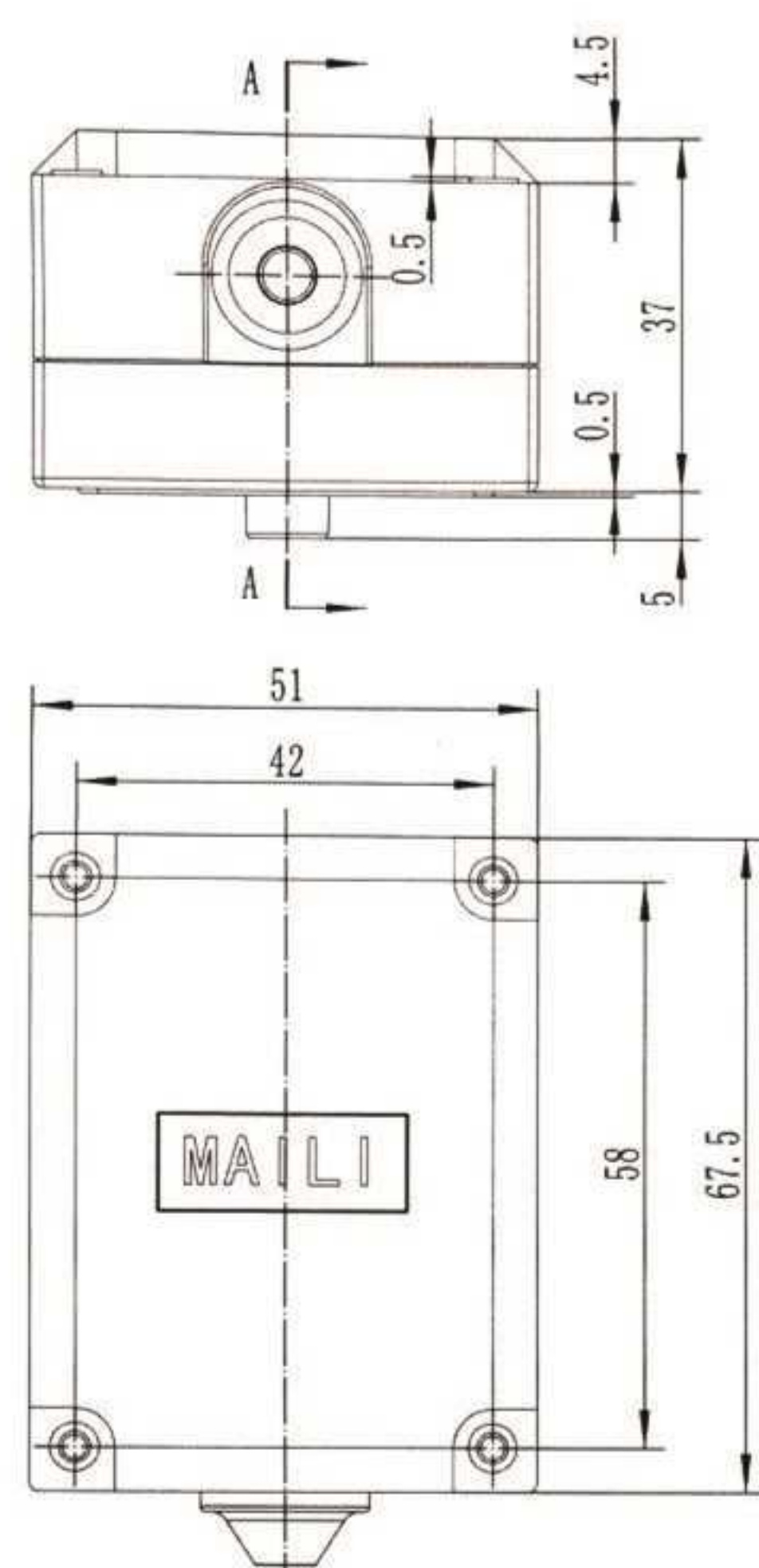
D型接綫盒 D type junction box



SX型接綫盒 SX type junction box



ML接綫盒 ML junction box



TYPE	G1-左方向 LEFT SIDE	G2-右方向 RIGHT SIDE	G3-上方向 UPPER SIDE	G4-下方向 LOWER SIDE
平行軸 Parallel axis				
	G1	G2	G3	G4
直交軸 Orthogonal axis				
	G1	G2	G3	G4

入綫口方向

Wire inlet direction

(左下) Left lower	(左上) Top left	(右下) Right lower	(右上) Upper right	(上左) On the left	(上右) On the right	(下左) Under the left	(下右) lower right
LD	LT	RD	RT	TL	TR	DL	DR
(左前) Left front	(左後) Left back	(右前) Right front	(右後) right back	(上前) left front	(上後) left back	(下前) lower front	(下後) lower back
LF	LB	RF	RB	TF	TB	DF	DB

二極電機
Two-pole motor

電機性能參數 Motor performance parameter

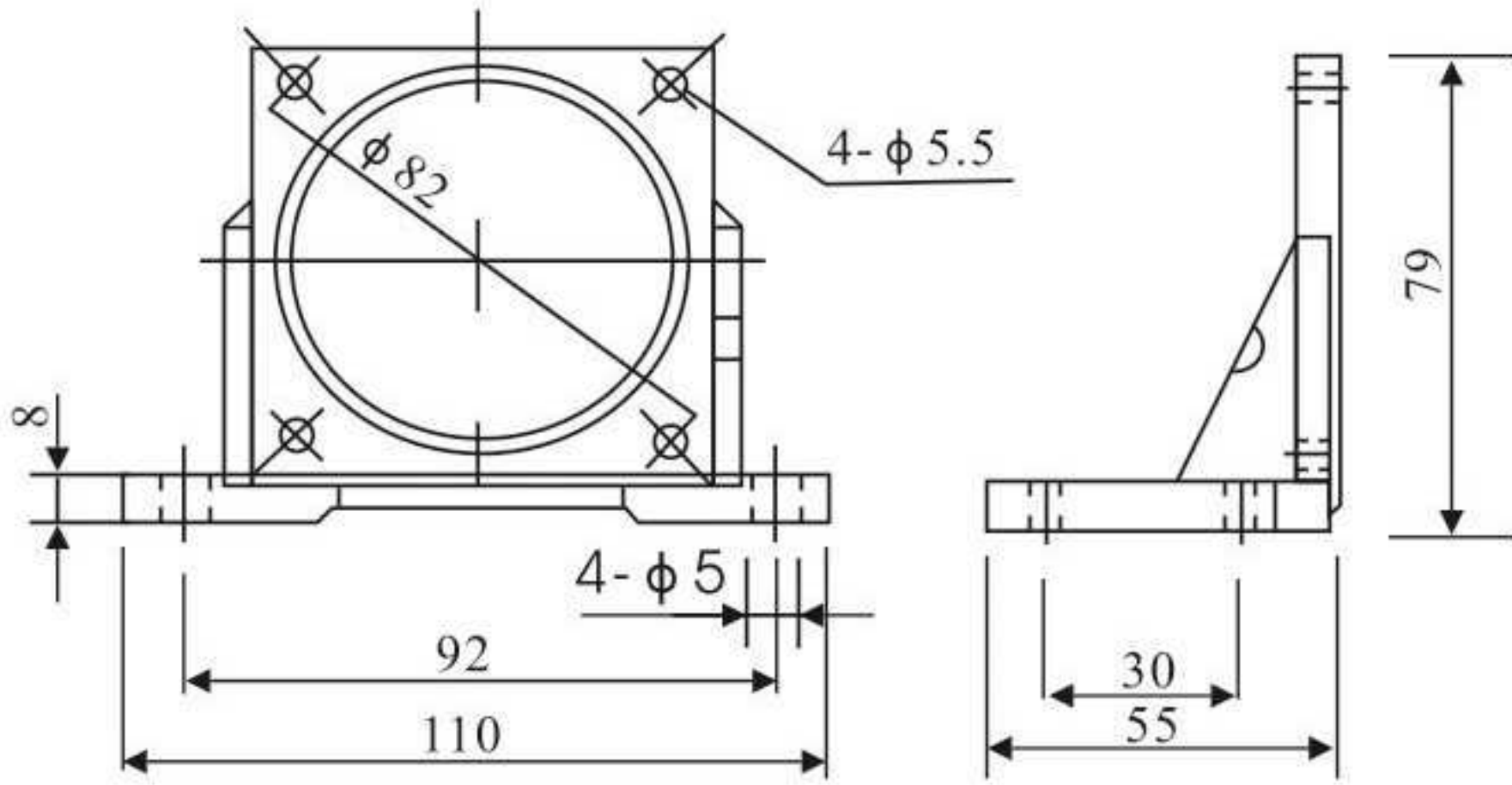
機種 圓 軸Circular Axis	Kinds	出力	電 壓	頻 率	極數	額定轉速	起動轉矩	額定轉矩	額定電流	電容量	額定時間
		Output Force (W)	Voltage (V)	Frequency (Hz)	Poles (P)	RatedRevolution (rpm)	Starting Torque (Kg.cm)	Rated Torque (Kg.cm)	Rated Current (A)	Electric Capacity (μ F)	Rated Time
41K25A-D		25	1 ϕ 220	50	2	2800	1.1	0.85	0.25	2.5/450	連續 Continuous
51K40A-D		40	1 ϕ 220	50	2	2800	1.5	1.39	0.28	3.0/450	連續 Continuous
51K60A-DF		60	1 ϕ 220	50	2	2800	1.9	2.1	0.49	4.0/450	連續 Continuous
51K90A-DF		90	1 ϕ 220	50	2	2800	4.2	2.95	0.94	8.0/450	連續 Continuous
51K90A-EF		90	3 ϕ 220/380	50	2	2800	10.8	3.13	0.28	—	連續 Continuous
51K120A-DF		120	1 ϕ 220	50	2	2800	4.0	3.13	0.82	8.0/450	連續 Continuous

特殊配件 Special accessories

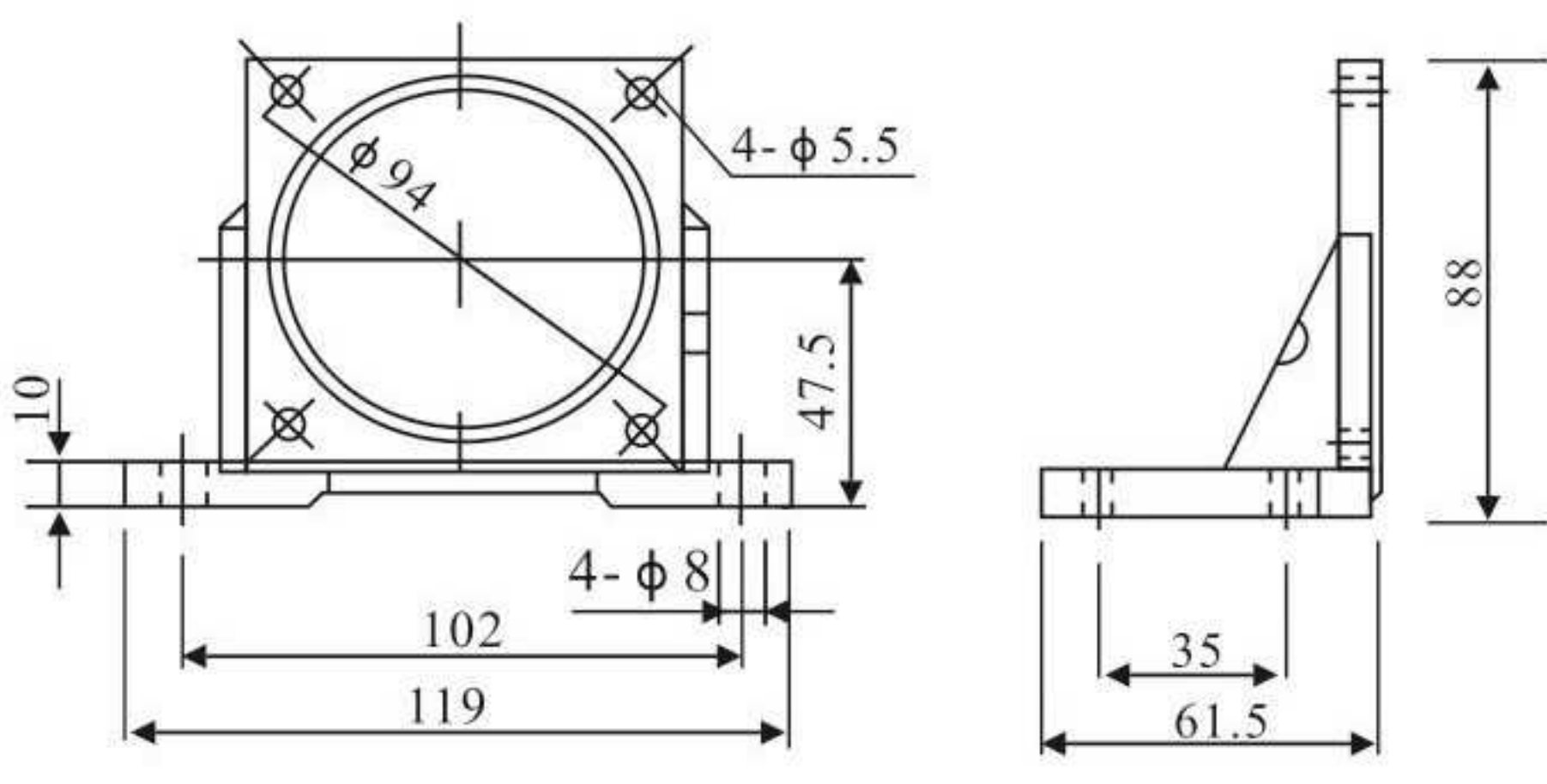
馬達安裝用L型腳座 L shape foot seat installed for motor



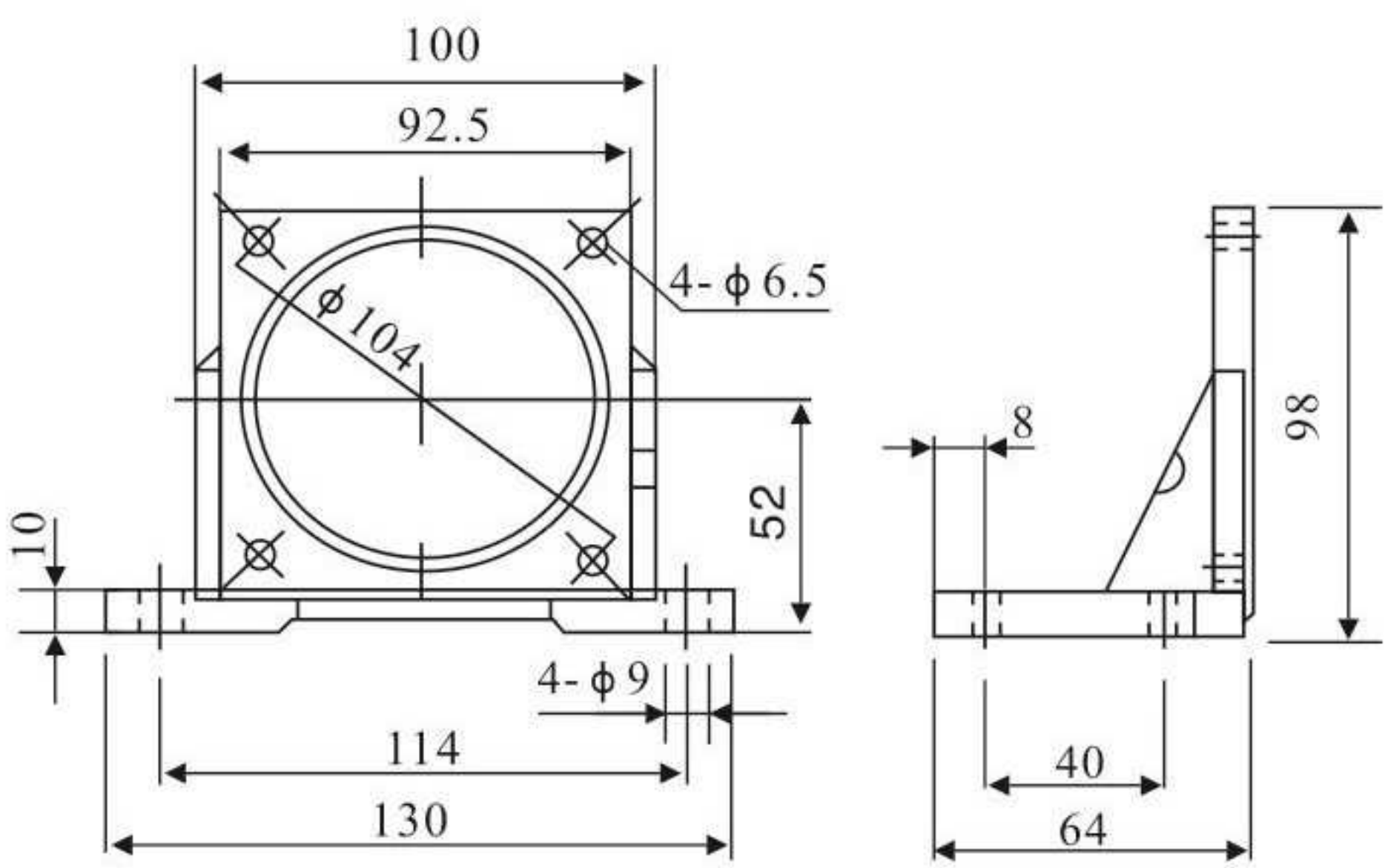
PAL-3N (□70mm用)
PAL-3N (For□70mm)



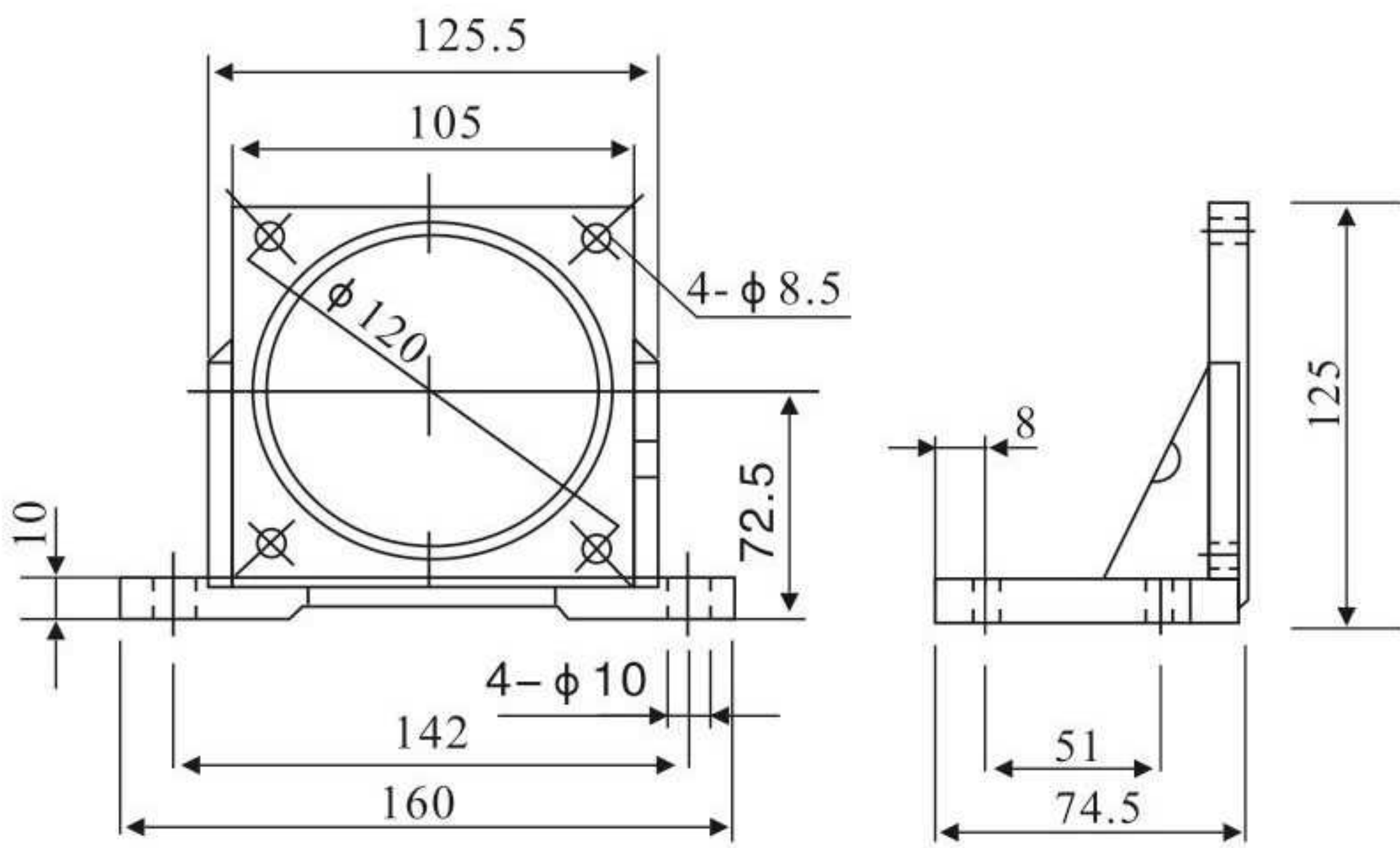
PAL-4N (□80mm用)
PAL-4N (For□80mm)



PAL-5N (□90mm用)
PAL-5N (For□90mm)



PAL-6N (□104mm用)
PAL-6N (For□104mm)



延長綫
Prolonging line

使用于速度馬達和控制器之間的延長綫
Prolonging line used between speed motor and controller

為額外銷售品
Additional sale product

買控制器時，附有0.5m的延長綫.如需要加延長時，
請額外購買。
When buying the controller, there will be prolonging linewith 0.5 m.
If it needs to be prolonged, please buy it additionally.

延長綫的長度和產品名稱，請參照顧下圖。
The length of prolonging line and the name of the product, please refer
to the following figure

產品名稱

The name of the product

產品名稱 The name of the product	L (延長綫長度) L (the length of the prolonging line)
MC-01	1.0m
MC-02	2.0m
MC-03	3.0m

DIMENSION 單位： m Unit: m

