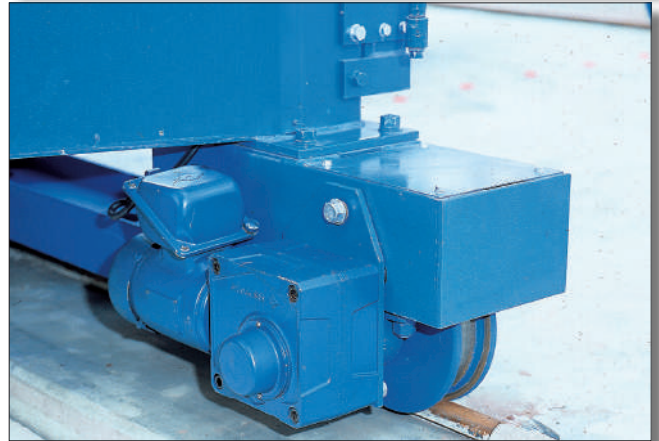


Right angle HYPONIC Drive® allows compact designs

Conveyor lines in breweries



Driving trucks

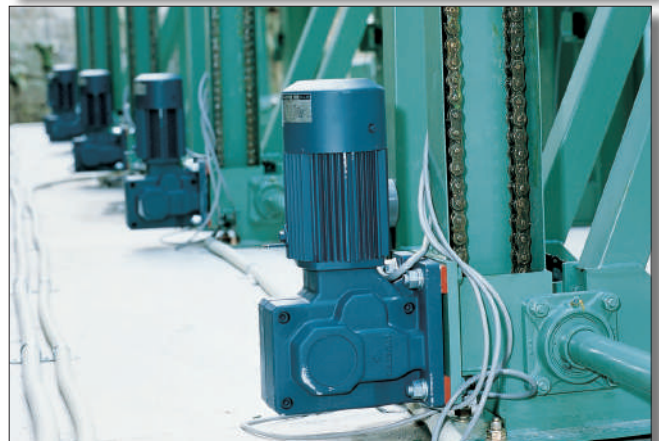


**Direct installation using hollow shaft type (with torque arm).
No requirement for sprockets, chains and other coupling equipment.**

Crushers

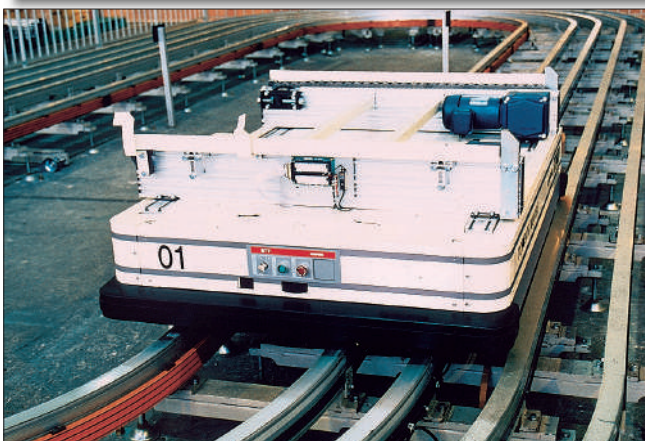


Dehydrator

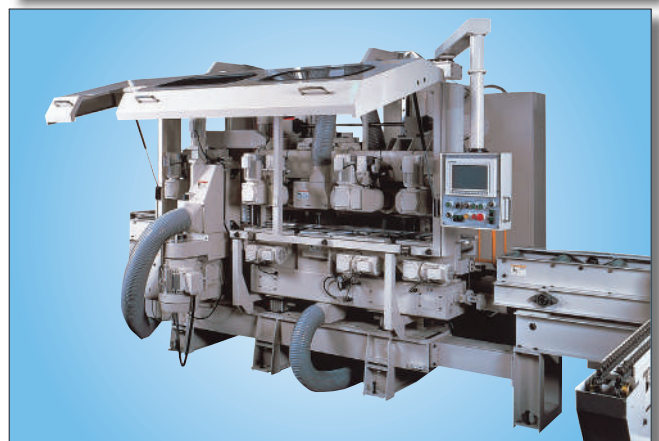


Easy installation by using through bolts directly into the casing.

Auto-guided vehicle



Wood shaving machine



Direct installation with solid shaft flanges.

Sumitomo Drive Technologies
» Building Tomorrow Together

HYPONIC DRIVE GEAR MOTOR
RNYM Hollow Shaft type

Sumitomo Drive Technologies
HYPONIC DRIVE

Sumitomo Drive Technologies
100 years of the Cyclo® gear
CYCLO 1921 - 2021

victorysystem@gmail.com
LINE OA : @hipower89

www.victorysystem.co.th
LET'S SUMITOMO GEAR MOTOR

Hollow Shaft

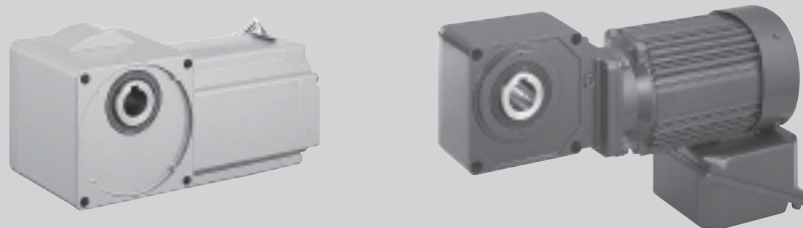
3-phase

Single-phase

Motors for Inverters

HYPONIC Drive®

Hollow Shaft



1.1kW 3-phase Motor



1.1

kW

RNYM Series Hollow Shaft Type

Motor Speed	n ₁	50Hz	1450r/min
		60Hz	1750r/min

Output speed n ₂ r/min		Output Torque Tout				SF	Allowable Pro				Capacity Symbol	Frame Size	Reduction Ratio	Outline Drawing Fig.	
		Nm		kgf m			N		kgf						
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	2.00	50Hz	60Hz	50Hz	60Hz	1H —	1410	—	5	4
290	350	30.8	25.5	3.14	2.60	1.40	2160	2060	220	210	1H —	1420	—	5	5
207	250	43.2	35.8	4.40	3.65	1.40	2450	2300	250	235	1H —	1410	—	7	4
											1H —	1420	—	7	5
145	175	61.7	51.1	6.29	5.21	1.40	2750	2600	280	265	1H —	1410	—	10	4
						1.40					1H —	1420	—	10	5
121	146	74.0	61.3	7.54	6.25	1.40	2840	2750	290	280	1H —	1420	—	12	5
96.7	117	92.5	76.6	9.43	7.81	1.40	3090	2940	315	300	1H —	1420	—	15	
72.5	87.5	123	102	12.6	10.4	1.40	3330	3190	340	325	1H —	1420	—	20	
58.0	70.0	154	128	15.7	13.0	1.40	3530	3380	360	345	1H —	1420	—	25	
48.3	58.3	185	153	18.9	15.6	1.40	3730	3580	380	365	1H —	1420	—	30	
36.3	43.8	247	204	25.1	20.8	1.40	5740	5540	585	565	1H —	1520	—	40	6
29.0	35.0	308	255	31.4	26.0	1.40	6030	5830	615	595	1H —	1520	—	50	
24.2	29.2	370	307	37.7	31.3	1.40	6230	6030	635	615	1H —	1520	—	60	

Notes : 1. Motor slippage may affect n₁ and n₂.

2. Allowable radial load shows the value when the distance from hollow shaft end to the point of radial load is 20 mm.

Designate model and voltage and frequency when ordering. Brackets contain dimension, model, or mass of type with brakes.

Fig. 4

RNYM1H-1410-5~10
(RNYM1H-1410-B-5~10)

Mass 20kg
(Mass 24kg)

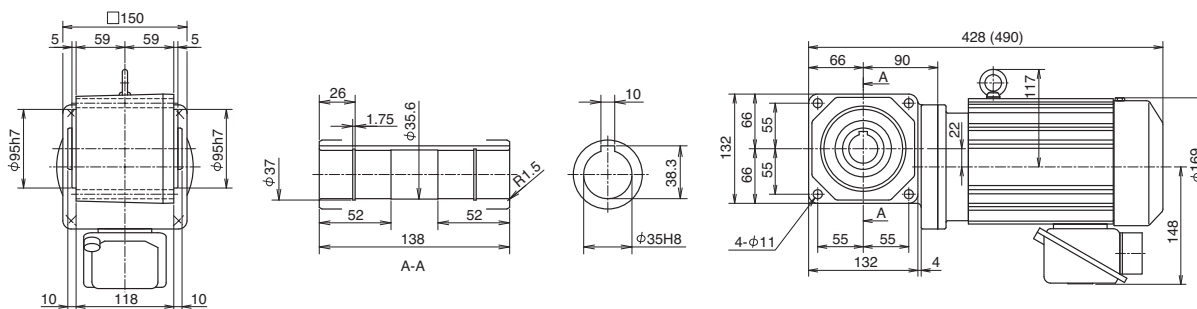


Fig. 5

RNYM1H-1420-5~30
(RNYM1H-1420-B-5~30)

Mass 21kg
(Mass 25kg)

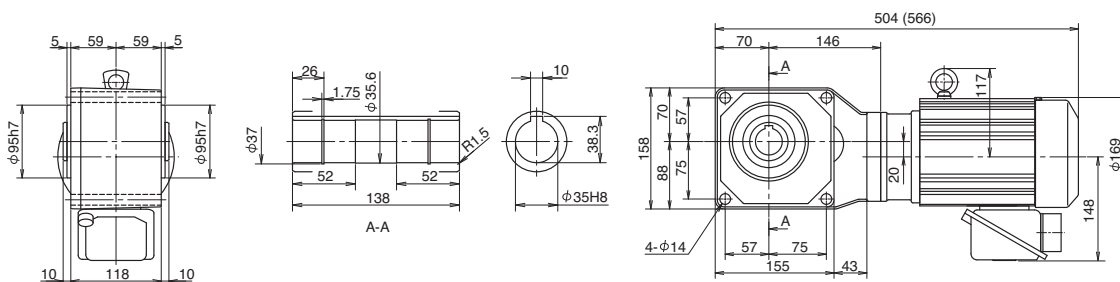
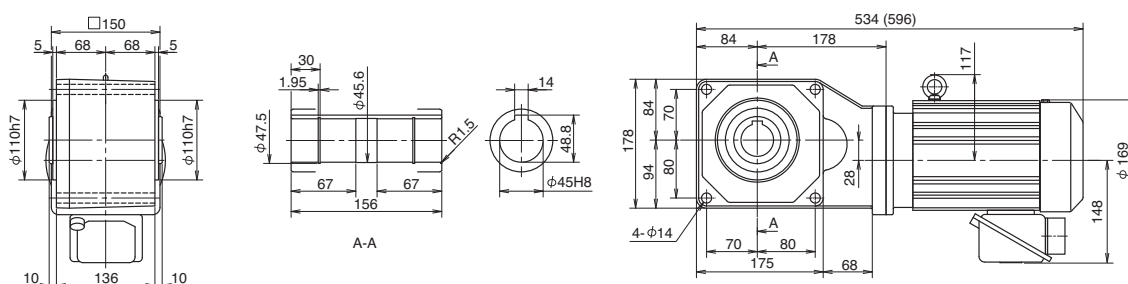


Fig. 6

RNYM1H-1520-40~60
(RNYM1H-1520-B-40~60)

Mass 29kg
(Mass 33kg)



Notes : 1. Output shaft diameter dimensions : Dimension tolerance in accordance with JIS B 0401-1976 "H8".

2. Output shaft keyway dimensions : Dimension tolerance in accordance with JIS B 0401-1976 "H8".

3. Dimensions and Masses in the drawings are subject to change without notice.

1.1kW 3-phase Motor



3-phase Motor Indoor Type

Motor Speed n ₁	50Hz	1450r/min
60Hz	1750r/min	

Output speed n ₂ r/min		Output Torque Tout				SF	Allowable Pro				Capacity Symbol	Frame Size	Reduction Ratio	Outline Drawing Fig.		
		Nm		kgf m			N		kgf							
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	1.40	50Hz	60Hz	50Hz	60Hz	1H	—	1531	—	80	1
18.1	21.9	493	409	50.3	41.7	1.40	6230	6130	635	625	1H	—	1531	—	80	2
14.5	17.5	617	511	62.9	52.1	2.00	9810	9810	1000	1000	1H	—	1630	—	100	
12.1	14.6	740	613	75.4	62.5	2.00	9810	9810	1000	1000	1H	—	1630	—	120	
9.67	11.7	925	766	94.3	78.1	1.60	9810	9810	1000	1000	1H	—	1631	—	150	3
7.25	8.75	1230	1020	126	104	1.20	9810	9810	1000	1000	1H	—	1631	—	200	
6.04	7.29	1480	1230	151	125	1.00	9810	9810	1000	1000	1H	—	1631	—	240	

Notes : 1. Motor slippage may affect n₁ and n₂.

2. Allowable radial load shows the value when the distance from hollow shaft end to the point of radial load is 20 mm.

Designate model and voltage and frequency when ordering. Brackets contain dimension, model, or mass of type with brakes.

Fig. 1

RNYM1H-1531-80
(RNYM1H-1531-B-80)

Mass 29kg
(Mass 33kg)

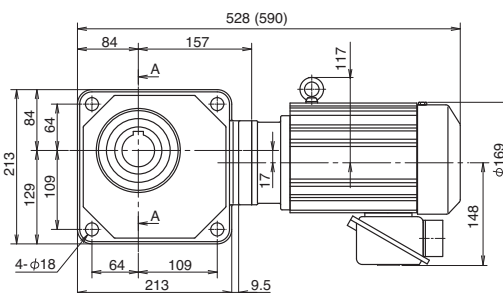
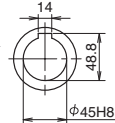
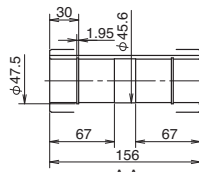
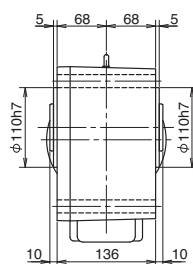


Fig. 2

RNYM1H-1630-100~120
(RNYM1H-1630-B-100~120)

Mass 52kg
(Mass 56kg)

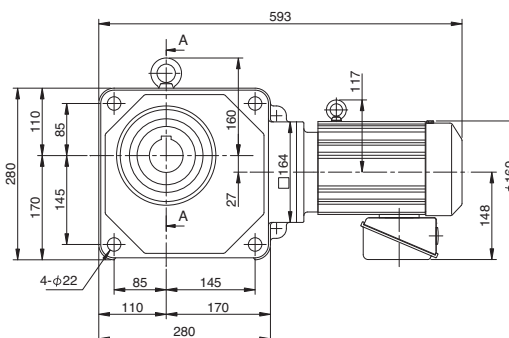
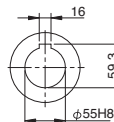
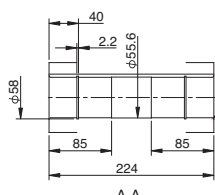
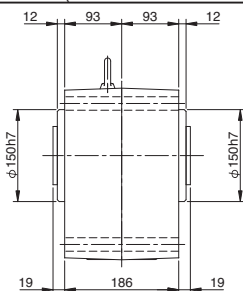
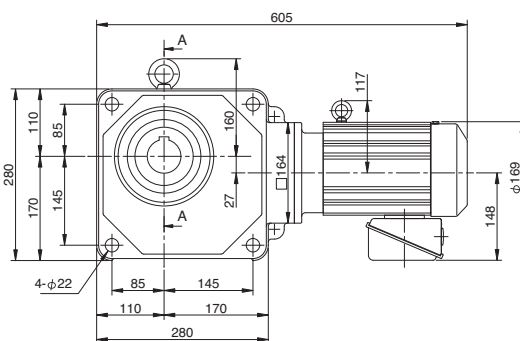
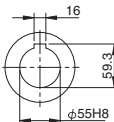
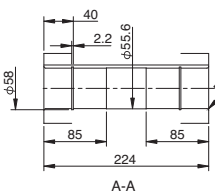
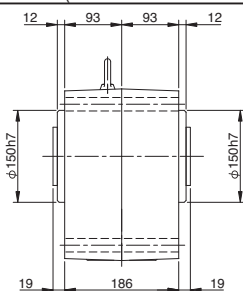


Fig. 3

RNYM1H-1631-150~240
(RNYM1H-1631-B-150~240)

Mass 53kg
(Mass 57kg)



Notes : 1. Output shaft diameter dimensions : Dimension tolerance in accordance with JIS B 0401-1976 "H8".

2. Output shaft keyway dimensions : Dimension tolerance in accordance with JIS B 1301-1996 parallel key (Normal Grade).

3. Dimensions and Masses in the drawings are subject to change without notice.



1.5kW 3-phase Motor



1.5

kW

RNYM Series Hollow Shaft Type

Motor Speed n_1	50Hz	1450r/min
60Hz	1750r/min	

Output speed n ₂ r/min		Output Torque Tout				SF	Allowable Pro				Capacity Symbol	Frame Size	Reduction Ratio	Outline Drawing Fig.		
		Nm		kgf m			N		kgf							
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz		50Hz	60Hz	50Hz	60Hz						
290	350	42.0	34.8	4.29	3.55	1.47	2160	2060	220	210	2	—	1410	—	5	4
						1.03	2160	2060	220	210	2	—	1420	—	5	5
						1.47	3140	2940	320	300	2	—	1520	—	5	6
207	250	58.9	48.8	6.00	4.97	1.47	2450	2300	250	235	2	—	1410	—	7	4
						1.03	2450	2300	250	235	2	—	1420	—	7	5
						1.47	3530	3330	360	340	2	—	1520	—	7	6
145	175	84.1	69.7	8.57	7.10	1.03	2750	2600	280	265	2	—	1410	—	10	4
						1.03	2750	2600	280	265	2	—	1420	—	10	5
						1.47	3920	3730	400	380	2	—	1520	—	10	6

Notes : 1. Motor slippage may affect n_1 and n_2 .

2. Allowable radial load shows the value when the distance from hollow shaft end to the point of radial load is 20 mm.

Designate model and voltage and frequency when ordering. Brackets contain dimension, model, or mass of type with brakes.

Fig. 4

RNYM2-1410-5~10
(RNYM2-1410-B-5~10)

Mass 22kg
(Mass 26kg)

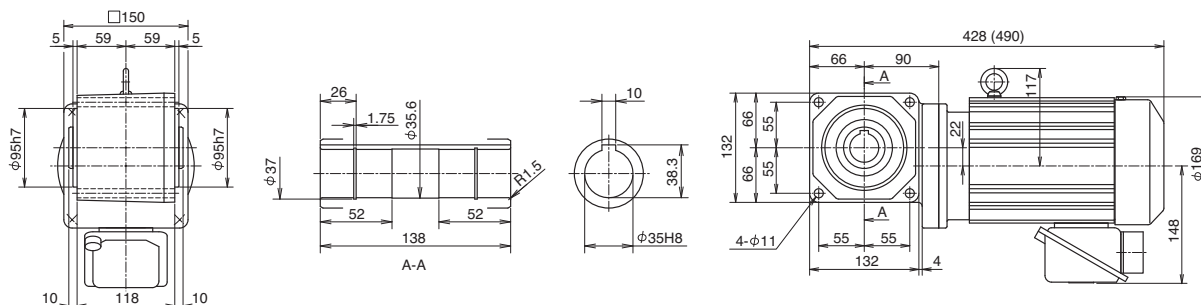


Fig. 5

RNYM2-1420-5~10
(RNYM2-1420-B-5~10)

Mass 22kg
(Mass 26kg)

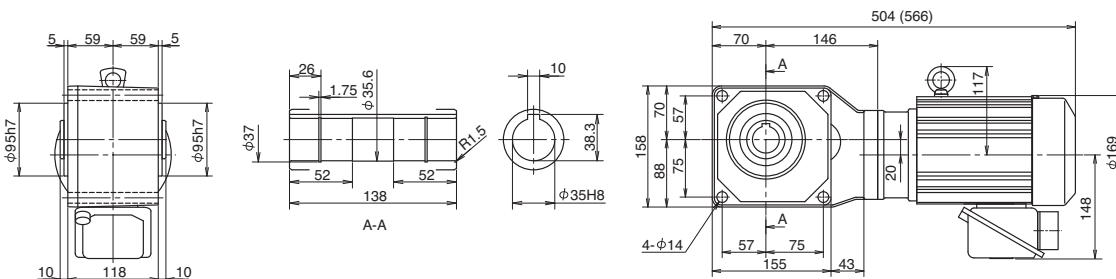
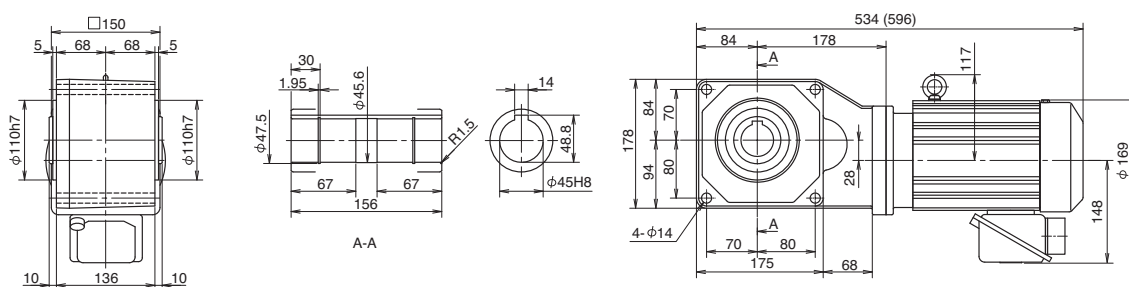


Fig. 6

RNYM2-1520-80~120
(RNYM2-1520-B-80~120)

Mass 31kg
(Mass 35kg)



Notes : 1. Output shaft diameter dimensions : Dimension tolerance in accordance with JIS B 0401-1976 "H8".

2. Output shaft keyway dimensions : Dimension tolerance in accordance with JIS B 1301-1996 parallel key (Normal Grade).

3. Dimensions and Masses in the drawings are subject to change without notice.



3-phase Motor Indoor Type

Motor Speed n ₁	50Hz	1450r/min
60Hz	1750r/min	

Output speed n ₂ r/min		Output Torque Tout				SF	Allowable Pro				Capacity Symbol	Frame Size	Reduction Ratio	Outline Drawing Fig.		
		Nm		kgf m			N		kgf							
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz		50Hz	60Hz	50Hz	60Hz						
121	146	101	83.6	10.3	8.52	1.03	2840	2750	290	280	2	—	1420	—	12	1
						1.47	4120	3970	420	405	2	—	1520	—	12	2
96.7	117	126	104	12.9	10.7	1.03	3090	2940	315	300	2	—	1420	—	15	1
						1.47	4410	4220	450	430	2	—	1520	—	15	2
72.5	87.5	168	139	17.1	14.2	1.03	3330	3190	340	325	2	—	1420	—	20	1
						1.47	4810	4610	490	470	2	—	1520	—	20	2
58.0	70.0	210	174	21.4	17.8	1.03	3530	3380	360	345	2	—	1420	—	25	1
						1.47	5100	4900	520	500	2	—	1520	—	25	2
48.3	58.3	252	209	25.7	21.3	1.03	3730	3580	380	365	2	—	1420	—	30	1
						1.47	5340	5150	545	525	2	—	1520	—	30	2

Notes : 1. Motor slippage may affect n₁ and n₂.

2. Allowable radial load shows the value when the distance from hollow shaft end to the point of radial load is 20 mm.

Fig. 1

Designate model and voltage and frequency when ordering. Brackets contain dimension, model, or mass of type with brakes.
 RNYM2-1420-12~30 Mass 22kg
 (RNYM2-1420-B-12~30) (Mass 26kg)

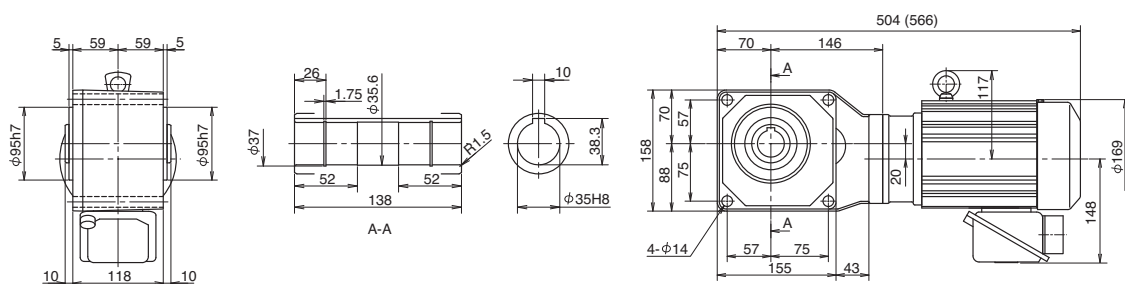
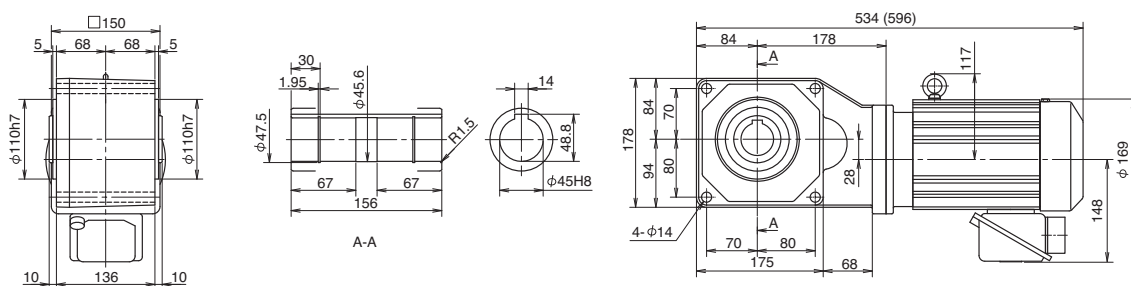


Fig. 2

RNYM2-1520-12~30
 (RNYM2-1520-B-12~30)

Mass 31kg
 (Mass 35kg)



Notes : 1. Output shaft diameter dimensions : Dimension tolerance in accordance with JIS B 0401-1976 "H8".

2. Output shaft keyway dimensions : Dimension tolerance in accordance with JIS B 1301-1996 parallel key (Normal Grade).

3. Dimensions and Masses in the drawings are subject to change without notice.



1.5kW 3-phase Motor



1.5

kW

RNYM Series Hollow Shaft Type

Motor Speed n_1	50Hz	1450r/min
60Hz	1750r/min	

Output speed n_2 r/min		Output Torque T_{out}				SF	Allowable Pro				Capacity Symbol	Frame Size	Reduction Ratio	Outline Drawing Fig.		
		Nm		kgf m			N		kgf							
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	1.03	5740	5540	585	565	2	—	1520	—	40	3
36.3	43.8	336	279	34.3	28.4	1.47	5740	5540	585	565	2	—	1531	—	40	4
29.0	35.0	420	348	42.9	35.5	1.03	6030	5830	615	595	2	—	1520	—	50	3
						1.47	6030	5830	615	595	2	—	1531	—	50	4
24.2	29.2	504	418	51.4	42.6	1.03	6230	6030	635	615	2	—	1520	—	60	3
						1.47	6230	6030	635	615	2	—	1531	—	60	4

Notes : 1. Motor slippage may affect n_1 and n_2 .

2. Allowable radial load shows the value when the distance from hollow shaft end to the point of radial load is 20 mm.

Hollow Shaft

3-phase

Fig. 3

Designate model and voltage and frequency when ordering. Brackets contain dimension, model, or mass of type with brakes.

RNYM2-1520-40~60
(RNYM2-1520-B-40~60)

Mass 31kg
(Mass 35kg)

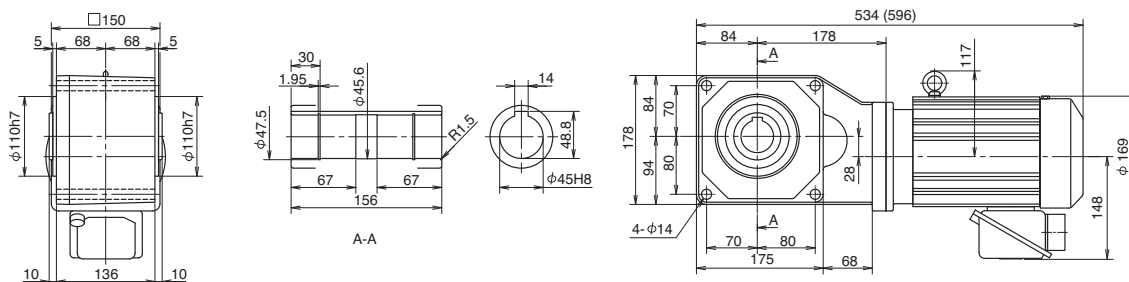
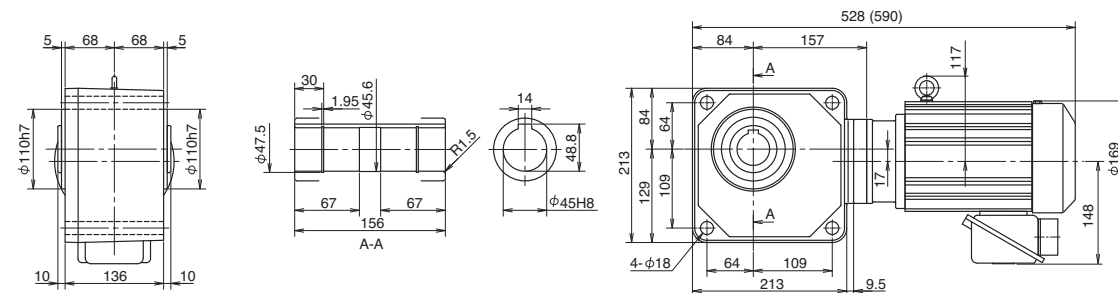


Fig. 4

RNYM2-1531-40~80
(RNYM2-1531-B-40~80)

Mass 30kg
(Mass 34kg)



Notes : 1. Output shaft diameter dimensions : Dimension tolerance in accordance with JIS B 0401-1976 "H8".

2. Output shaft keyway dimensions : Dimension tolerance in accordance with JIS B 1301-1996 parallel key (Normal Grade).

3. Dimensions and Masses in the drawings are subject to change without notice.



1.5kW 3-phase Motor

3-phase Motor Indoor Type

Motor Speed n_1	50Hz	1450r/min
60Hz	1750r/min	

Output speed n ₂ r/min		Output Torque Tout				SF	Allowable Pro				Capacity Symbol	Frame Size	Reduction Ratio	Outline Drawing Fig.		
		Nm		kgf m			N		kgf							
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz		50Hz	60Hz	50Hz	60Hz						
18.1	21.9	673	557	68.6	56.8	1.03	6230	6130	635	625	2	—	1531	—	80	1
						1.47	9810	9660	1000	985	2	—	1630	—	80	2
14.5	17.5	841	697	85.7	71.0	1.47	9810	9810	1000	1000	2	—	1630	—	100	2
12.1	14.6	1010	836	103	85.2	1.47	9810	9810	1000	1000	2	—	1630	—	120	
9.67	11.7	1260	1040	129	107	1.17	9810	9810	1000	1000	2	—	1631	—	150	3
7.25	8.75	1480	1390	151	142	*	9810	9810	1000	1000	2	—	1631	—	200	
6.04	7.29	1480	1480	151	151	*	9810	9810	1000	1000	2	—	1631	—	240	

Notes : 1. Motor slippage may affect n_1 and n_2 .

2. Allowable radial load shows the value when the distance from hollow shaft end to the point of radial load is 20 mm.

Designate model and voltage and frequency when ordering. Brackets contain dimension, model, or mass of type with brakes.

Fig. 1

RNYM2-1531-80
(RNYM2-1531-B-80)

Mass 30kg
(Mass 34kg)

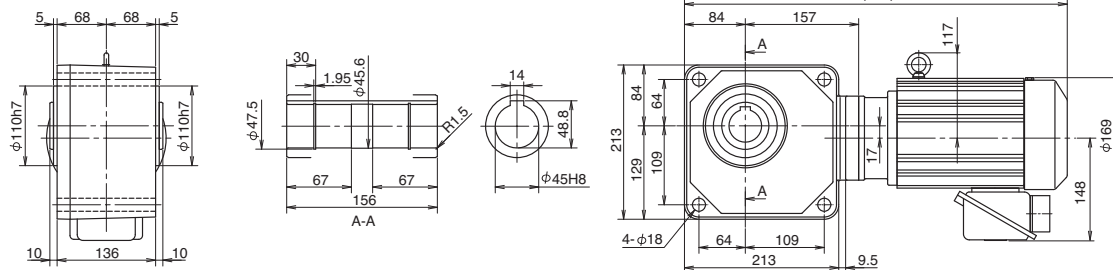


Fig. 2

RNYM2-1630-80~120
(RNYM2-1630-B-80~120)

Mass 52kg
(Mass 56kg)

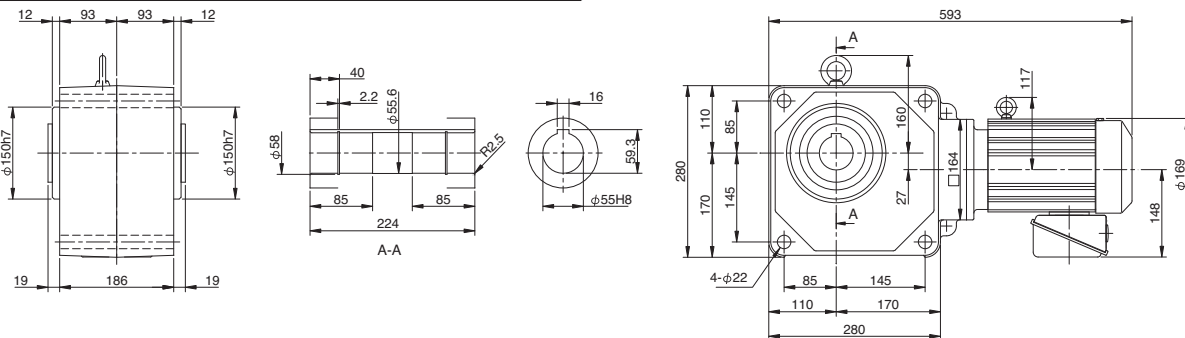
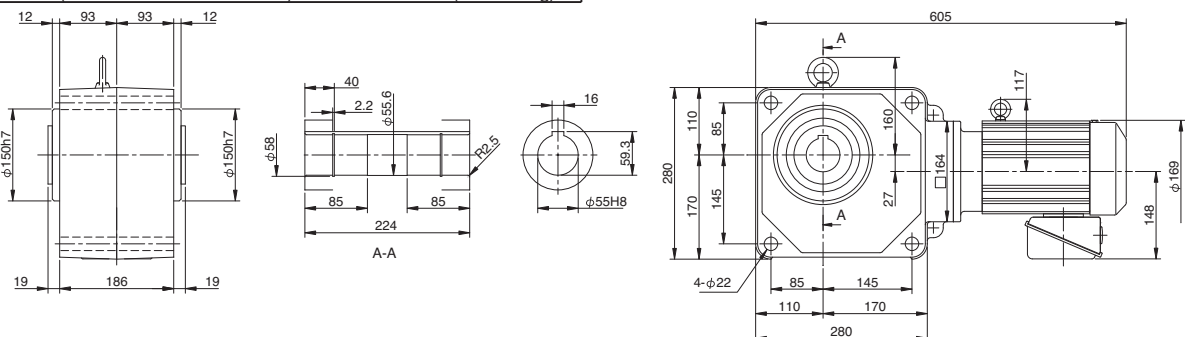


Fig. 3

RNYM2-1631-150~240
(RNYM2-1631-B-150~240)

Mass 53kg
(Mass 57kg)



Notes : 1. Output shaft diameter dimensions : Dimension tolerance in accordance with JIS B 0401-1976 "H8".

2. Output shaft keyway dimensions : Dimension tolerance in accordance with JIS B 1301-1996 parallel key (Normal Grade).

3. Dimensions and Masses in the drawings are subject to change without notice.

