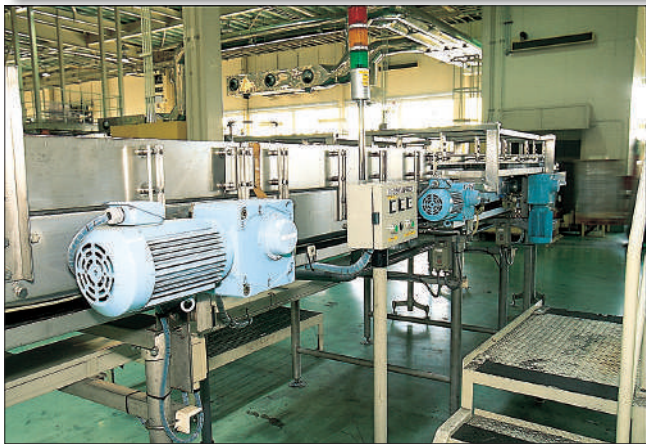
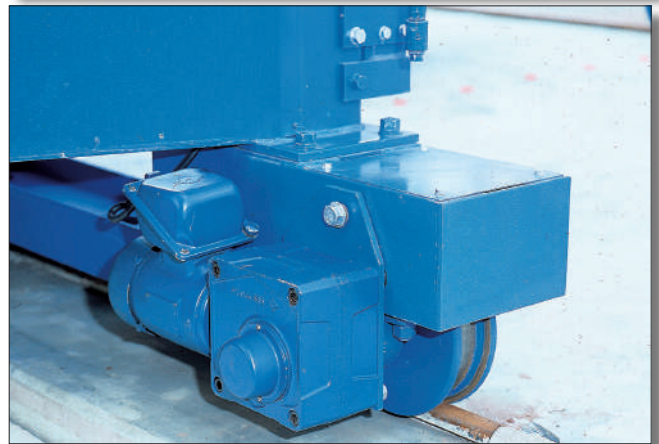


Right angle HYPONIC Drive® allows compact designs

Conveyor lines in breweries



Driving trucks

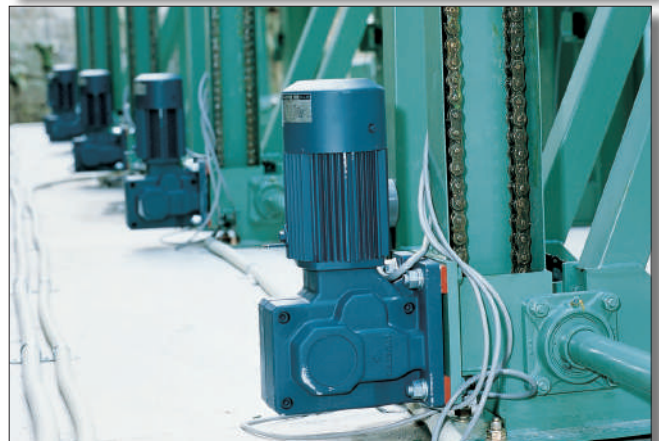


**Direct installation using hollow shaft type (with torque arm).
No requirement for sprockets, chains and other coupling equipment.**

Crushers

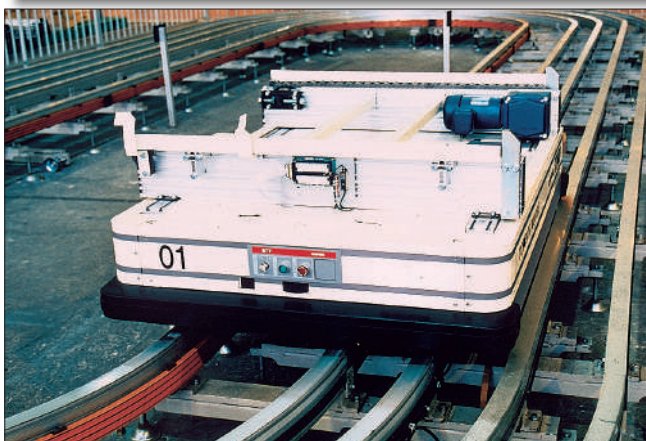


Dehydrator

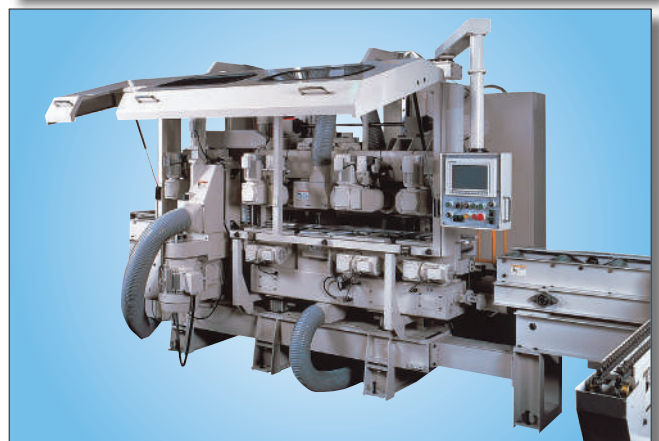


Easy installation by using through bolts directly into the casing.

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
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LET'S SUMITOMO GEAR MOTOR

Hollow Shaft

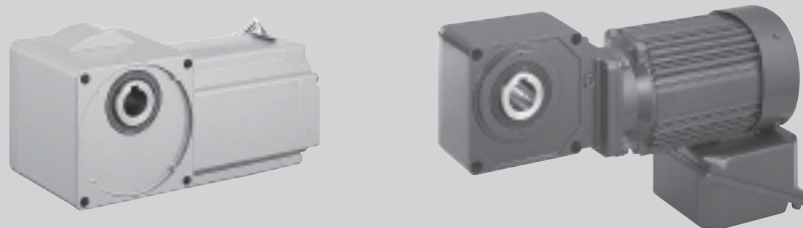
3-phase

Single-phase

Motors for Inverters

HYPONIC Drive®

Hollow Shaft



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		50Hz	60Hz	50Hz	60Hz					
290	350	2.80	2.32	0.286	0.237	2.00	539	490	55	50	01 —	1010	—	5	1
						2.00	637	588	65	60	01 —	1120	—	5	2
207	250	3.92	3.25	0.400	0.332	2.00	588	539	60	55	01 —	1010	—	7	1
						2.00	686	637	70	65	01 —	1120	—	7	2
145	175	5.61	4.64	0.572	0.474	1.00	637	588	65	60	01 —	1010	—	10	1
						2.00	785	735	80	75	01 —	1120	—	10	2
121	146	6.73	5.57	0.686	0.568	2.00	834	785	85	80	01 —	1120	—	12	2
96.7	117	8.41	6.97	0.857	0.710	2.00	883	834	90	85	01 —	1120	—	15	
72.5	87.5	11.2	9.29	1.14	0.947	2.00	981	932	100	95	01 —	1120	—	20	
58.0	70.0	14.0	11.6	1.43	1.18	2.00	1030	981	105	100	01 —	1120	—	25	
48.3	58.3	16.8	13.9	1.71	1.42	2.00	1080	1030	110	105	01 —	1120	—	30	
36.3	43.8	22.4	18.6	2.29	1.89	1.00	1180	1130	120	115	01 —	1120	—	40	
						2.00	1620	1570	165	160	01 —	1220	—	40	3
29.0	35.0	28.0	23.2	2.86	2.37	1.00	1270	1230	130	125	01 —	1120	—	50	2
						2.00	1720	1670	175	170	01 —	1220	—	50	3
24.2	29.2	33.6	27.9	3.43	2.84	1.00	1320	1270	135	130	01 —	1120	—	60	2
						2.00	1770	1720	180	175	01 —	1220	—	60	3

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

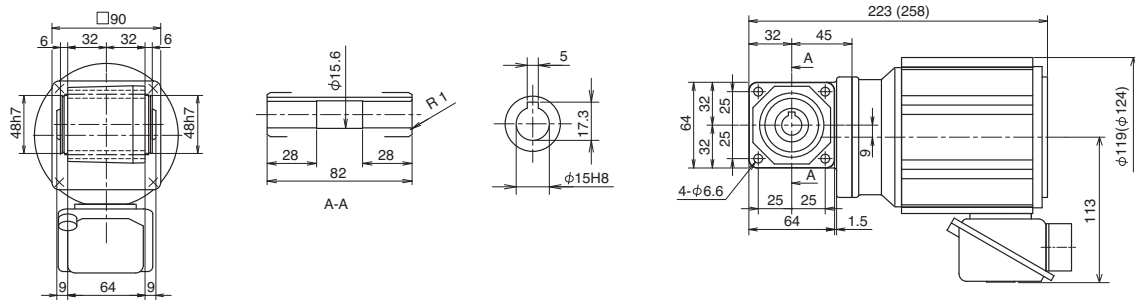
RNYM01-1010-5~10
(RNYM01-1010-B-5~10)Mass 5.0kg
(Mass 6.5kg)

Fig. 2

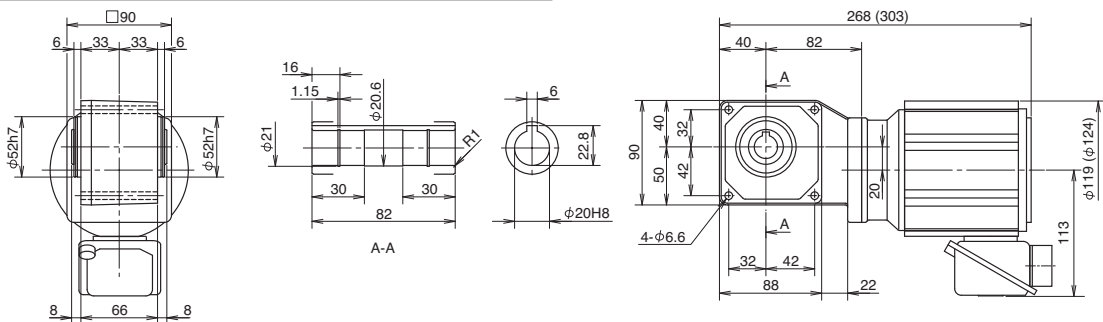
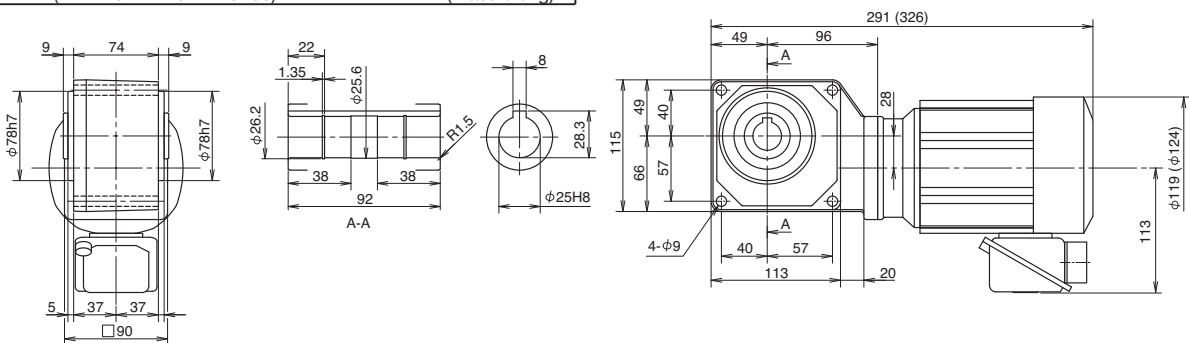
RNYM01-1120-5~60
(RNYM01-1120-B-5~60)Mass 6.0kg
(Mass 7.5kg)

Fig. 3

RNYM01-1220-40~60
(RNYM01-1220-B-40~60)Mass 7.0kg
(Mass 8.5kg)

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

2. Output shaft keyway dimensions : Dimension tolerance in

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

0.1kW 3-phase Motor



0.1
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		50Hz	60Hz	50Hz	60Hz				
18.1	21.9	44.8	37.2	4.57	3.79	1.00	1770	1770	180	180	01 — 1230	— 80	4	
						2.00	3040	2940	310	300	01 — 1330	— 80	5	
14.5	17.5	56.1	46.4	5.72	4.74	1.00	1810	1770	185	180	01 — 1230	— 100	4	
						2.00	3090	3040	315	310	01 — 1330	— 100	5	
12.1	14.6	67.3	55.7	6.86	5.68	1.00	1810	1810	185	185	01 — 1230	— 120	4	
						2.00	3090	3090	315	315	01 — 1330	— 120	5	
9.67	11.7	84.1	69.7	8.57	7.10	1.00	1810	1810	185	185	01 — 1230	— 150	4	
						2.00	3090	3090	315	315	01 — 1330	— 150	5	
7.25	8.75	98.1	92.9	10.0	9.47	*	1810	1810	185	185	01 — 1230	— 200	4	
		112	92.9	11.4	9.47	1.74	3090	3090	315	315	01 — 1330	— 200	5	
6.04	7.29	98.1	98.1	10.0	10.0	*	1810	1810	185	185	01 — 1230	— 240	4	
		135	111	13.7	11.4	1.45	3090	3090	315	315	01 — 1330	— 240	5	

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.

3. Output torque is limited when SF is *. It must be used within the value stipulated in the table as overload may occur if the motor is loaded to its full capacity.

Fig. 4

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

RNYM01-1230-80~240
(RNYM01-1230-B-80~840) Mass 7.5kg
(Mass 9.0kg)

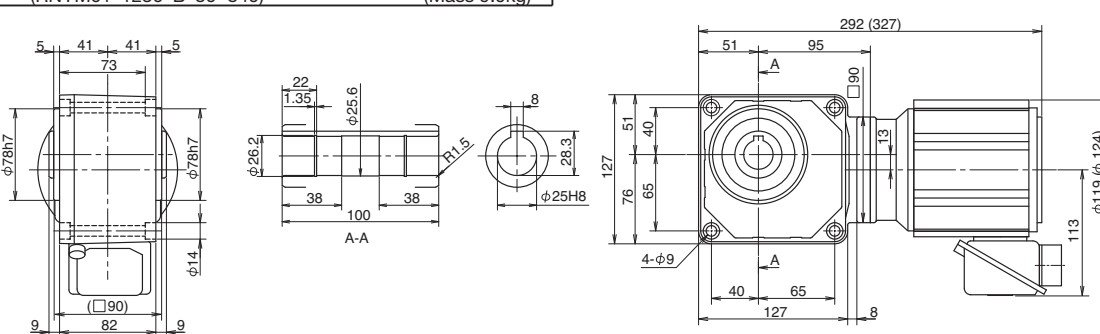
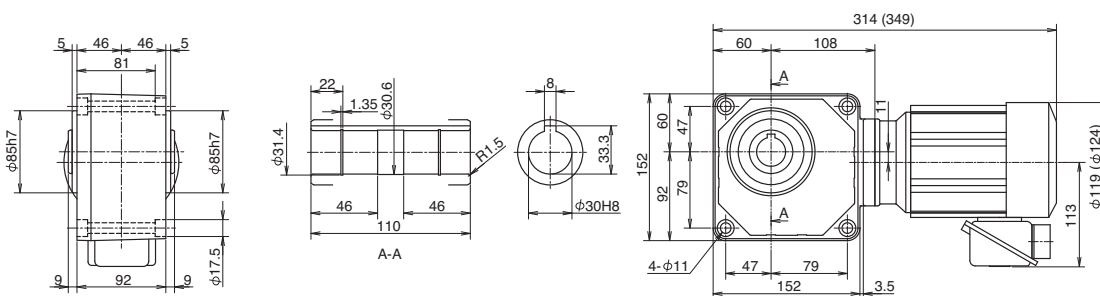


Fig. 5

RNYM01-1330-80~240
(RNYM01-1330-B-80~840)

Mass 9.0kg
(Mass 10kg)



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.



RNYM Series Hollow Shaft Type

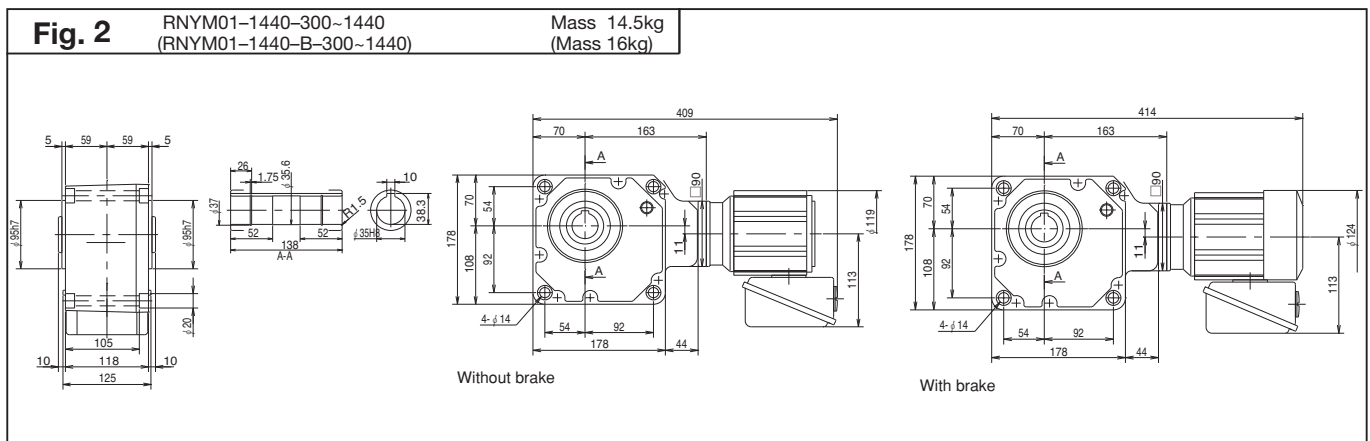
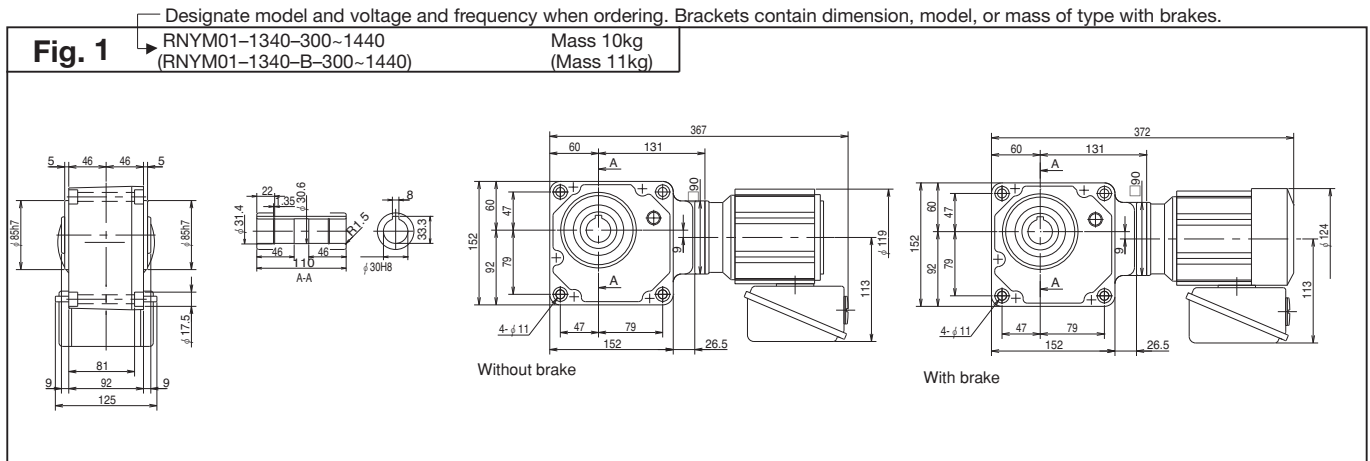
Motor Speed n ₁	50Hz	1450r/min
60Hz	1750r/min	

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					
4.83	5.83	158	131	16.1	13.4	1.00	3090	3090	315	315	01	—1340	—	300	1
						2.00	4360	4360	445	445	01	—1440	—	300	2
4.03	4.86	190	157	19.4	16.0	1.00	3090	3090	315	315	01	—1340	—	360	1
						2.00	4360	4360	445	445	01	—1440	—	360	2
3.02	3.65	195	195	19.9	19.9	*	3090	3090	315	315	01	—1340	—	480	1
		253	210	25.8	21.4	1.54	4360	4360	445	445	01	—1440	—	480	2
2.42	2.92	195	195	19.9	19.9	*	3090	3090	315	315	01	—1340	—	600	1
		317	262	32.3	26.7	1.23	4360	4360	445	445	01	—1440	—	600	2
2.01	2.43	195	195	19.9	19.9	*	3090	3090	315	315	01	—1340	—	720	1
		380	315	38.7	32.1	1.03	4360	4360	445	445	01	—1440	—	720	2
1.61	1.94	195	195	19.9	19.9	*	3090	3090	315	315	01	—1340	—	900	1
		390	390	39.8	39.8	*	4360	4360	445	445	01	—1440	—	900	2
1.21	1.46	195	195	19.9	19.9	*	3090	3090	315	315	01	—1340	—	1200	1
		390	390	39.8	39.8	*	4360	4360	445	445	01	—1440	—	1200	2
1.01	1.22	195	195	19.9	19.9	*	3090	3090	315	315	01	—1340	—	1440	1
		390	390	39.8	39.8	*	4360	4360	445	445	01	—1440	—	1440	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.

3. Output torque is limited when SF is *. It must be used within the value stipulated in the table as overload may occur if the motor is loaded to its full capacity.



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.



0.2kW 3-phase Motor



0.2

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		50Hz	60Hz	50Hz	60Hz					
290	350	5.61	4.64	0.572	0.474	2.00	637	588	65	60	02 —	1110	—	5	3
						1.00	637	588	65	60	02 —	1120	—	5	4
						2.00	883	834	90	85	02 —	1220	—	5	5
207	250	7.85	6.50	0.800	0.663	2.00	686	637	70	65	02 —	1110	—	7	3
						1.00	686	637	70	65	02 —	1120	—	7	4
						2.00	981	932	100	95	02 —	1220	—	7	5
145	175	11.2	9.29	1.14	0.947	1.00	785	735	80	75	02 —	1110	—	10	3
						1.00	785	735	80	75	02 —	1120	—	10	4
						2.00	1080	1030	110	105	02 —	1220	—	10	5

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.

Fig. 3

Designate model and voltage and frequency when ordering. Brackets contain dimension, model, or mass of type with brakes.
RNYM02-1110-5~10 Mass 6.0kg
(RNYM02-1110-B-5~10) (Mass 7.5kg)

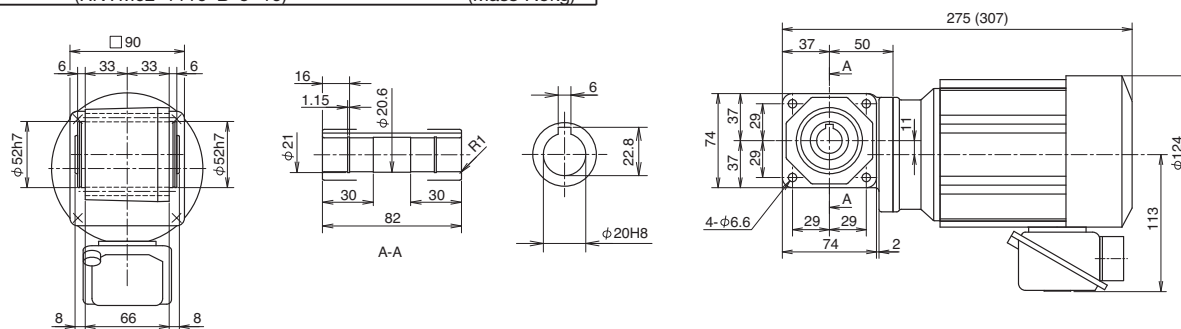


Fig. 4

RNYM02-1120-5~10
(RNYM02-1120-B-5~10)

Mass 7.0kg
(Mass 8.5kg)

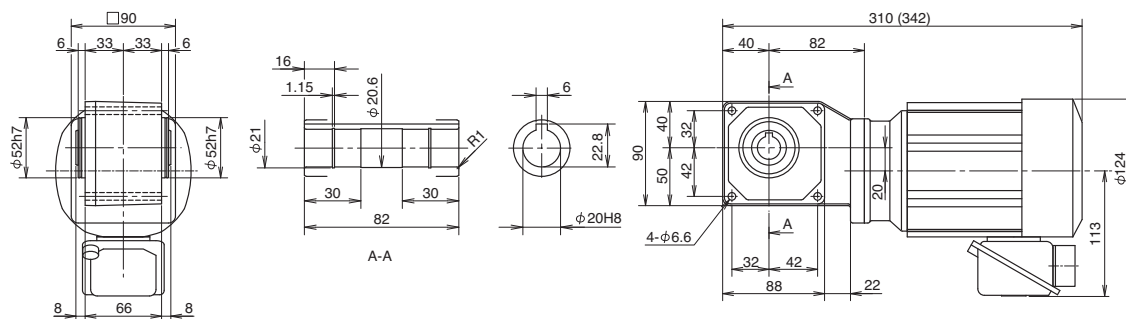
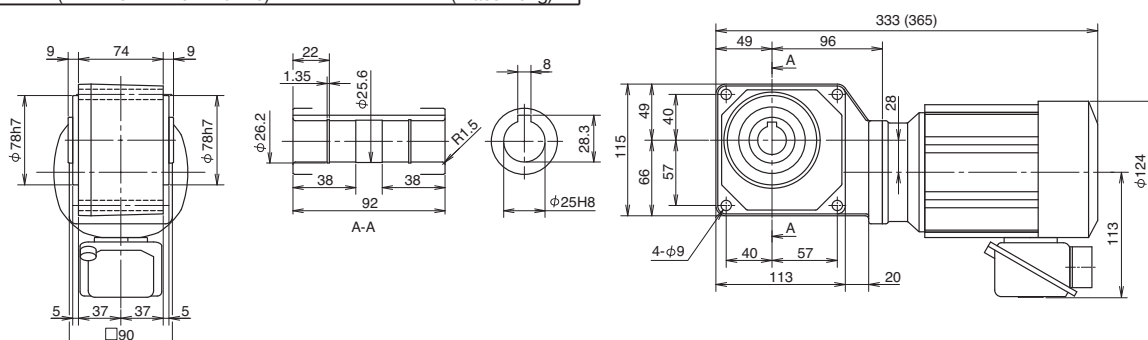


Fig. 5

RNYM02-1220-5~10
(RNYM02-1220-B-5~10)

Mass 8.5kg
(Mass 10kg)



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.



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		50Hz	60Hz	50Hz	60Hz					
121	146	13.5	11.1	1.37	1.14	1.00	834	785	85	80	02 —	1120	—	12	1
						2.00	1130	1080	115	110	02 —	1220	—	12	2
96.7	117	16.8	13.9	1.71	1.42	1.00	883	834	90	85	02 —	1120	—	15	1
						2.00	1230	1180	125	120	02 —	1220	—	15	2
72.5	87.5	22.4	18.6	2.29	1.89	1.00	981	932	100	95	02 —	1120	—	20	1
						2.00	1370	1320	140	135	02 —	1220	—	20	2
58.0	70.0	28.0	23.2	2.86	2.37	1.00	1030	981	105	100	02 —	1120	—	25	1
						2.00	1470	1370	150	140	02 —	1220	—	25	2
48.3	58.3	33.6	27.9	3.43	2.84	1.00	1080	1030	110	105	02 —	1120	—	30	1
						2.00	1520	1470	155	150	02 —	1220	—	30	2
36.3	43.8	44.8	37.2	4.57	3.79	1.00	1620	1570	165	160	02 —	1220	—	40	2
						2.00	2650	2550	270	260	02 —	1320	—	40	3
29.0	35.0	56.1	46.4	5.72	4.74	1.00	1720	1670	175	170	02 —	1220	—	50	2
						2.00	2840	2750	290	280	02 —	1320	—	50	3
24.2	29.2	67.3	55.7	6.86	5.68	1.00	1770	1720	180	175	02 —	1220	—	60	2
						2.00	2940	2840	300	290	02 —	1320	—	60	3

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

RNYM02-1120-12~30
(RNYM02-1120-B-12~30)

Mass 7.0kg
(Mass 8.5kg)

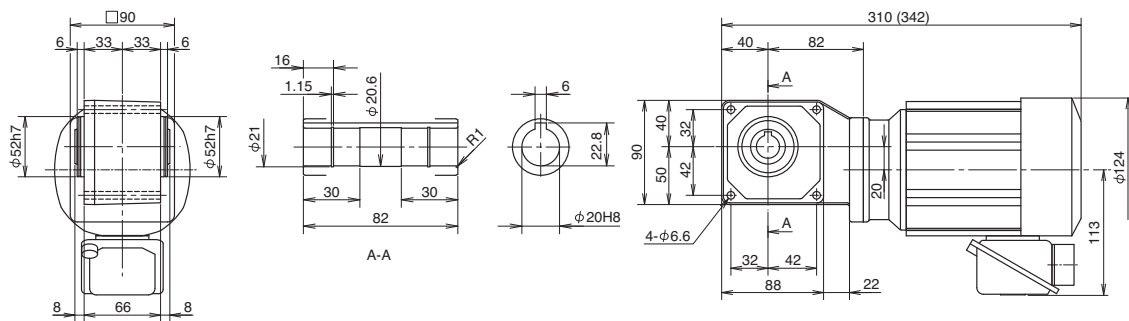


Fig. 2

RNYM02-1220-12~60
(RNYM02-1220-B-12~60)

Mass 8.5kg
(Mass 10kg)

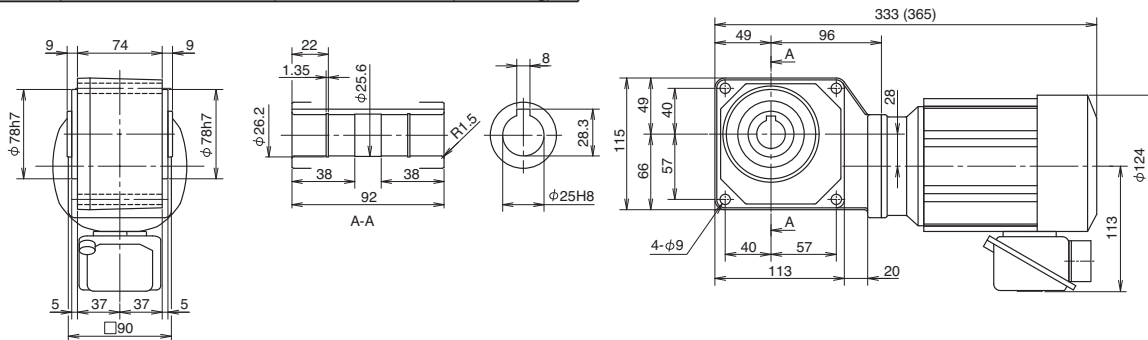
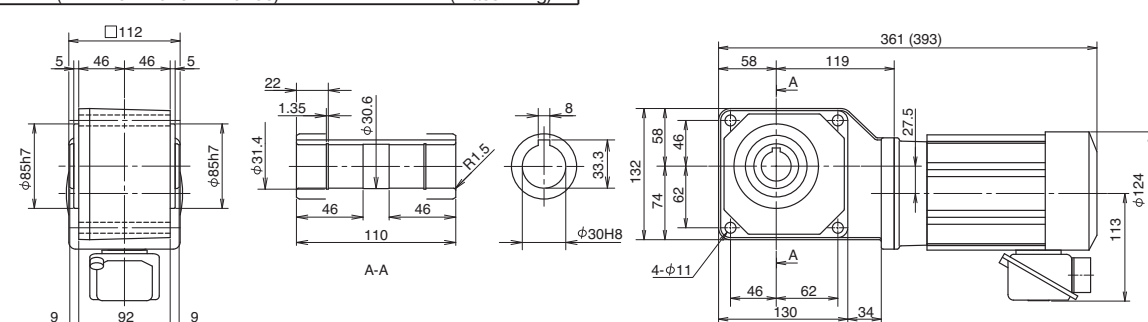


Fig. 3

RNYM02-1320-40~60
(RNYM02-1320-B-40~60)

Mass 10kg
(Mass 11kg)



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

2. Output shaft keyway dimensions : Dimension tolerance in

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

0.2kW 3-phase Motor



0.2
kW

RNYM Series Hollow Shaft Type

Motor Speed	n ₁	50Hz	1450r/min
	n ₂	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	89.7	74.3	9.14	7.58	1.00	3040	2940	310	300	02 —	1330	—	80	4
						2.00	4360	4270	445	435	02 —	1430	—	80	5
14.5	17.5	112	92.9	11.4	9.47	1.00	3090	3040	315	310	02 —	1330	—	100	4
						2.00	4360	4360	445	445	02 —	1430	—	100	5
12.1	14.6	135	111	13.7	11.4	1.00	3090	3090	315	315	02 —	1330	—	120	4
						2.00	4360	4360	445	445	02 —	1430	—	120	5
9.67	11.7	168	139	17.1	14.2	1.00	3090	3090	315	315	02 —	1330	—	150	4
						2.00	4360	4360	445	445	02 —	1430	—	150	5
7.25	8.75	195	186	19.9	18.9	*	3090	3090	315	315	02 —	1330	—	200	4
		224	186	22.9	18.9	1.74	4360	4360	445	445	02 —	1430	—	200	5
6.04	7.29	195	195	19.9	19.9	*	3090	3090	315	315	02 —	1330	—	240	4
		269	223	27.4	22.7	1.45	4360	4360	445	445	02 —	1430	—	240	5

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.

3. Output torque is limited when SF is *. It must be used within the value stipulated in the table as overload may occur if the motor is loaded to its full capacity.

Fig. 4 Designate model and voltage and frequency when ordering. Brackets contain dimension, model, or mass of type with brakes.
RNYM02-1330-80~240 Mass 10kg
(RNYM02-1330-B-80~240) (Mass 11kg)

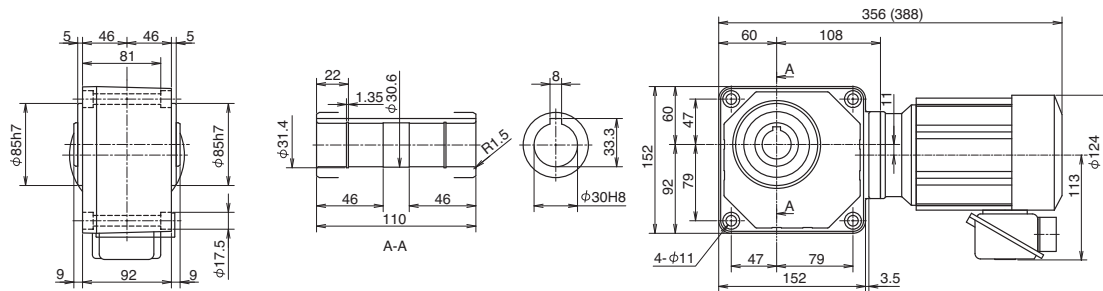
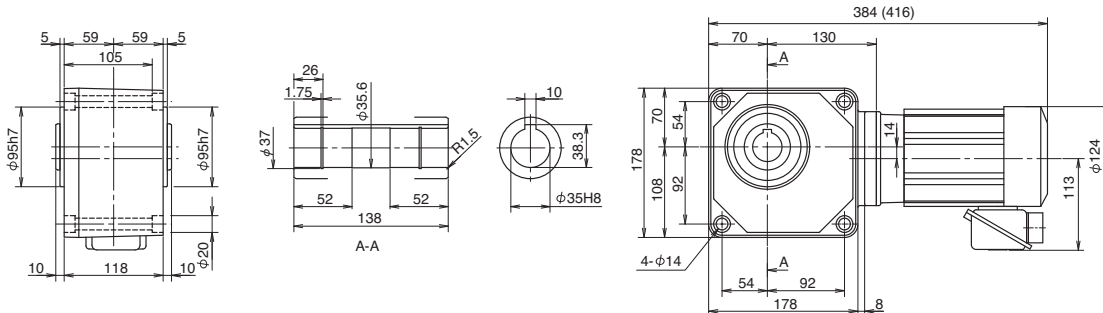


Fig. 5 RNYM02-1430-80~240 Mass 15kg
(RNYM02-1430-B-80~240) (Mass 16kg)



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.



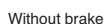
Motor Speed	n_1	50Hz	1450r/min
		60Hz	1750r/min

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.
3. Output torque is limited when SF is *. It must be used within the value stipulated in the table as overload may occur if the motor is loaded to its full capacity.

Mass 15.5kg
(Mass 17kg)



Mass 24.5kg
(Mass 25.5kg)



- 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.




HYPONIC DRIVE GEAR MOTOR

RNYM Hollow Shaft type








SUNAMOTO
Hollow Shaft type
HYPONIC DRIVE

Manufactured in Japan

100 years of drive "cyber" gear



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