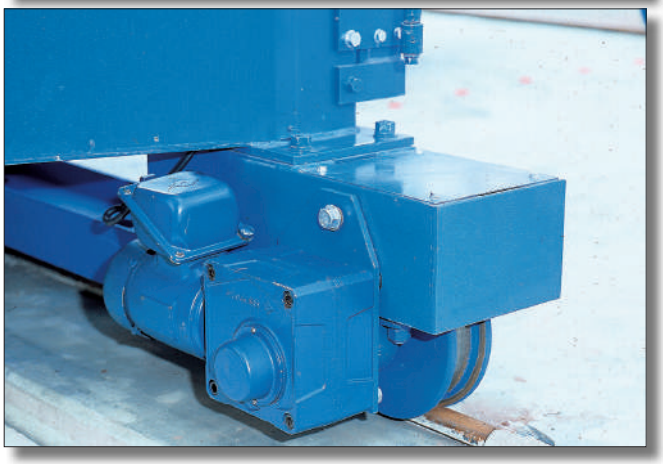
Right angle HYPONIC Drive® allows compact designs

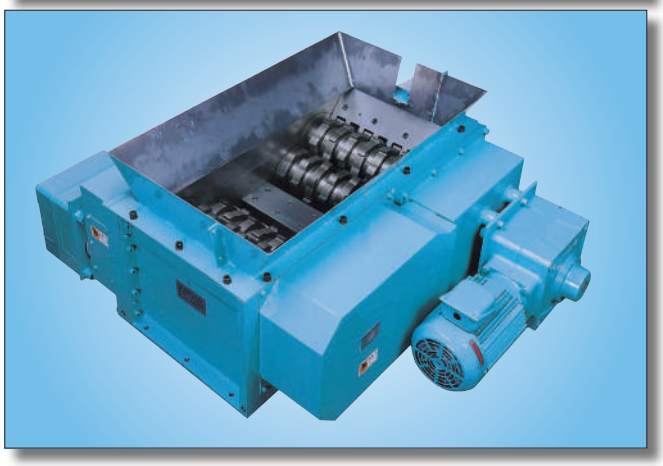
Conveyor lines in breweries

Driving trucks



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

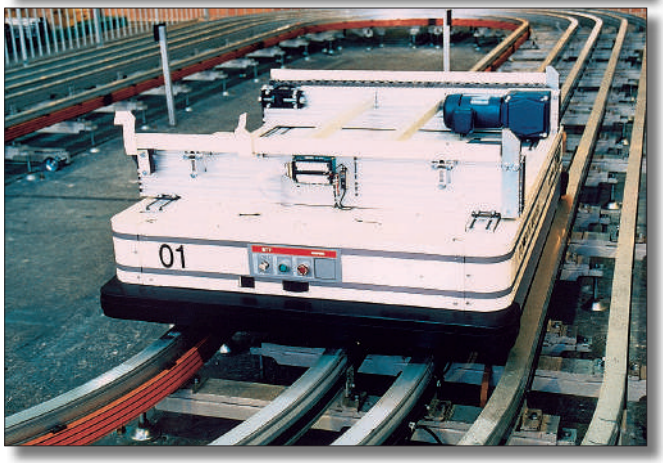
Crushers



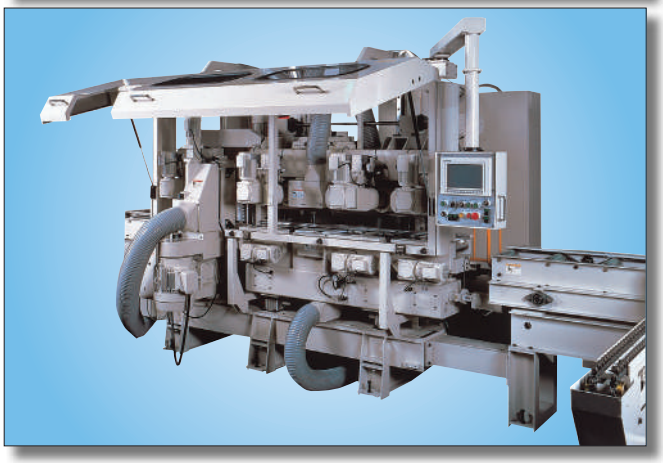
Dehydrator

Easy installation by using through bolts directly into the casing.

Auto-guided vehicle



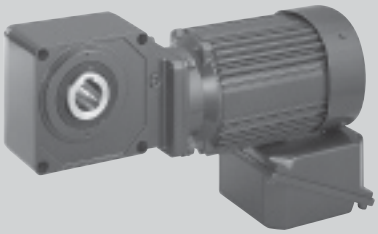
Wood shaving machine



Direct installation with solid shaft flanges.

HyPonic Drive®

Hollow Shaft



0.55kW 3-phase Motor

RNYM Series Hollow Shaft Type

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

Output speed n_2 r/min		Output Torque Tout Nm		Output Torque Tout kgf m		SF	Allowable Pro N		Allowable Pro kgf		Capacity Symbol – Frame Size – Reduction Ratio	Outline Drawing Fig.
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz		50Hz	60Hz	50Hz	60Hz		
290	350	15.4	12.8	1.57	1.30	2.80	1470	1370	150	140	08 — 1310 — 5	3
						1.45					08 — 1320 — 5	4
207	250	21.6	17.9	2.20	1.82	2.80	1670	1570	170	160	08 — 1310 — 7	3
						1.45					08 — 1320 — 7	4
145	175	30.8	25.5	3.14	2.60	1.45	1810	1720	185	175	08 — 1310 — 10	3
						1.45					08 — 1320 — 10	4
121	146	37.0	30.7	3.77	3.13	1.45	1910	1810	195	185	08 — 1320 — 12	
96.7	117	46.2	38.3	4.72	3.91	1.45	2060	1960	210	200	08 — 1320 — 15	
72.5	87.5	61.7	51.1	6.29	5.21	1.45	2260	2160	230	220	08 — 1320 — 20	4
58.0	70.0	77.1	63.9	7.86	6.51	1.45	2350	2260	240	230	08 — 1320 — 25	
48.3	58.3	92.5	76.6	9.43	7.81	1.45	2450	2350	250	240	08 — 1320 — 30	
36.3	43.8	123	102	12.6	10.4	1.45	3970	3820	405	390	08 — 1420 — 40	
29.0	35.0	154	128	15.7	13.0	1.45	4170	4020	425	410	08 — 1420 — 50	5
24.2	29.2	185	153	18.9	15.6	1.45	4310	4170	440	425	08 — 1420 — 60	

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. 3 RNYM08–1310–5~10 (RNYM08–1310–B–5~10) Mass 12kg (Mass 14kg)

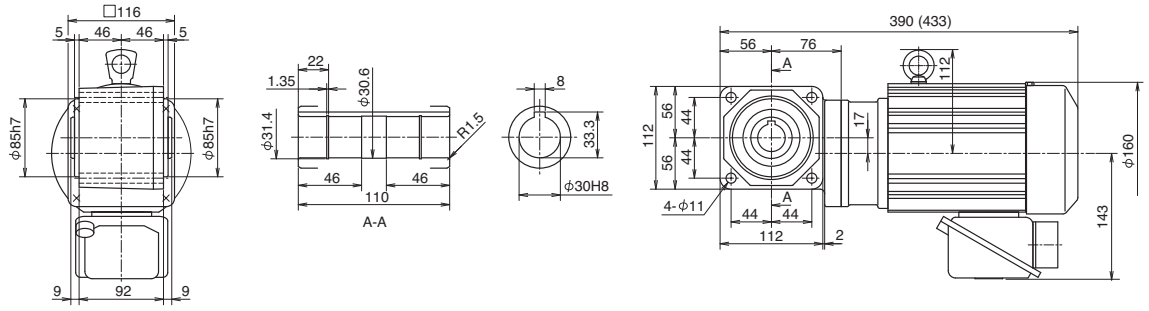


Fig. 4 RNYM08–1320–5~30 (RNYM08–1320–B–5~30) Mass 13kg (Mass 16kg)

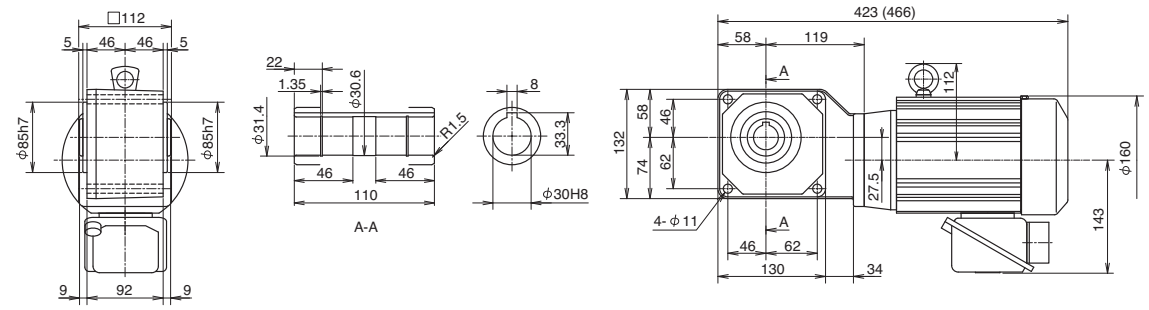
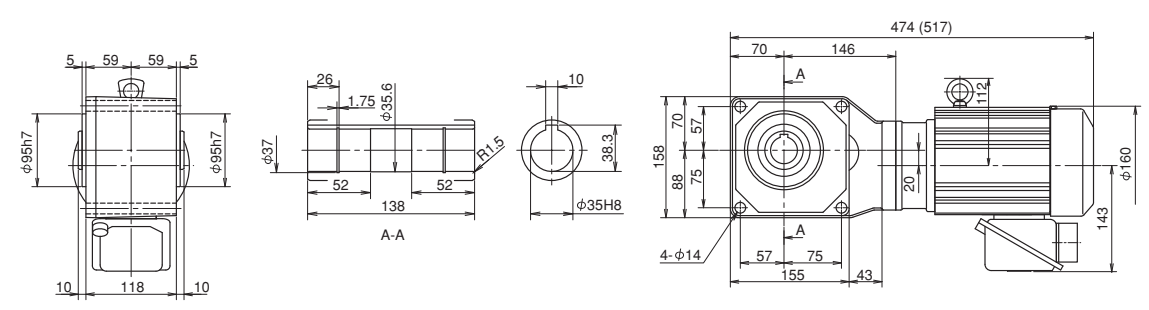


Fig. 5 RNYM08–1420–40~60 (RNYM08–1420–B–40~60) Mass 17kg (Mass 19kg)



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.

0.55kW 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	247	204	25.1	20.8	1.45	6230	6130	635	625	08	— 1530 —	80	1
14.5	17.5	308	255	31.4	26.0	1.45	6230	6230	635	635	08	— 1530 —	100	
12.1	14.6	370	307	37.7	31.3	1.45	6230	6230	635	635	08	— 1530 —	120	
9.67	11.7	462	383	47.2	39.1	1.45	6230	6230	635	635	08	— 1530 —	150	
7.25	8.75	617	511	62.9	52.1	1.19	6230	6230	635	635	08	— 1530 —	200	
6.04	7.29	732	613	74.6	62.5	✻	6230	6230	635	635	08	— 1530 —	240	
4.83	5.83	870	721	88.8	73.5	1.45	9810	9810	1000	1000	08	— 1640 —	300	2
4.03	4.86	1040	870	107	88.3	1.42	9810	9810	1000	1000	08	— 1640 —	360	
3.02	3.65	1390	1150	142	118	1.06	9810	9810	1000	1000	08	— 1640 —	480	
2.42	2.92	1480	1440	151	147	✻	9810	9810	1000	1000	08	— 1640 —	600	
2.01	2.43	1480	1480	151	151	✻	9810	9810	1000	1000	08	— 1640 —	720	
1.61	1.94	1480	1480	151	151	✻	9810	9810	1000	1000	08	— 1640 —	900	
1.21	1.46	1480	1480	151	151	✻	9810	9810	1000	1000	08	— 1640 —	1200	
1.01	1.22	1480	1480	151	151	✻	9810	9810	1000	1000	08	— 1640 —	1440	

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.

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

Fig. 1 RNYM08–1530–80~240 (RNYM08–1530–B–80~240) Mass 24kg (Mass 26kg)

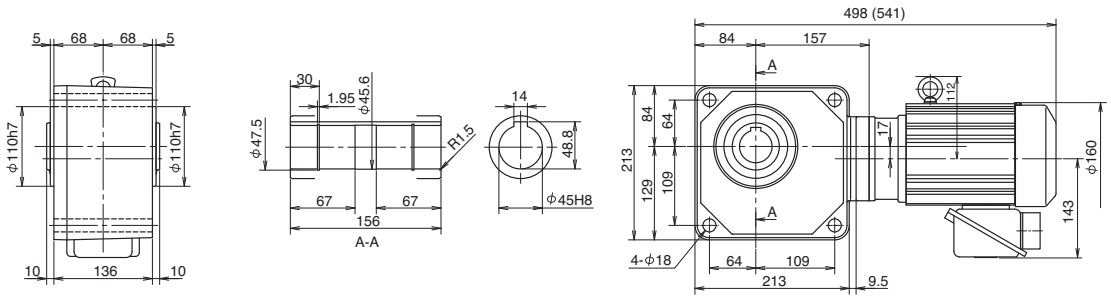
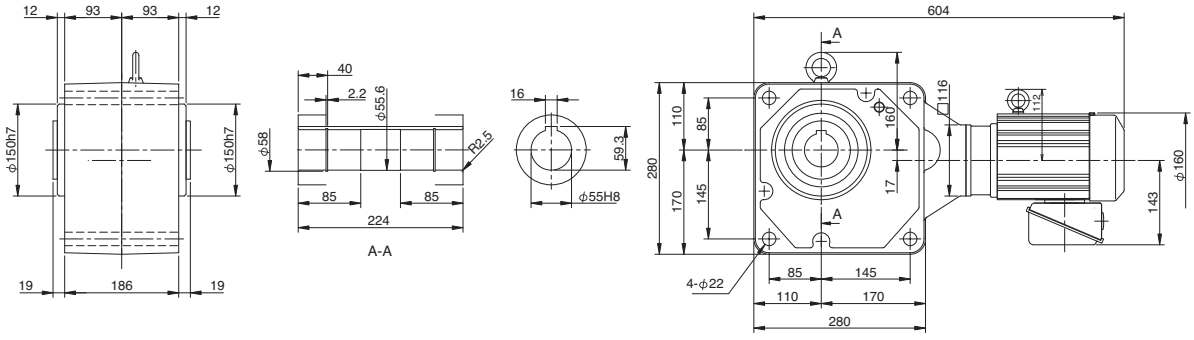


Fig. 2 RNYM08–1640–300~1440 (RNYM08–1640–B–300~1440) Mass 68kg (Mass 70kg)



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.

0.75kW 3-phase Motor

RNYM Series Hollow Shaft Type

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

Output speed n_2 r/min		Output Torque Tout Nm		kgf m		SF	Allowable Pro N		kgf		Capacity Symbol – Frame Size – Reduction Ratio			Outline Drawing Fig.
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz		50Hz	60Hz	50Hz	60Hz				
290	350	21.0	17.4	2.14	1.78	2.05	1470	1370	150	140	1 — 1310 — 5			3
						1.07	1470	1370	150	140	1 — 1320 — 5			4
						2.05	2160	2060	220	210	1 — 1420 — 5			5
207	250	29.4	24.4	3.00	2.49	2.05	1670	1570	170	160	1 — 1310 — 7			3
						1.07	1670	1570	170	160	1 — 1320 — 7			4
						2.05	2450	2300	250	235	1 — 1420 — 7			5
145	175	42.0	34.8	4.29	3.55	1.07	1810	1720	185	175	1 — 1310 — 10			3
						1.07	1810	1720	185	175	1 — 1320 — 10			4
						2.05	2750	2600	280	265	1 — 1420 — 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.

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

Fig. 3 RNYM1–1310–5~10 (RNYM1–1310–B–5~10) Mass 13kg (Mass 16kg)

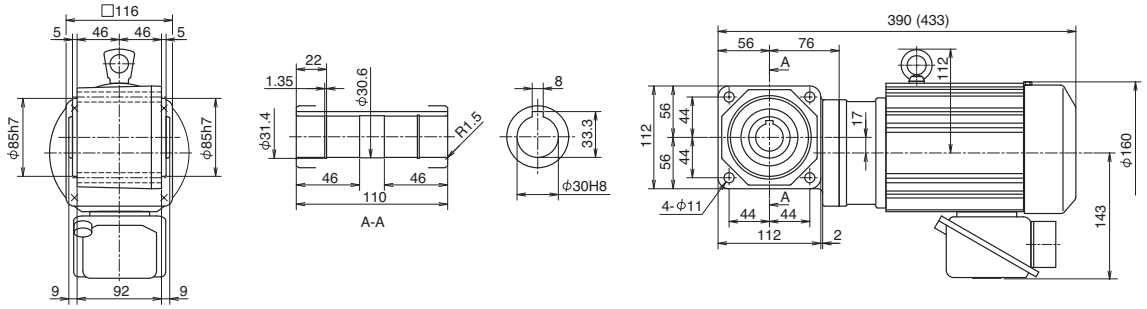


Fig. 4 RNYM1–1320–5~10 (RNYM1–1320–B–5~10) Mass 15kg (Mass 17kg)

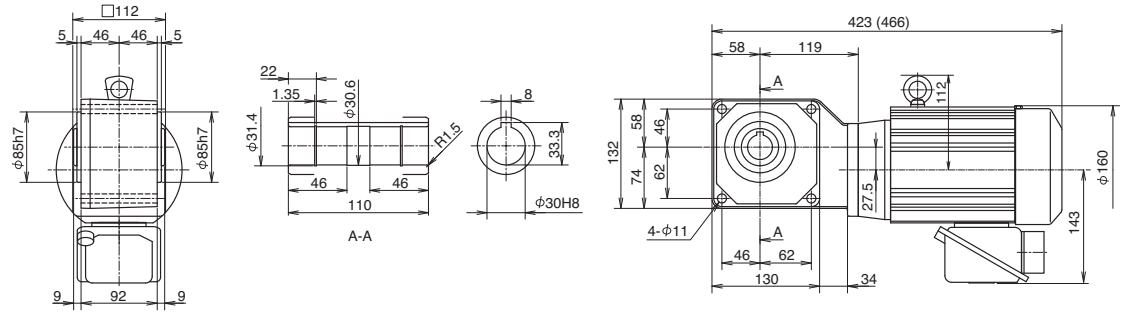
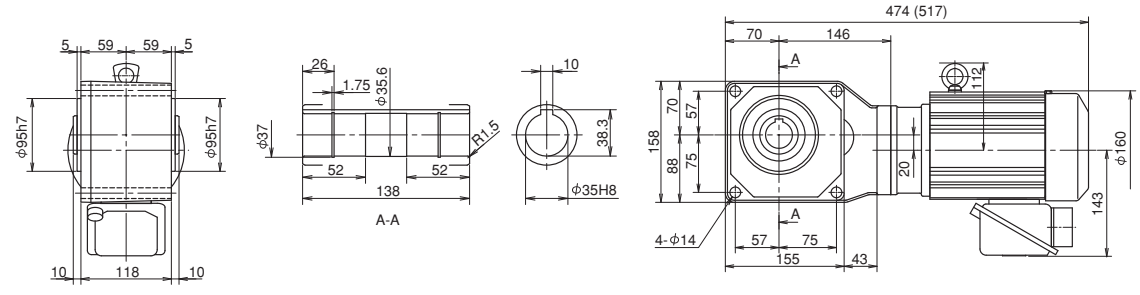


Fig. 5 RNYM1–1420–5~10 (RNYM1–1420–B–5~10) Mass 18kg (Mass 20kg)



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.

0.75kW 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		
121	146	50.4	41.8	5.14	4.26	1.07	1910	1810	195	185	1 — 1320 — 12	1
						2.05	2840	2750	290	280	1 — 1420 — 12	2
96.7	117	63.1	52.2	6.43	5.33	1.07	2060	1960	210	200	1 — 1320 — 15	1
						2.05	3090	2940	315	300	1 — 1420 — 15	2
72.5	87.5	84.1	69.7	8.57	7.10	1.07	2260	2160	230	220	1 — 1320 — 20	1
						2.05	3330	3190	340	325	1 — 1420 — 20	2
58.0	70.0	105	87.1	10.7	8.88	1.07	2350	2260	240	230	1 — 1320 — 25	1
						2.05	3530	3380	360	345	1 — 1420 — 25	2
48.3	58.3	126	104	12.9	10.7	1.07	2450	2350	250	240	1 — 1320 — 30	1
						2.05	3730	3580	380	365	1 — 1420 — 30	2
36.3	43.8	168	139	17.1	14.2	1.07	3970	3820	405	390	1 — 1420 — 40	2
						2.05	5740	5540	585	565	1 — 1520 — 40	3
29.0	35.0	210	174	21.4	17.8	1.07	4170	4020	425	410	1 — 1420 — 50	2
						2.05	6030	5830	615	595	1 — 1520 — 50	3
24.2	29.2	252	209	25.7	21.3	1.07	4310	4170	440	425	1 — 1420 — 60	2
						2.05	6230	6030	635	615	1 — 1520 — 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 RNYM1–1320–12~30 (RNYM1–1320–B–12~30) Mass 15kg (Mass 17kg)

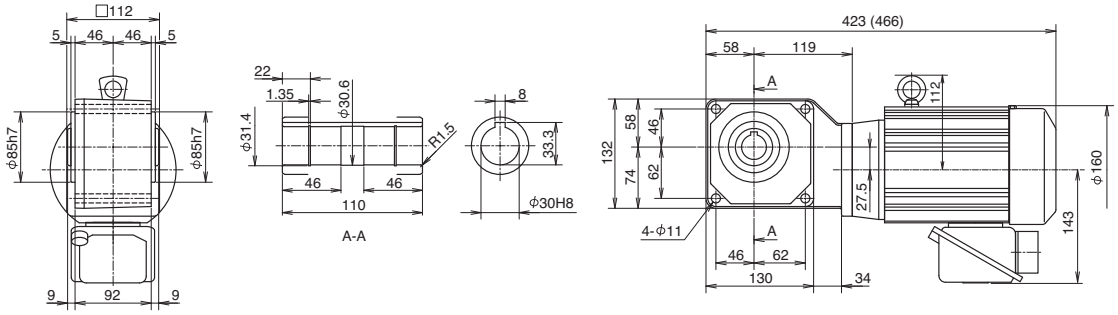


Fig. 2 RNYM1–1420–12~60 (RNYM1–1420–B–12~60) Mass 18kg (Mass 20kg)

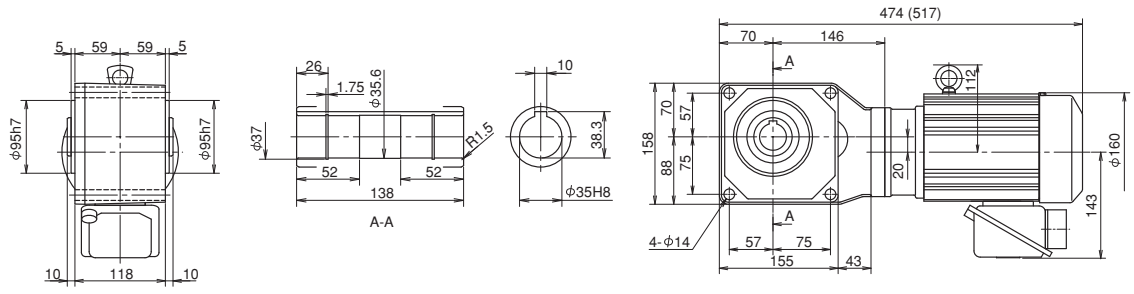
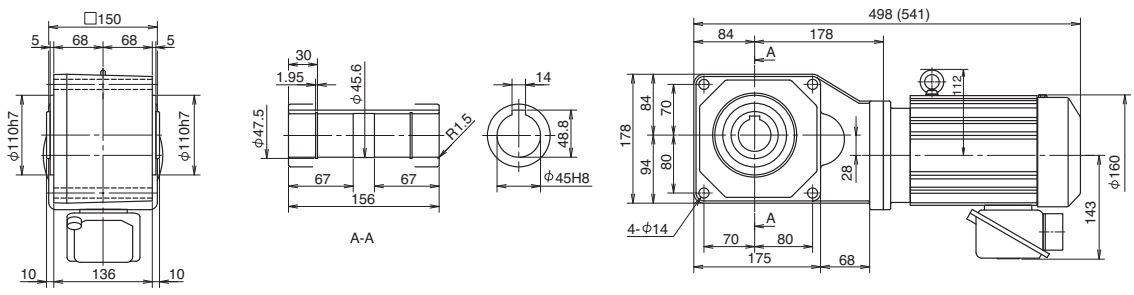


Fig. 3 RNYM1–1520–40~60 (RNYM1–1520–B–40~60) Mass 26kg (Mass 28kg)



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.

0.75kW 3-phase Motor

RNYM Series Hollow Shaft Type

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

Output speed n_2 r/min		Output Torque Tout Nm		Output Torque Tout kgf m		SF	Allowable Pro N		Allowable Pro kgf		Capacity Symbol – Frame Size – Reduction Ratio	Outline Drawing Fig.
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz		50Hz	60Hz	50Hz	60Hz		
18.1	21.9	336	279	34.3	28.4	1.07	6230	6130	635	625	1 — 1530 — 80	4
						2.05	6230	6130	635	625	1 — 1531 — 80	5
14.5	17.5	420	348	42.9	35.5	1.07	6230	6230	635	635	1 — 1530 — 100	4
						2.93	9810	9810	1000	1000	1 — 1630 — 100	6
12.1	14.6	504	418	51.4	42.6	1.07	6230	6230	635	635	1 — 1530 — 120	4
						2.93	9810	9810	1000	1000	1 — 1630 — 120	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.
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.

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

Fig. 4 RNYM1–1530–80~240 (RNYM1–1530–B–80~240) Mass 25kg (Mass 28kg)

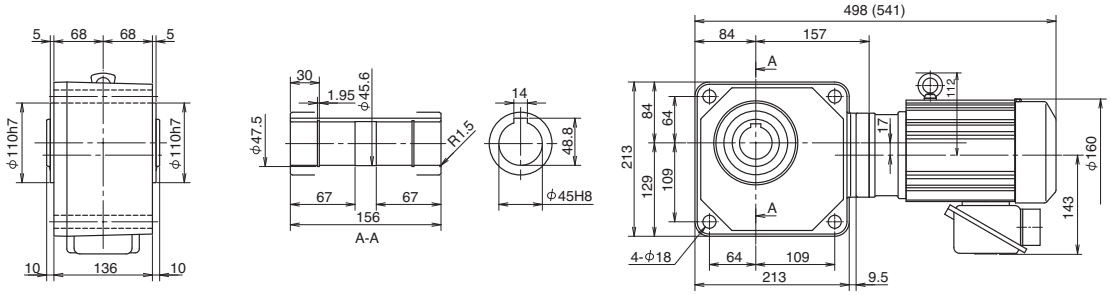


Fig. 5 RNYM1–1531–80 (RNYM1–1531–B–80) Mass 26kg (Mass 28kg)

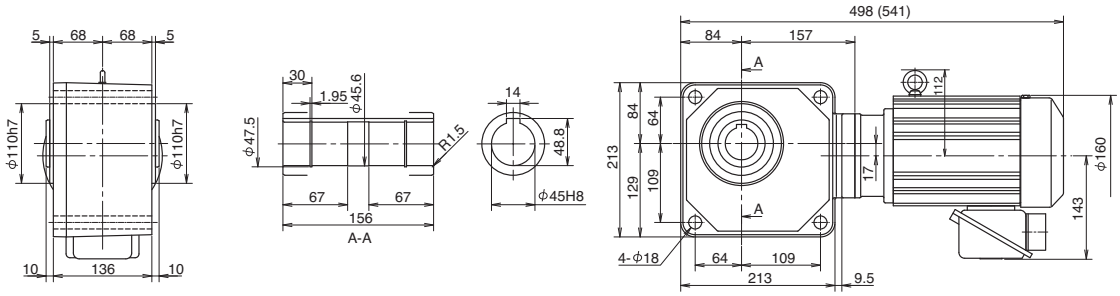
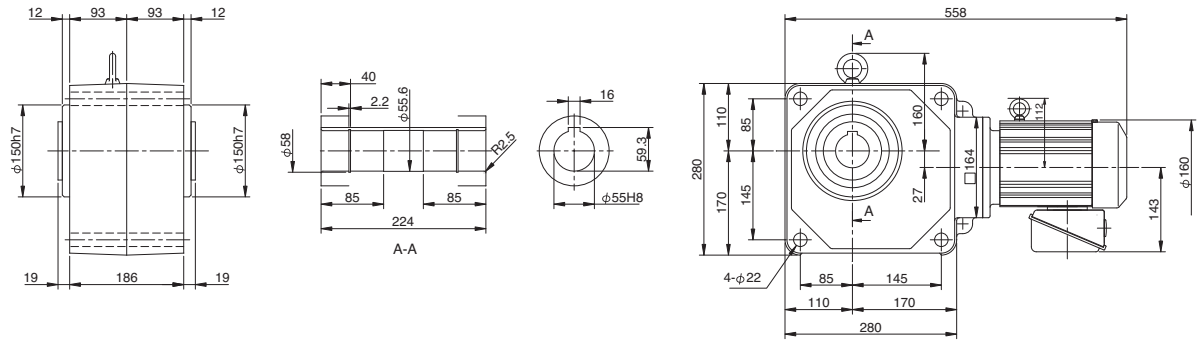


Fig. 6 RNYM1–1630–100~120 (RNYM1–1630–B–100~120) Mass 46kg (Mass 48kg)



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.

0.75kW 3-phase Motor

RNYM Series Hollow Shaft Type

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

Output speed n_2 r/min		Output Torque Tout Nm		Output Torque Tout kgf m		SF	Allowable Pro N		Allowable Pro kgf		Capacity Symbol – Frame Size – Reduction Ratio	Outline Drawing Fig.
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz		50Hz	60Hz	50Hz	60Hz		
9.67	11.7	631	522	64.3	53.3	1.07	6230	6230	635	635	1 — 1530 — 150	1
						2.35	9810	9810	1000	1000	1 — 1631 — 150	2
7.25	8.75	732	697	74.6	71.0	✻	6230	6230	635	635	1 — 1530 — 200	1
		841	697	85.7	71.0	1.76	9810	9810	1000	1000	1 — 1631 — 200	2
6.04	7.29	732	732	74.6	74.6	✻	6230	6230	635	635	1 — 1530 — 240	1
		1010	836	103	85.2	1.47	9810	9810	1000	1000	1 — 1631 — 240	2
4.83	5.83	1190	983	121	100	1.07	9810	9810	1000	1000	1 — 1640 — 300	3
4.03	4.86	1420	1180	145	120	1.04	9810	9810	1000	1000	1 — 1640 — 360	
3.02	3.65	1480	1480	151	151	✻	9810	9810	1000	1000	1 — 1640 — 480	
2.42	2.92	1480	1480	151	151	✻	9810	9810	1000	1000	1 — 1640 — 600	
2.01	2.43	1480	1480	151	151	✻	9810	9810	1000	1000	1 — 1640 — 720	
1.61	1.94	1480	1480	151	151	✻	9810	9810	1000	1000	1 — 1640 — 900	
1.21	1.46	1480	1480	151	151	✻	9810	9810	1000	1000	1 — 1640 — 1200	
1.01	1.22	1480	1480	151	151	✻	9810	9810	1000	1000	1 — 1640 — 1440	

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.

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

Fig. 1 RNYM1–1530–150~240 (RNYM1–1530–B–150~240) Mass 25kg (Mass 28kg)

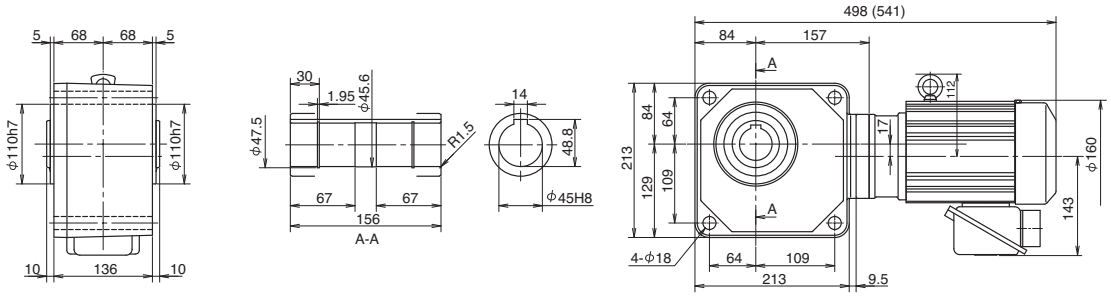


Fig. 2 RNYM1–1631–150~240 (RNYM1–1631–B–150~240) Mass 46kg (Mass 48kg)

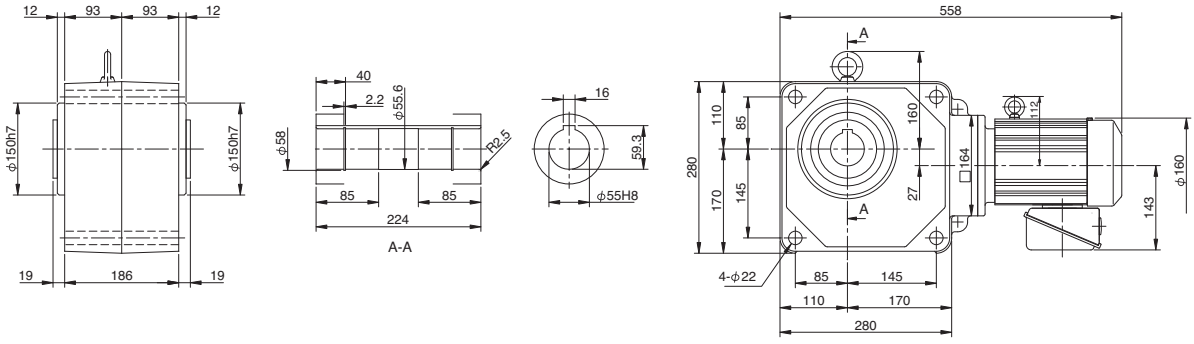
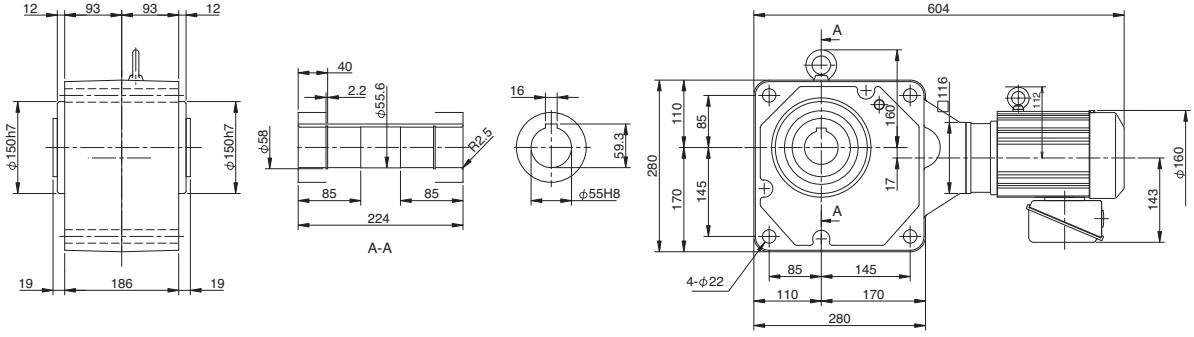


Fig. 3 RNYM1–1640–300~1440 (RNYM1–1640–B–300~1440) Mass 68kg (Mass 70kg)



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.