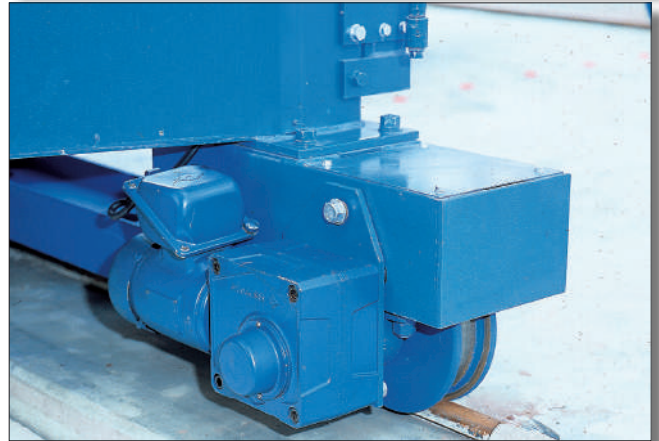


Right angle HYPONIC Drive® allows compact designs

Conveyor lines in breweries



Driving trucks

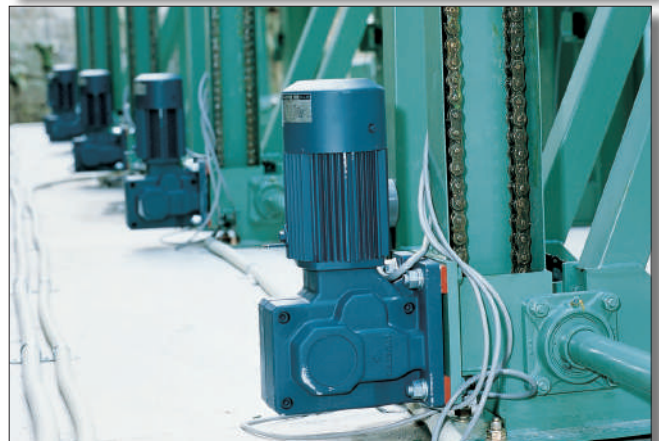


**Direct installation using hollow shaft type (with torque arm).
No requirement for sprockets, chains and other coupling equipment.**

Crushers

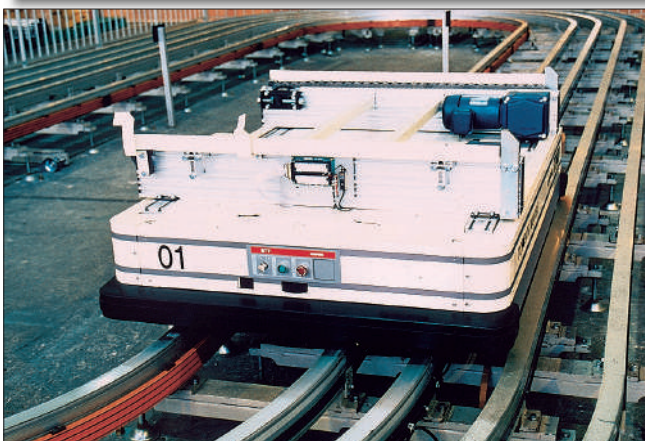


Dehydrator

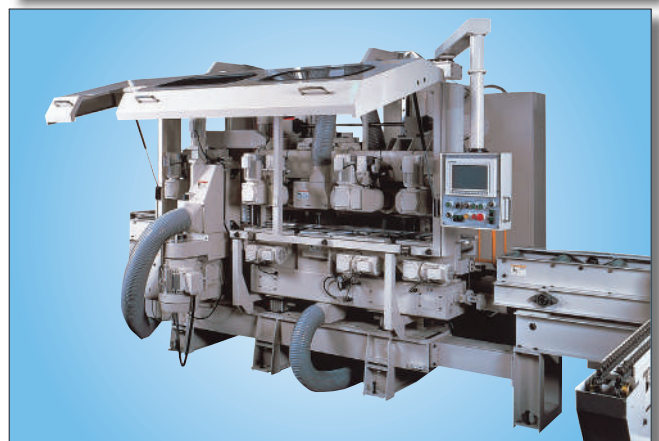


Easy installation by using through bolts directly into the casing.

Auto-guided vehicle



Wood shaving machine



Direct installation with solid shaft flanges.

Sumitomo Drive Technologies
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HYPONIC DRIVE GEAR MOTOR
RNYM Hollow Shaft type

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HYPONIC DRIVE

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100 years of the Cyclo® gear
CYCLO 1921 - 2021

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LET'S SUMITOMO GEAR MOTOR

Hollow Shaft

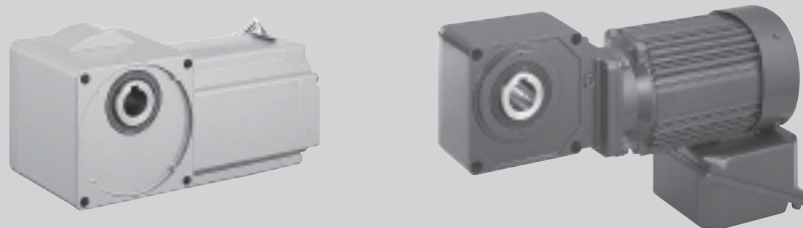
3-phase

Single-phase

Motors for Inverters

HYPONIC Drive®

Hollow Shaft



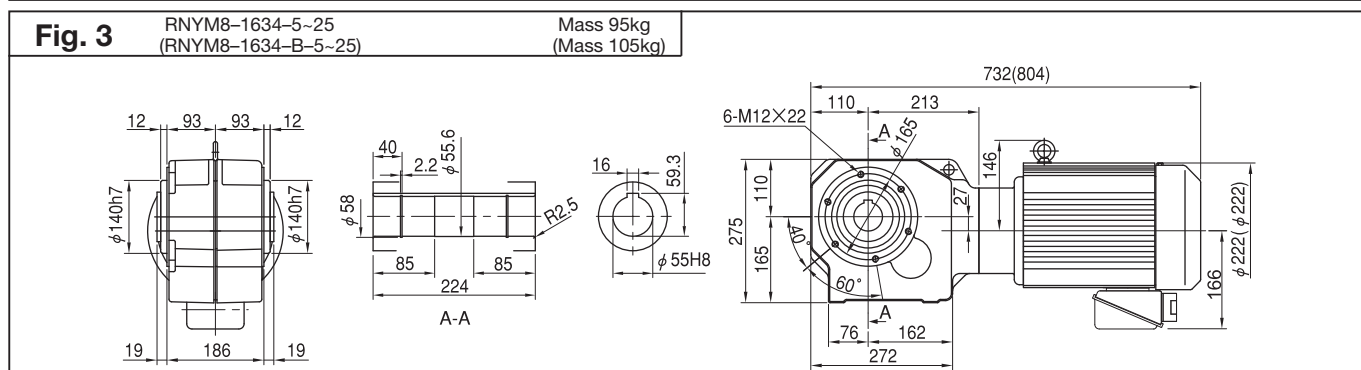
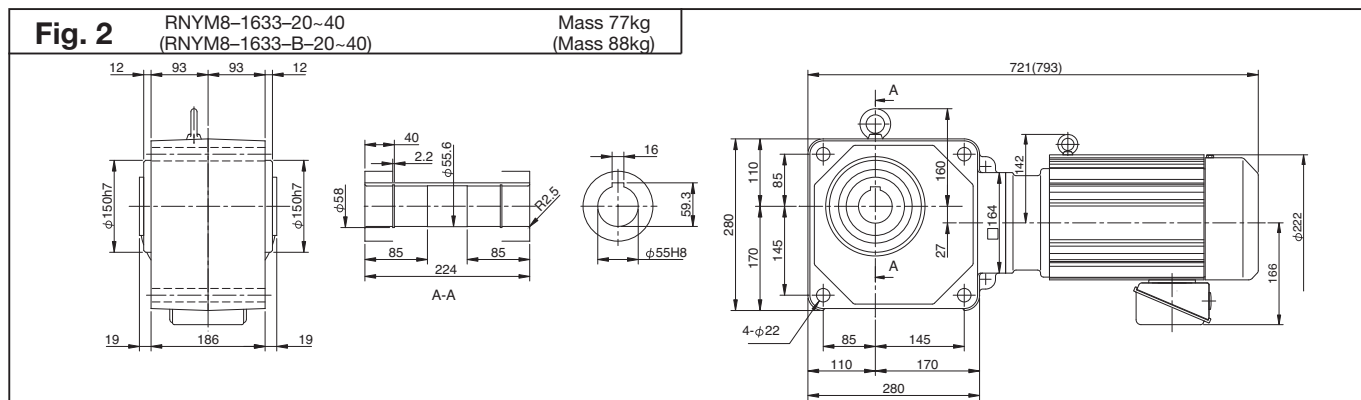
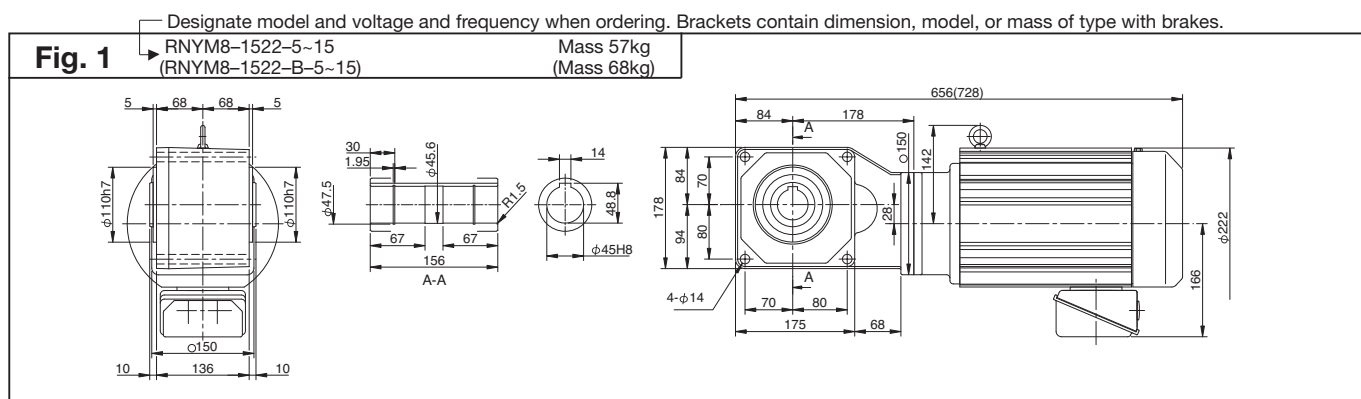
RNYM Series Hollow Shaft Type

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				
290	350	154	128	15.7	13.0	1.00	3140	2940	320	300	8 — 1522	— 5	1	
						2.00	5000	4760	510	485	8 — 1634	— 5	3	
207	250	216	179	22.0	18.2	1.00	3530	3330	360	340	8 — 1522	— 7	1	
						2.00	5590	5250	570	535	8 — 1634	— 7	3	
145	175	308	255	31.4	26.0	1.00	3920	3730	400	380	8 — 1522	— 10	1	
						2.00	6230	5930	635	605	8 — 1634	— 10	3	
121	146	370	307	37.7	31.3	1.00	4120	3970	420	405	8 — 1522	— 12	1	
						2.00	6620	6330	675	645	8 — 1634	— 12	3	
96.7	117	462	383	47.2	39.1	1.00	4410	4220	450	430	8 — 1522	— 15	1	
						2.00	6960	6670	710	680	8 — 1634	— 15	3	
72.5	87.5	617	511	62.9	52.1	1.00	7700	7350	785	750	8 — 1633	— 20	2	
						2.00					8 — 1630	— 20	3	
58.0	70.0	771	639	78.6	65.1	1.00	8090	7750	825	790	8 — 1633	— 25	2	
						1.92					8 — 1630	— 25	3	
48.3	58.3	925	766	94.3	78.1	1.00	8380	8090	855	825	8 — 1633	— 30	2	
36.3	43.8	1230	1020	126	104	1.00	8830	8480	900	865	8 — 1633	— 40	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.



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.

7.5kW 3-phase Motor



7.5
kW

RNYM Series Hollow Shaft Type

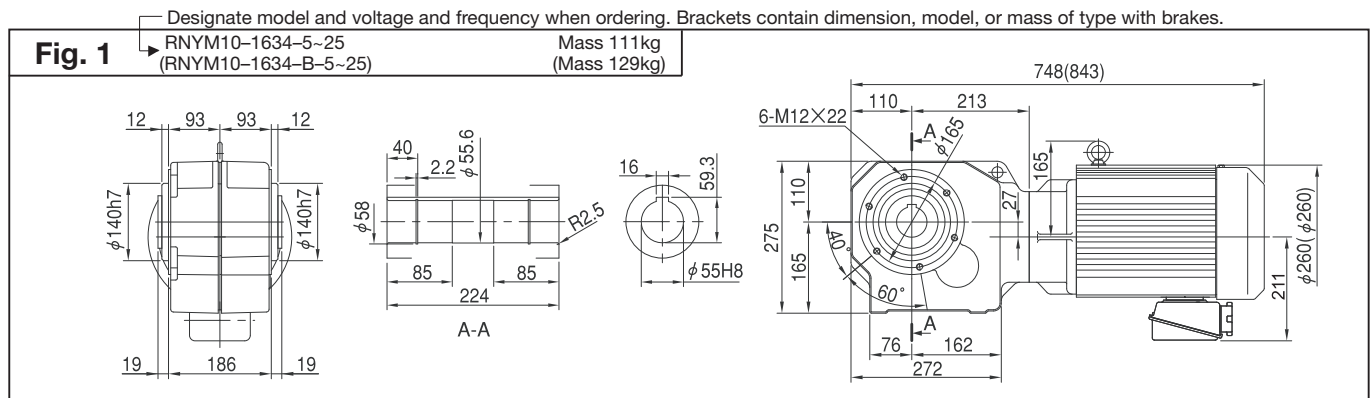
Motor Speed n ₁	50Hz	1450r/min
60Hz	1750r/min	

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	210	174	21.4	17.8	1.47	5000	4760	510	485	10	–	1634(-B)	–	5	1
207	250	294	244	30.0	24.9	1.47	5590	5250	570	535	10	–	1634(-B)	–	7	
145	175	420	348	42.9	35.5	1.47	6230	5930	635	605	10	–	1634(-B)	–	10	
121	146	504	418	51.4	42.6	1.47	6620	6330	675	645	10	–	1634(-B)	–	12	
96.7	117	631	522	64.3	53.3	1.47	6960	6670	710	680	10	–	1634(-B)	–	15	
72.5	87.5	841	697	85.7	71.0	1.47	7700	7350	785	750	10	–	1634(-B)	–	20	
58.0	70.0	1050	871	107	88.8	1.41	8090	7750	825	790	10	–	1634(-B)	–	25	

- Notes: 1. Output shaft speed is the representative value when motor speed is: 1450r/min at 50Hz and 1750r/min at 60Hz. Refer to Technical Data for details.
2. Allowable radial load of output shaft is the value 20mm from the end of the output shaft.
3. Figure inside the bracket () shows the nomenclature for unit with brake.

Hollow Shaft

3-phase



- Notes: 1. Output shaft diameter: Dimension tolerance conforms to JIS B 0401-1976 "H8."
2. Shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."
3. Dimension and mass shown in the above drawings are subject to change without prior notice.
4. Safety cover is attached to the output shaft part in this product. Refer to Technical data for detailed dimensions of the safety cover.



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	15	–	1634(-B)	–	5	1
290	350	308	255	31.4	26.0	1.00	5000	4760	510	485	15	–	1634(-B)	–	7	
207	250	432	358	44.0	36.5	1.00	5590	5250	570	535	15	–	1634(-B)	–	10	
145	175	617	511	62.9	52.1	1.00	6230	5930	635	605	15	–	1634(-B)	–	12	
121	146	740	613	75.4	62.5	1.00	6620	6330	675	645	15	–	1634(-B)	–	15	
96.7	117	925	766	94.3	78.1	1.00	6960	6670	710	680	15	–	1634(-B)	–	20	
72.5	87.5	1230	1020	126	104	1.00	7700	7350	785	750	15	–	1634(-B)	–		

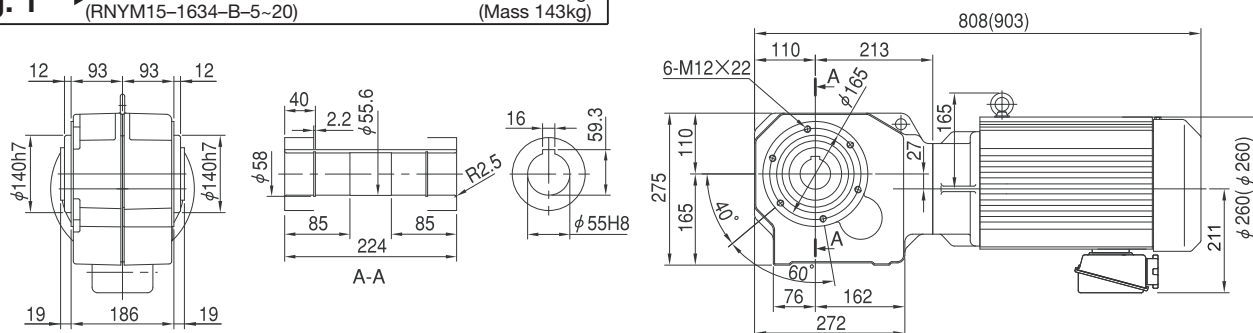
- Notes: 1. Output shaft speed is the representative value when motor speed is: 1450r/min at 50Hz and 1750r/min at 60Hz. Refer to Technical Data for details.
2. Allowable radial load of output shaft is the value 20mm from the end of the output shaft.
3. Figure inside the bracket () shows the nomenclature for unit with brake.

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

Fig. 1

▶ RNYM15-1634-5~20
(RNYM15-1634-B-5~20)

Mass 125kg
(Mass 143kg)



- Notes: 1. Output shaft diameter: Dimension tolerance conforms to JIS B 0401-1976 "H8."
2. Shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."
3. Dimension and mass shown in the above drawings are subject to change without prior notice.
4. Safety cover is attached to the output shaft part in this product. Refer to Technical data for detailed dimensions of the safety cover.



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HYPONIC DRIVE GEAR MOTOR RNYM Hollow Shaft type








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