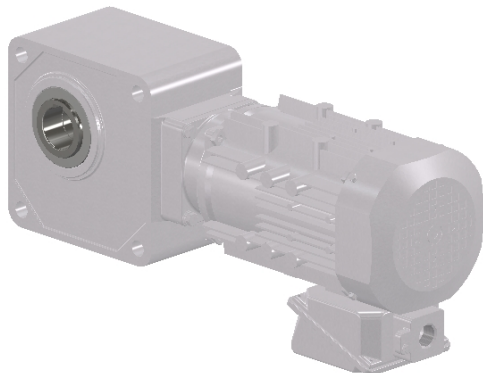


Product Configuration Technical Specification Sheet

Hyponic®



Basic Product Information	
Model Number	RNYM1H-1531A-EP-80
Hyponic Frame Size	1531
Housing Style	(Y) Hollow Shaft
Output Shaft Orientation	(N) Universal
Output Shaft	Keyed Hollow Bore: Ø 45 mm
Input Configuration	(M) Integral Gearmotor

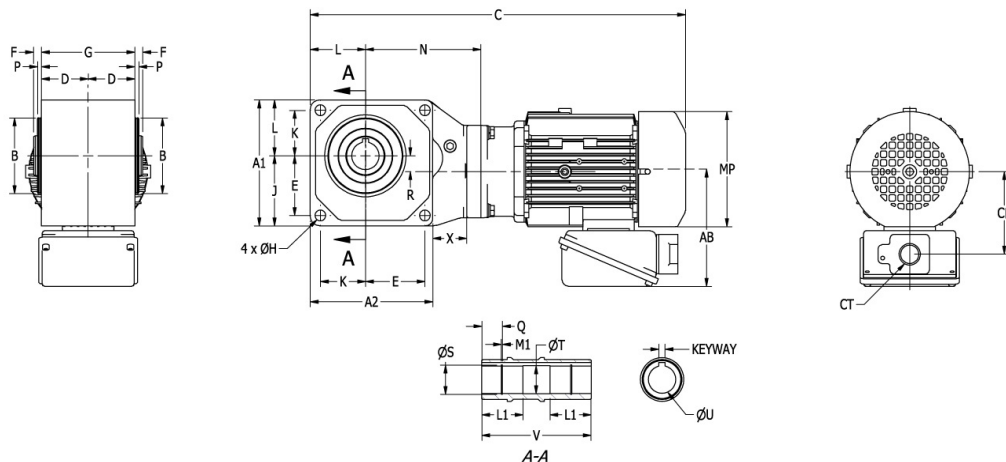
Configuration Rating Information	
Nominal Ratio	80
Input / Output RPM	1750 / 21.9

NOTE: Information displayed on this technical specification sheet will vary, as it is based upon your actual selections. Please see next page for more configuration specific information.

Dimensions shown are for reference only and are subject to change without notice, unless certified. Certified prints are available after receipt of an order; consult factory for more information. Image shown is representative and may not reflect actual unit and/or orientation.

Quiet, Compact and Maintenance-Free

All-steel hypoid gear design transmits torque more efficiently for more torque density in a compact unit



Units: mm Approx. Weight 36 kg

Casing	A1	A2	B	B TOL	D	E	F	G	H	J	K	L	N	P	R	X
	213	213	110.00	0 / -0.035	68	109	10	136	18	129	64	84	157	5	17	10
Keyed Hollow Bore	U	U TOL		V	S	L1	Q	M1	T	KEYWAY						
	45.00	+0.039 / +0.014		156	48	67	30.00	1.95	46	14						
Integral Motor	AB		C	MP		CP		CT								
	156		567	□167		116		NPT 3/4								

Product Configuration Technical Specification Sheet

Input Configuration	
Input Stage Frame Size	GN131A (30E) - Size 30, Hypoid Ratio 5:1
Gearmotor	
Motor Series	EPNA Prem. Eff. UL/CSA
Motor Frame / Type	N-90S / TEFC
HP x Pole Rating	(1H) 1.5HP [1.1kW] 4P
Motor Voltage Rating	230/460V, 60Hz, 3Phase
Conduit Box Type	Global Type
Inlet Size	NPT 3/4
C. Box / Port Direction	N36 / N3B
Add Brake	No
Motor Canopy	Not Selected
Space Heater	Not Selected
Thermostat	Not Selected
Terminal Block	Not Selected
UKCA Mark on Motor	Not Selected

Lubrication Specifications	
Selected Lubrication	Standard Lubrication
Lubrication Method	Grease
Lubrication Option	Standard Grease

Environmental Specifications	
Installation Location	Indoor
Ambient Temperature	14° - 104°F (-10° - 40°C)
Ambient Humidity	Under 90%
Environment	Standard
Food Grade Required	No
Elevation Above Sea Level	Under 3300 ft/1000 m

Product Ratings	
Application or Motor Input Power	1.12 kW
Service Factor	1.38
Calculated Output Torque	415 N-m
Rated Input RPM	1750
Rated Output RPM	21.9
Product Rated Input Power	1.54 kW
Product Rated Output Torque	571 N-m
Product Overhung Load Capacity	6130 N
Actual Reduction Ratio	$45/9 \times 55/14 \times 67/17 = 77.4160$

Reducer Options	
Safety Cover	Included
SHIELD 360° Package	Not Selected
Chemical Duty	Not Selected
Food & Washdown Options	Options Not Selected
Seal Options	Standard Seal
Paint Specification	Silver Powder Coat
Clear Top Coat	Not Available
Hardware Option	Options Not Selected
Stainless Steel Nameplate	Not Selected
Metal Tag Nameplate	Not Selected
Export Packaging	No
Long Term Storage	No
Extended Warranty	Consult Factory

Configuration Messages	
<u>Recommended Driven Shaft Tolerance - Keyed Hollow Bore</u> Recommended dimensional tolerance of the driven shaft is as follows: For uniform load - ISO/JIS/DIN h6 or js6 For shock load, or significant radial load - ISO/JIS/DIN js6 or k6	

All Configuration data contained within this technical specification sheet is subject to change. Please refer to Sumitomo Drive Technologies' Terms and Conditions located at smcyclo.com for further information. For more specific product and/or application data, please contact your Sumitomo Drive Technologies' Representative.

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Thank you for your interest in Sumitomo products.