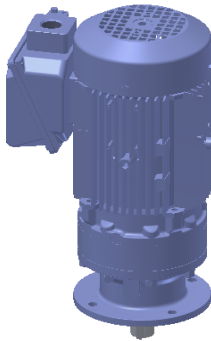


Product Configuration Technical Specification Sheet

Cyclo® 6000



Unmatched Reliability, Exceptional Performance

Cyclo® speed reducers and gearmotors are designed to withstand shock loads exceeding 500% of their ratings

Basic Cyclo Product Information

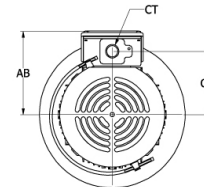
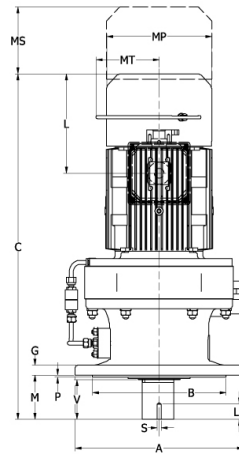
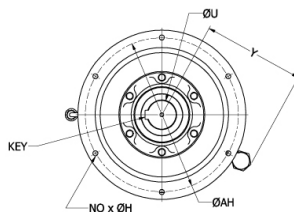
Model	CNVMS1H-6100YC-21
Cyclo® Frame Size	6100
Housing Style	(V) V-Flange Mount
Output Shaft Orientation	(V) Vertical Down
Input Configuration	(M) Integral Motor
Shaft Specification	(Y) Standard Inch Size

Configuration Rating Information

Actual Ratio	21
Input RPM	1750

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.



Units: inch Approximate Weight: 51 lb

V-Casing	A	B	B TOL.	C	G	H	NO.	M	O	P	AH	X	Y
	6.3	4.3307	-0.0014 / -0.0035	16.77	0.35	0.43	4	1.89	4.21	0.12	5.28	-	-
Output Shaft	U	U TOL.	V	S		L1	KEY						
	1.125	0 / -0.0005	1.38	5/16-18UNC		0.79	1/4 x 1/4 x 1.18						
Integral Motor	AB	L	MP	MS	MT								
	5.86	3.94	6.3	-	-								

Product Configuration Technical Specification Sheet

Input Configuration	
Input Stage Frame Size	610 Flange
Gearmotor	
Motor Series	Standard US / Mexico
Motor Frame Size / Motor Type	V-90S / TEFC
HP x Pole Rating	(1H) 1.5HP [1.1kW] 4P
Motor Voltage Rating	230/460V, 60Hz, 3Phase
Conduit Box / Port Orientation	N33 / N3B
Add Brake	No
Canopy	Not Selected
Space Heater	Not Selected
Thermostat	Not Selected

Lubrication Specifications	
Selected Lubrication	Standard Lubrication
Lubrication Method	Maintenance Free 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	1.48 HP
Service Factor	1.75
Calculated Output Torque	1060 in-lbs
Rated Input RPM	1750
Rated Output RPM	83.3
Product Rated Input Power	2.58 HP
Product Rated Output Torque	1860 in-lbs
Product Overhung Load Capacity	1210 lbf

Reducer Options	
SHIELD 360° Package	Not Selected
Mill Duty	Not Available (6060-6125)
Chemical Duty	Option Not Selected
Dusty, Weather Proof IP54	Standard
Food & Washdown Options	None Selected
Ductile Iron Housing	Not Available (6060-6125)
High Capacity Bearing	Not Available (6060-6125)
Shoulder Bolts / Dowel Pins	Option Not Selected
Seal Options	Nitrile Seal
Double Output Oil Seals	Not Available (6060-6125)
Paint Specification	FDA White Epoxy
Clear Top Coat	Not Selected
Hardware Option	Options Not Selected
Stainless Steel Nameplate	Selected
Metal Tag Nameplate	Not Selected
Export Packaging	No
Long Term Storage	No
Extended Warranty	Consult Factory

Configuration Messages
<u>Output Shaft Overhung Load (OHL) Capacity</u> The Output Shaft OHL Capacity needs to be checked if Output Shaft is not direct coupled to the application. Using the Product Overhung Load Capacity value from the Selection, please check it against the actual OHL using the method described in the Catalog. If Cyclo unit will see significant vibration from the application and the Cyclo output shaft will not be direct coupled to the application, please consult the Factory for additional guidelines on Service Factor adjustment.

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.

To request a catalog or for more information on any of our high quality products, please visit our website: www.sumitomodrive.com.

Thank you for your interest in Sumitomo products.