

System ID:	<input type="text"/>
Customer / OEM:	<input type="text"/>
Date:	<input type="text"/>
Application Notes:	<input type="text"/>

Encoder Details

Setup Parameter	Value	Units	Notes
(load/follow) enc per mtr		---	electrical encoder cycles per mechanical motor revolution i.e., $enc\ per\ mtr = \frac{encoder\ poles}{2}$
(load/follow) xfmr ratio		---	feedback transformer ratio. for module 327157 transformer ratio must be 0.286
(load/follow) excit amp		Volts rms	reference signal excitation amplitude
(load/follow) excit freq		Hertz	reference signal frequency

* = optional

Motor Details

Setup Parameter	Value	Units	Notes
motor rated current		Amps rms	motor continuous rated current
*current limit		Amps rms	motor maximum current (instantaneous peak)
motor rated voltage		Volts	
*motor rtd power		kW	motor rated power
motor rated frequency		Hertz	The motor rated frequency should be <i>nearly</i> equal to $\frac{idq\ tb\ min\ vel\ x\ motor\ poles}{120}$
motor poles		Poles	Pole Pairs
base velocity		rpm	velocity at motor rated frequency
max velocity		rpm	motor maximum velocity (mechanical limit)
*stator resistance		Ohms	



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IPM Motor Setup Parameter Questionnaire

Revision 004

Setup Parameter	Value	Units	Notes
*leakage sigma Ls		Henries	
*magnet flux		wb pk	
*reluctance flux		wb pk	
*vector offset		deg	

* = optional