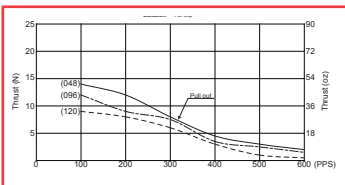


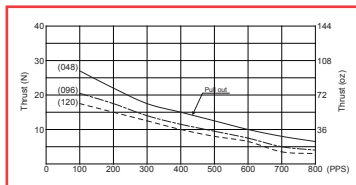
PFCL25-24														
Type Of Winding	Unipolar							Bipolar						
Steps Per Revolution*	24													
Thread Pitch	mm	0.48	0.96	1.2	0.48	0.96	1.2	0.48	0.96	1.2	0.48	0.96	1.2	
Travel/Step	mm	0.02	0.04	0.05	0.02	0.04	0.05	0.02	0.04	0.05	0.02	0.04	0.05	
Effective Stroke	mm	30 or 60												
Force @ 200pps	N	11	9.5	8	11	9.5	8	16	14	11	16	14	11	
Rated Voltage	V	12			5				12			5		
Rated Current	A/Ø	0.10			0.31				0.10			0.33		
Resistance	ohm/Ø	120 ±7%			16 ±7%				122 ±7%			15 ±7%		
Inductance	mH/Ø	26.4			3.6				58			6.9		
Operating Temp. Range	°C	-10 to +50												
Temperature Rise*	°K	70												
Weight	g	60												

PFCL25-48														
Type Of Winding	Unipolar							Bipolar						
Steps Per Revolution	48													
Thread Pitch	mm	0.48	0.96	1.2	0.48	0.96	1.2	0.48	0.96	1.2	0.48	0.96	1.2	
Travel/Step	mm	0.01	0.02	0.025	0.01	0.02	0.025	0.01	0.02	0.025	0.01	0.02	0.025	
Effective Stroke	mm	30 or 60												
Force @ 200 pps	N	22	17.5	15	22	17.5	15	31	22.5	20.5	31	22.5	20.5	
Rated Voltage	V	12			5				12			5		
Rated Current	A/Ø	0.10			0.31				0.10			0.33		
Resistance Tolerance	ohm/Ø	120 ±7%			16 ±7%				122 ±7%			15 ±7%		
Inductance	mH/Ø	32			4.4				71			8.5		
Operating Temp. Range	°C	-10 to +50												
Temperature Rise	°K	70												
Weight	g	60												

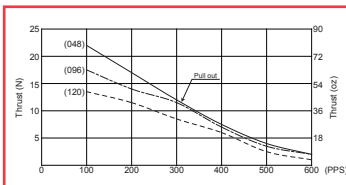
**PFCL-24x4**  
Unipolar Constant Voltage Drive



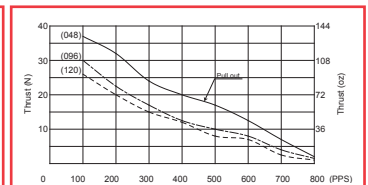
**PFCL25-48x4**  
Unipolar Constant Voltage Drive



**PFCL25-24x4**  
Bipolar Constant Voltage Drive



**PFCL25-48x4**  
Bipolar Constant Voltage Drive



\* - All tin-can motor specifications are based on full-step constant voltage operation  
Magnet type: Anisotropic  
Note: Torque curves are for reference only and are not guaranteed.