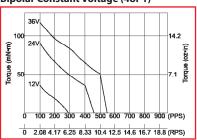


Specifications

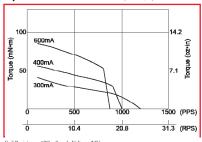
Specification	Unit	PFC42H-48					
Type of Winding		Unipolar		Bipolar			
Excitation Mode*		Full step (2-2)					
Step Angle	0	7.5 ±5%					
Steps Per Revolution*		48					
Rated Voltage	V	12	5	12	5		
Resistance	Ω	70	12	70	12		
Inductance	mH	39	6.6	80	13		
Holding Torque	mN·m	50	50	70	70		
Rotor Inertia	kg·m²	27 x 10 ⁻⁷					
Starting Pulse Rate*	pps	290					
Slewing Pulse Rate*	pps	320					
Operating Temp. Range	°C	-30 to +80					
Temperature Rise*	°C	55					
Weight	g	160					

Torque Curve (pull-out torque)*

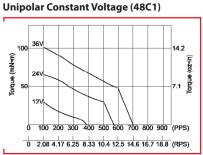
Bipolar Constant Voltage (48P1)

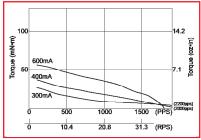


Bipolar Constant Current (48Q1)



Unipolar Constant Current (48D1)





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.

Dimensions of Geared Model

PFC42H w/H Gear Head

j L 2.2

<u>, 4</u>	AWG26				Demensions in mm						
Gear Ratio	6/25	1/5	3/25	1/10	2/25	1/15	3/50	1/20	1/25		
Ordinary Torque		200mN·m				250mN·m					
Destruction Torque	600mN·m				750mN·m						

Gear Ratio	1/30	1/50	1/60	2/125	1/75			
Ordinary Torque	300mN·m							
Destruction Torque	900mN·m							

Gear Ratio	1/100	1/120	1/125	1/150	1/200	1/250	1/300	
Ordinary Torque	400mN·m							
Destruction Torque	ue 1200mN·m							