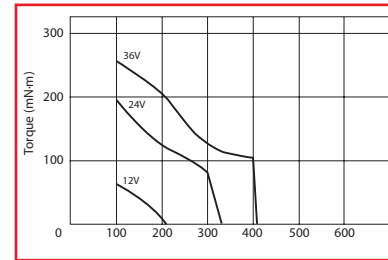


Specifications

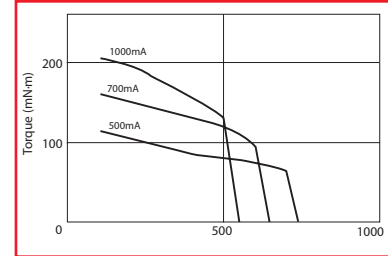
Specification	Unit	PFC55H-48			
Type of Winding		Unipolar		Bipolar	
Excitation Mode*		Full step (2-2)			
Step Angle	°	7.5 ±5%			
Steps Per Revolution*		48			
Winding		C	D	P	Q
Rated Voltage	V	12	5	12	5
Resistance	Ω	36	5	36	5
Inductance	mH	30	4.4	65	9.3
Holding Torque	mN·m	150	150	180	180
Rotor Inertia	kg·m ²	97 × 10 ⁻⁷			
Starting Pulse Rate*	pps	210			
Slewing Pulse Rate*	pps	230			
Operating Temp. Range	°C	-10 to +50			
Temperature Rise*	°C	55			
Weight	g	300			

Torque Curve (pull-out torque)* Bipolar Constant Voltage (48011)



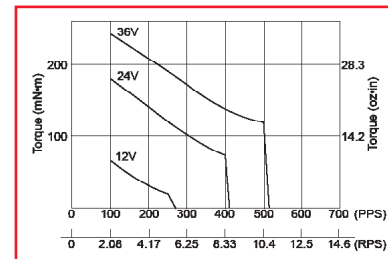
Coil Resistance: 40Ω

Bipolar Constant Current (48S1)



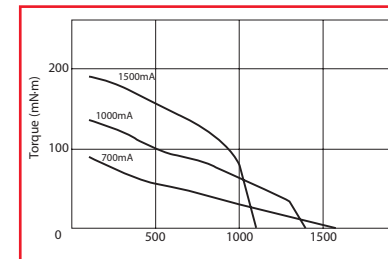
Coil Resistance: 8Ω Supply Voltage: 24V

Unipolar Constant Voltage (48C1)



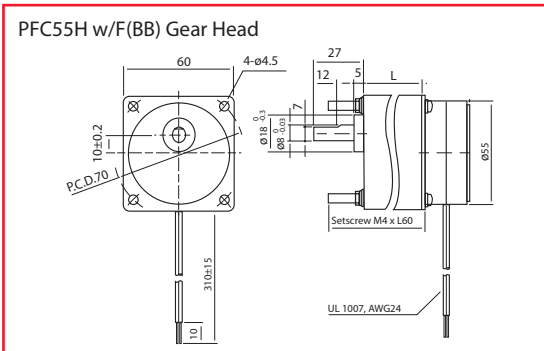
Coil Resistance: 36Ω

Unipolar Constant Current (48D1)



Coil Resistance: 5Ω Supply Voltage: 24V

Dimensions of Geared Model



Gear Ratio	1/3	1/5	2/15	1/10	2/25	1/15	1/20
Ordinary Gear Strength	400mN·m			500mN·m		600mN·m	800mN·m
Destruction Gear Strength	1200mN·m			1500mN·m		1800mN·m	2400mN·m

Gear Ratio	1/25	1/30	1/50	1/60
Ordinary Gear Strength	900mN·m	1100mN·m	1600mN·m	
Destruction Gear Strength	2700mN·m	3300mN·m	4800mN·m	

Reduction Ratio	L
1/3 to 1/15	32
1/20 to 1/180	42

Gear Ratio	1/75	1/100	1/125	1/150	1/180
Ordinary Gear Strength			2500mN·m		
Destruction Gear Strength			7500mN·m		

All tin-can motor specifications are based on full-step constant voltage operation
Magnet type: Anisotropic

*Torque curves are for reference only and are not guaranteed