

PM570FE DC Motor Driven Roller

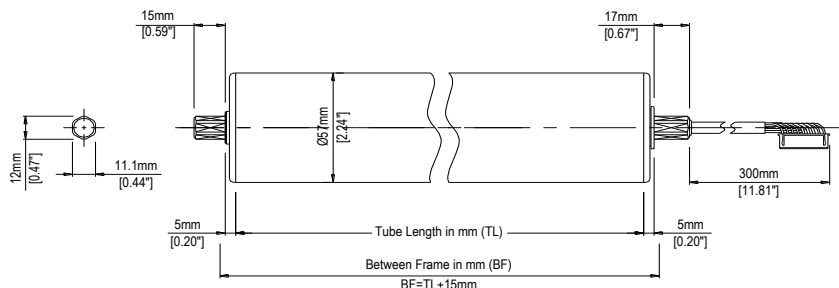


Diameter: 2.24" (57.0mm)
Voltage: 24V DC

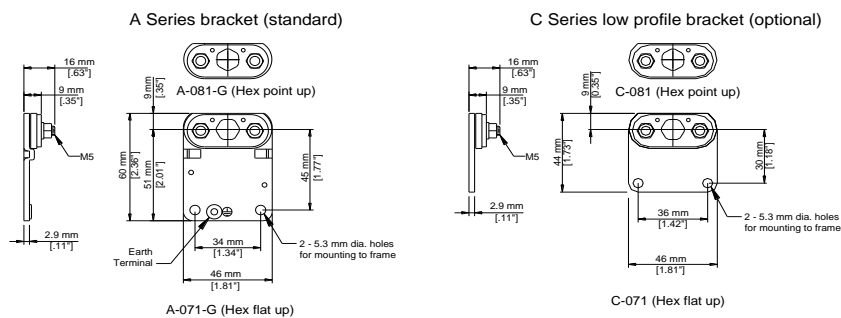
Features

- Brushless DC motor provides long life
- ABEC 1 Bearings
- DOM, zinc plated, carbon steel tube
- One shaft mounting
- 7/16" Hex (plain) shafts standard
- Dynamic brake

Dimensions



Mounting Brackets



Operation

- Cycle: 1s ON; 1s OFF
- Continuous or Intermittent duty
- Do Not Exceed 150% of No-Load Speed

Protection

- Thermal overload 221°F (105°C) in the motor when used with an Itoh Denki controller

Environment

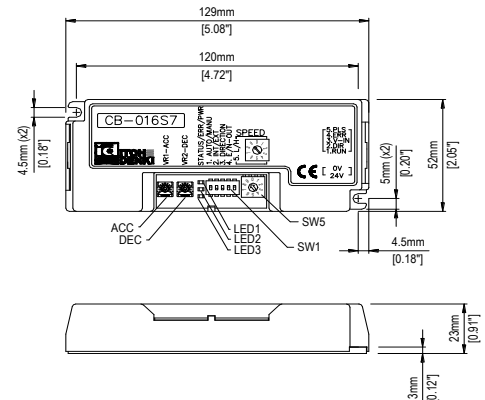
- Ambient Temperature 32~104° F (0~40°C)
- < 90% Relative Humidity (No condensation)
- No Corrosive Gases
- Vibration < 0.5G

PM570FE Performance Data



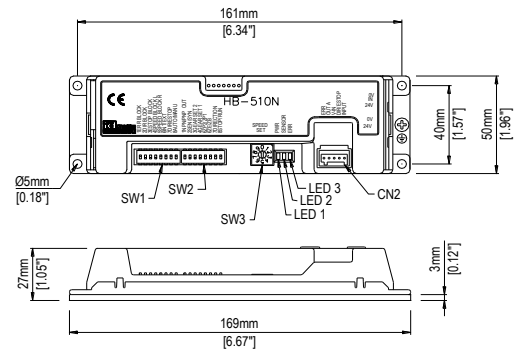
CB-016S7 20 speed settings								
Gear Stage	Speed Code	No-load (FPM)		Tangential Force (lb) Starting	Torque (lb-in) Starting	Current (A)		
		SW1-5 on SW5 9 High	SW1-5 off SW5 0 Low			At highest speed		
		Starting	Starting			Starting	No-Load	Rated
3	5	28.1	8.6	81.0	90.8	3.6	0.3	1.6
	8	40.0	8.6	84.0	94.2	4.0	0.4	2.1
	10	52.4	8.6	81.0	90.8	4.0	0.5	2.4
	17	64.9	8.6	66.0	74.0	4.0	0.8	2.8
2	20	100.0	30.6	25.8	29.0	3.6	0.3	1.6
	30	142.4	30.6	26.9	30.1	4.0	0.4	2.1
	45	186.6	30.6	25.8	29.0	4.0	0.5	2.4
1	60	230.8	30.6	21.1	23.7	4.0	0.8	2.8
	70	355.6	109.0	8.3	9.3	3.6	0.3	1.6
	100	506.1	109.0	8.6	9.6	4.0	0.4	2.1
	140	663.4	109.0	8.3	9.3	4.0	0.5	2.4
	210	820.6	109.0	6.7	7.6	4.0	0.8	2.8

CB-016S7



HB-510N 10 speed settings								
Gear Stage	Speed Code	No-load (FPM)		Tangential Force (lb) Starting	Torque (lb-in) Starting	Current (A)		
		SW1-5 on SW5 9 High	SW1-5 off SW5 0 Low			At highest speed		
		Starting	Starting			Starting	No-Load	Rated
3	5	28.1	16.2	81.0	90.8	3.6	0.3	1.4
	8	40.0	16.2	84.0	94.2	4.0	0.4	1.8
	10	52.4	16.2	81.0	90.8	4.0	0.5	2.2
	17	64.9	16.2	66.0	74.0	4.0	0.8	2.6
2	20	100.0	57.7	25.8	29.0	3.6	0.3	1.4
	30	142.4	57.7	26.9	30.1	4.0	0.4	1.8
	45	186.6	57.7	25.8	29.0	4.0	0.5	2.2
1	60	230.8	57.7	21.1	23.7	4.0	0.8	2.6
	70	355.6	205.0	8.3	9.3	3.6	0.3	1.4
	100	506.1	205.0	8.6	9.6	4.0	0.4	1.8
	140	663.4	205.0	8.3	9.3	4.0	0.5	2.2
	210	820.6	205.0	6.7	7.6	4.0	0.8	2.6

HB-510N



Performance data with other cards available upon request.

Minimum Tube Lengths and Options



Without spring loaded shaft
With spring loaded shaft

Non Grooved Tube	Gear Stages		
	1	2	3
	252mm (9.92")	276mm (10.86")	300mm (11.81")



Lagging
Wide range of rubber lagging available



WA Waterproof IP-65	Gear Stages		
	1	2	3
	235mm (9.25")	259mm (10.20")	282mm (11.10")

*WT Spring loaded shaft option for WA waterproof

WT Spring loaded shaft option for WA waterproof	Gear Stages		
	1	2	3
	252mm (9.92")	276mm (10.86")	300mm (11.81")

*Waterproof option does not include spring loaded shaft, add WT to model number to receive spring loaded shaft

Check with your Itoh Denki representative for WA speeds available

P2 Double Groove Tube (65/30)	Gear Stages		
	1	2	3
	305mm (12.00")	329mm (12.95")	350mm (13.78")



BR Brake and Double Groove (65/30)	Gear Stages		
	1	2	3
	370mm (14.57")	394mm (15.51")	415mm (16.34")



VP V-Belt pulley end cap	Gear Stages		
	1	2	3
	252mm (9.92")	276mm (10.86")	300mm (11.81")

VP - Between Frame -35mm = Tube length