

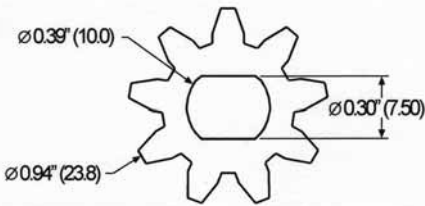
# 214 Series Motor

## 214-1001

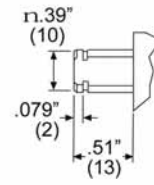
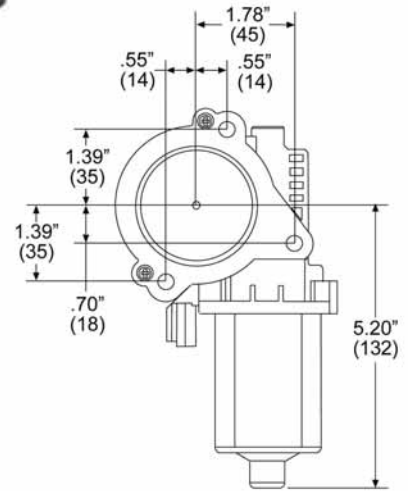
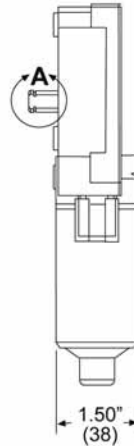
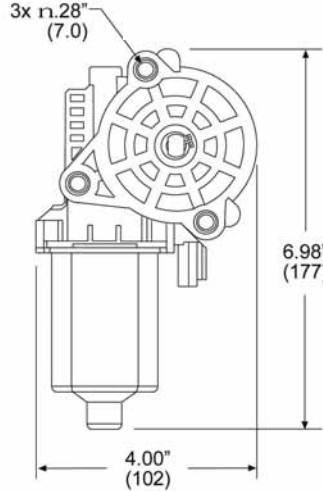
- 14Nm stall torque actuator motor. RH Housing. LH Housing is available.
- 12V reversible.
- Water resistant.
- For use with sprockets and drives.
- Weighs 1.6 pounds.
- Nine (9) tooth pinion available.
- Wire harness pigtail part number 310-1059 available.



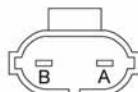
### Motor Pinion



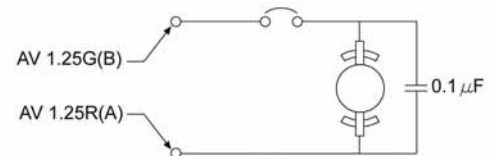
- Powdered Metal
- 9 Tooth
- 10 mm Thick
- 10 mm Double D



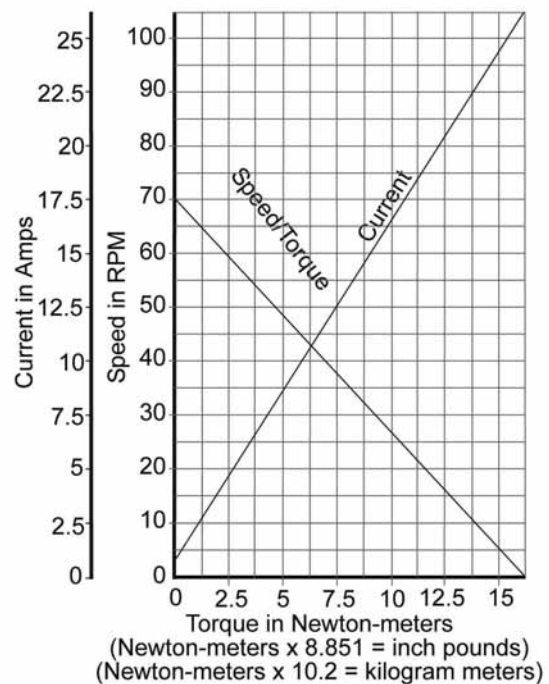
DETAIL A



Mate terminal: 317-1044  
 Wire seal: 317-1046  
 Mate terminal housing: 317-1058  
 Wire retainer: 317-1059



Clockwise Motor Shaft Rotation		
Data Point	Data Type	Value Range
No Load	Speed (rpm)	75.9 - 62.1
	Current (A)	3.3 - 2.7
Stall Load	Torque (Nm)	19.4 - 15.9
	Current (A)	31.7 - 26.0
Peak Power	Power (W)	36.5 - 30.0
	Torque (Nm)	10.5 - 8.6
Nominal (Peak Efficiency)	Power (W)	24.0 nominal
	Speed (rpm)	52.2 nominal
	Current (A)	7.7 nominal
	Torque (Nm)	4.4 nominal
Counter-Clockwise Motor Shaft Rotation		
Data Point	Data Type	Value Range
No Load	Speed (rpm)	75.6 - 61.8
	Current (A)	3.4 - 2.8
Stall Load	Torque (Nm)	16.0 - 13.1
	Current (A)	31.6 - 25.9
Peak Power	Power (W)	37.1 - 30.4
	Torque (Nm)	9.2 - 7.6
Nominal (Peak Efficiency)	Power (W)	26.0 nominal
	Speed (rpm)	51.5 nominal
	Current (A)	8.8 nominal
	Torque (Nm)	4.9 nominal

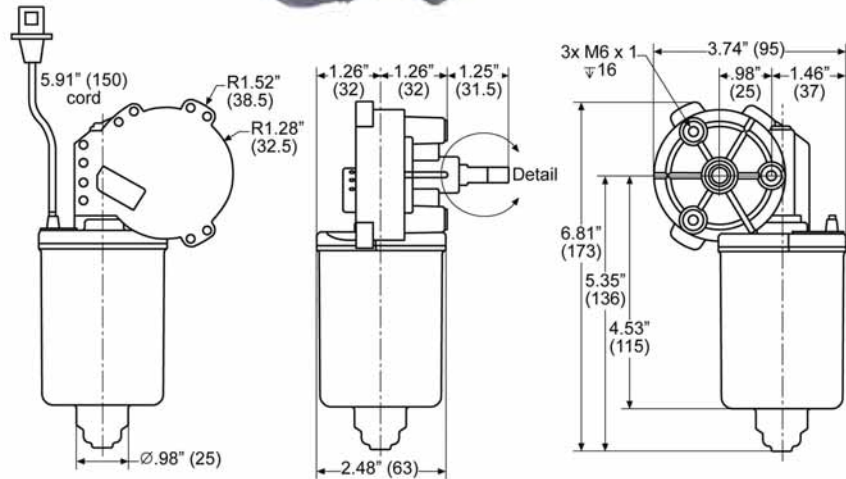


Backdrive 20Nm Minimum CW & CCW

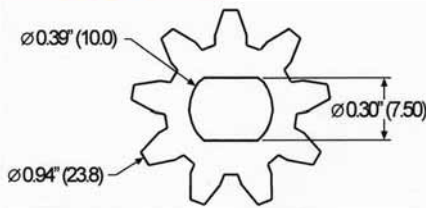
# 218 Series Motor

## 218-1001

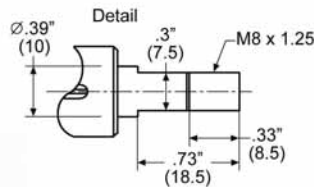
- 18Nm stall torque actuator motor. LH.
- Steel gear for high-impact applications.
- 12V reversible (24V available upon request).
- Water resistant.
- For use with gears, sprockets and drives.
- Weighs 2.6 pounds.



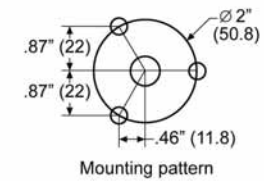
### Motor Pinion



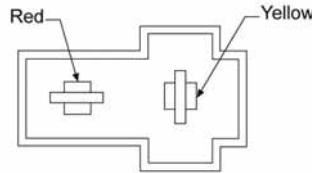
- Powdered Metal
- 9 Tooth
- 10 mm Thick
- 10 mm Double D



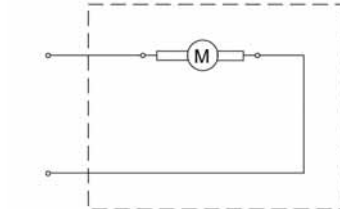
Mounting bolt: 414-1131  
Mate nut: 414-1132



Mounting pattern

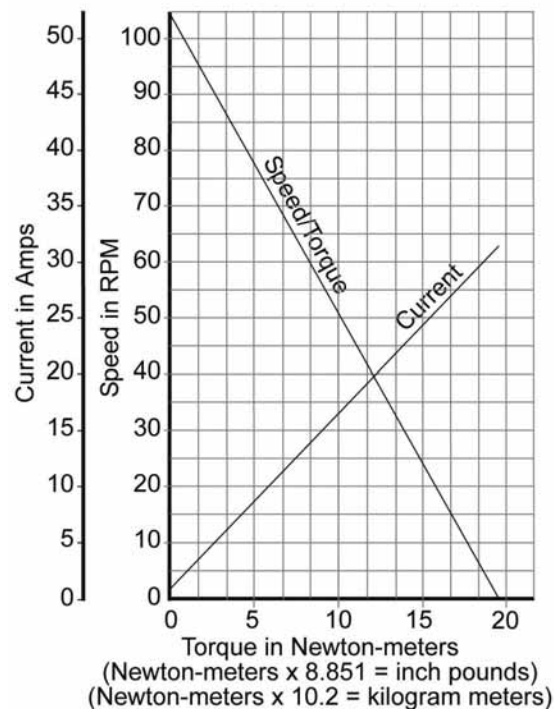


Terminal housing: 317-1057  
Terminal: 317-1054  
Mate terminal housing: 317-1056  
Mate terminal: 317-1055



Red (+), yellow (-) = CW  
Yellow (+), red (-) = CCW (preferred rotation)

Clockwise Motor Shaft Rotation		
Data Point	Data Type	Value Range
No Load	Speed (rpm)	1.7 - 1.4
	Current (A)	116.2 - 95.1
Stall Load	Torque (Nm)	21.3 - 17.5
	Current (A)	36.0 - 29.4
Peak Power	Power (W)	60.0 - 49.1
	Torque (Nm)	11.1 - 9.1
Nominal (Peak Efficiency)	Power (W)	36.5 nominal
	Speed (rpm)	82.1 nominal
	Current (A)	7.0 nominal
	Torque (Nm)	4.3 nominal
Counter-Clockwise Motor Shaft Rotation		
Data Point	Data Type	Value Range
No Load	Speed (rpm)	1.6 - 1.3
	Current (A)	113.5 - 92.9
Stall Load	Torque (Nm)	20.6 - 16.9
	Current (A)	35.7 - 29.2
Peak Power	Power (W)	55.5 - 45.4
	Torque (Nm)	10.5 - 8.6
Nominal (Peak Efficiency)	Power (W)	34.3 nominal
	Speed (rpm)	79.6 nominal
	Current (A)	7.4 nominal
	Torque (Nm)	4.2 nominal



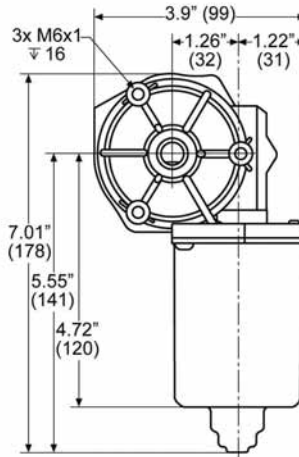
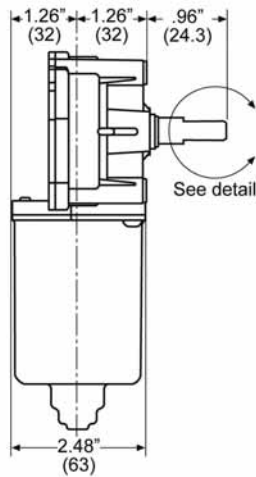
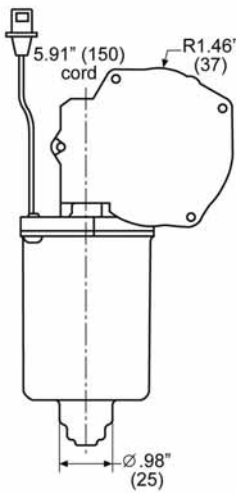
# 226 Series Motor

## 226-3001

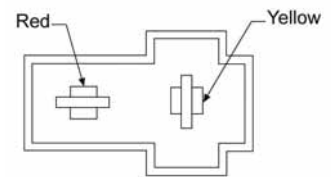
- 26Nm stall torque actuator motor. LH.
- 12V reversible (24V available upon request).
- Water resistant.
- For use with sprockets and drives.
- Weighs 2.7 pounds.



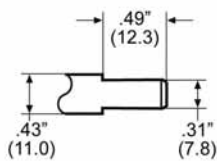
### Steel Gear



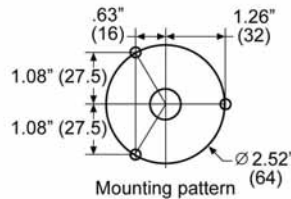
226-3001



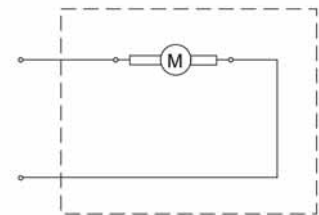
Terminal housing: 317-1057  
Terminal: 317-1054  
Mate terminal housing: 317-1056  
Mate terminal: 317-1055



Mounting bolt: 414-1131



Mounting pattern



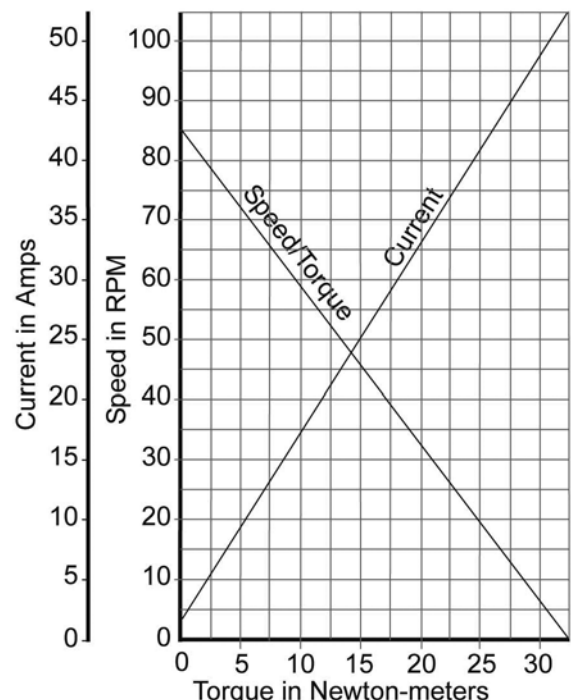
Red (+), yellow (-) = CW  
Yellow (+), red (-) = CCW (preferred rotation)

#### Clockwise Motor Shaft Rotation

Data Point	Data Type	Value Range
No Load	Speed (rpm)	3.4 - 2.8
	Current (A)	95.9 - 78.5
Stall Load	Torque (Nm)	36.7 - 30.0
	Current (A)	67.4 - 55.2
Peak Power	Power (W)	83.6 - 68.4
	Torque (Nm)	19.2 - 15.7
Nominal (Peak Efficiency)	Power (W)	44.5 nominal
	Speed (rpm)	70.2 nominal
	Current (A)	12.8 nominal
	Torque (Nm)	6.2 nominal

#### Counter-Clockwise Motor Shaft Rotation

Data Point	Data Type	Value Range
No Load	Speed (rpm)	3.5 - 2.9
	Current (A)	98.1 - 80.3
Stall Load	Torque (Nm)	35.6 - 29.1
	Current (A)	67.2 - 55.0
Peak Power	Power (W)	84.4 - 69.1
	Torque (Nm)	18.0 - 14.8
Nominal (Peak Efficiency)	Power (W)	44.1 nominal
	Speed (rpm)	74.8 nominal
	Current (A)	11.0 nominal
	Torque (Nm)	5.8 nominal



(Newton-meters x 8.851 = inch pounds)  
(Newton-meters x 10.2 = kilogram meters)