

# SAM-300

## Steering Motor

The SAM-300 motor is a PTx Trimble next generation motor for assisted steering solutions. This steering column-mounted motor is compatible with EZ-Pilot® Pro and Autopilot™ Motor Drive, as well as the NAV-500™ and NAV-900 guidance controllers.



SAM-200 vs SAM-300 Compatibility	SM-200	SAM-300
GFX-1260™	Yes	Yes
GFX-1060™	Yes	Yes
GFX-750™	Yes	Yes
GFX-350™	Yes	Yes
NAV-900	Yes	Yes
NAV-500	Yes	Yes
IMD-900	Yes	Yes
Autopilot Motor Drive	Yes	Yes
EZ-Pilot Pro	Yes	Yes
EZ-Pilot (Classic)	Yes	No
TMX-2050™	Yes	No
IMD-600	Yes	No
NavController II/III	Yes	No

## Key Features

- Drop in replacement to the SAM-200 (with cabling adaptors)
- Uses the same platform kits as SAM-200
- Updated motor cable with standard Deutsch connector
- LED lights for diagnostics and troubleshooting
- IP-65 Environmental Rating (SAM-200 was IP-52)
- Smoother steering operation
- Thinner profile (the motor is 1 inch thinner than the SAM-200)



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### Specifications

Power	Input voltage: 9-16v Nominal
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### Mechanical

Dimensions L × W × H	Length: 9.06", Width: 7.04", Height: 3.0"
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Weight	3.8 kg (8.4 lbs)
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Mount	Vehicle Specific platform kits
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### Environmental

Operational	-20 °C to +60 °C (-4°F to +140 °F)
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Storage	-40 °C to +85 °C
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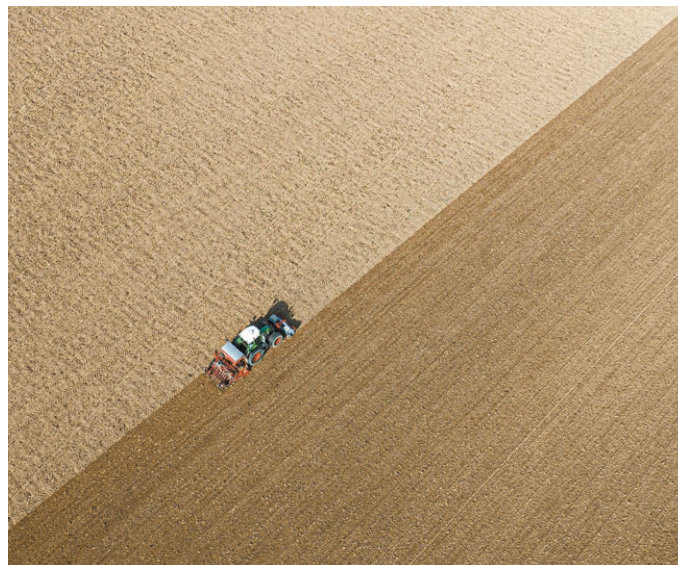
Operating Humidity	5% - 100%
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IP protection rating	IP-65
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### Communication and I/O

#### 12 Pin DT Female - Main connector

Pin	Description
1	CAN H
2	Engage Status output HIGH: Motor Engaged LOW: Motor Disabled, Motor Ready or Fault states
3	Actuator Enable input HIGH: Motor enabled LOW: Motor disabled (physical lockout)
4	Sensor Voltage out Supplies +V up to 500mA
5	Actuator Enable return
6	No Connection
7	Sensor Voltage ground
8	No Connection
9	No Connection
10	Motor Power in (+V) 9-16V
11	Motor Ground
12	CAN L



Contact your PTx Trimble Authorised Dealer today

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