

# Profile

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## PRODUCT



### Overview

Allen-Bradley 1326AH hazardous duty servo motors are designed for use in high performance industrial applications where vapors or gasses create flammable or explosive environments. 1326AH motors conform to the European flameproof specifications and are UL listed for explosion-proof requirements. These ratings are achieved with a totally enclosed, non-ventilated design that does not require an air purge or secondary enclosure.

### Features

1326AH motors provide the following features:

- ◆ Conforms to European flame-proof specifications EN50014 and EN 50018 (EEx d IIB T3)
- ◆ UL Listed, Class 1, Division 1 and 2, Groups C and D for use in explosive environments
- ◆ 460V standard windings for use with the 1394 motion system
- ◆ Rare earth neodymium magnets for high torque-to-inertia ratios
- ◆ Totally enclosed non-ventilated (TENV) design
- ◆ Maintenance-free brushless construction
- ◆ Overtemperature limit sensor in each phase of motor windings
- ◆ Permanently lubricated and double-shielded ball bearings

### Typical Applications

1326AH motors are recommended for use in paint spray and measured pump applications, such as those used in the automotive industry.

## 1326AH Hazardous Duty Motors



**Allen-Bradley**

Catalog Numbers 1326AH-B330F-21 and -21-K3,  
1326AH-B440E-21 and -21-K4, and 1326AH-B540F-21  
and -21-K5



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# Specifications

Parameter	1326AH-B330F-21 (without brake) 1326AH-B330F-21-K3 (with brake)
Continuous stall torque	2.97 Nm (26.3 lb-in.)
Peak torque	1.83 Nm (16.2 lb-in.)
Speed	3000 rpm
Rotor inertia	0.00017 kg-m <sup>2</sup> (0.0015 lb-in.-sec <sup>2</sup> )

Catalog Number	1326AH-B440E-21 (without brake) 1326AH-B440E-21-K4 (with brake)
Continuous stall torque	6.13 Nm (54.2 lb-in.)
Peak torque	4.2 Nm (37 lb-in.)
Speed	2500 rpm
Rotor inertia	0.00063 kg-m <sup>2</sup> (0.0056 lb-in.-sec <sup>2</sup> )

Catalog Number	1326AH-B540F-21 (without brake) 1326AH-B540F-21-K5 (with brake)
Continuous stall torque	16.9 Nm (149.8 lb-in.)
Peak torque	10.99 Nm (97.25 lb-in.)
Speed	3500 rpm
Rotor inertia	0.0036 kg-m <sup>2</sup> (0.32 lb-in.-sec <sup>2</sup> )

## Mechanical Specifications

1326AH-B330F-21 (-K3)	IEC 100 Frame size Threaded pipe connection with pigtail leads
1326AH-B440E-21 (-K4)	IEC 115 frame size Threaded pipe connection with pigtail leads
1326AH-B540F-21 (-K5)	IEC 165 frame size Threaded pipe connection with pigtail leads

## Certification

The 1326AH-B330F-21 and -21-K3, 1326AH-B440E-21 and -21-K4, and 1326AH-B540F-21 and -21-K5 are certified for the following:

- UL Listed Class 1, Division 1 and 2, Groups C and D
- CENELEC marked EEx d IIB T3

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