

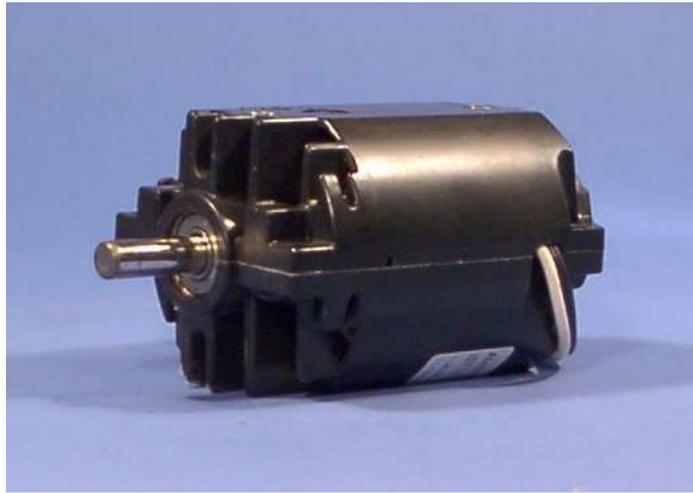


**Floorcare & Specialty Motors**

**Model: 5409-33-2**

**DESCRIPTION**

2.43 Inch Frame Size  
 120 Volt  
 Series Wound  
 Drive Motor  
 CCW Rotation



**SPECIAL FEATURES**

1.10 inch shaft  
 Ground Wire  
 8-32 Mounting Thread  
 Universal Design  
 Thermal Cut Off 128 C  
 3 Hole Bracket

**DESIGN APPLICATION**

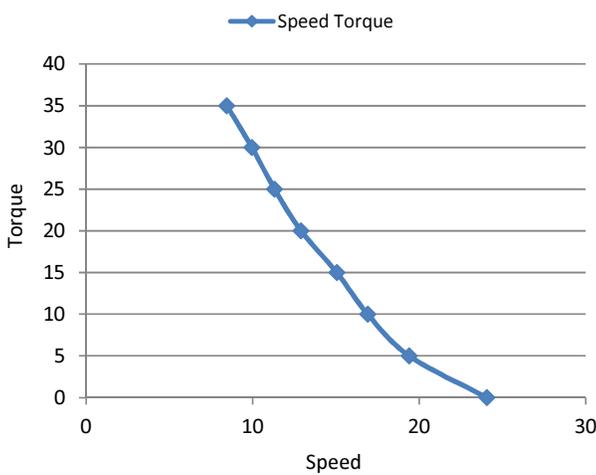
Various Applications  
 Power Nozzles  
 Medical Equipment  
 Sprayers  
 and many more.

Representative Photo  
 May Not Be Actual Model

**TYPICAL MOTOR PERFORMANCE.\***

(At 120 volts, 60Hz, test data is 29.7 Hg, 70° F.)

\* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variations.



| Torque<br>oz in | Amps  | Watts | Corr<br>Watts | RPM x<br>10 <sup>3</sup> | HP Out | Watts Out | Eff  |
|-----------------|-------|-------|---------------|--------------------------|--------|-----------|------|
| 0               | 1.130 | 131.9 | 131.9         | 24.058                   | 0.10   | 0.0       | 0.0  |
| 5               | 2.060 | 241.0 | 241.0         | 19.407                   | 0.17   | 71.7      | 29.8 |
| 10              | 2.550 | 296.2 | 296.2         | 16.908                   | 0.22   | 125.0     | 42.2 |
| 15              | 3.010 | 347.3 | 347.3         | 15.055                   | 0.26   | 166.9     | 48.1 |
| 20              | 3.610 | 413.8 | 413.8         | 12.901                   | 0.28   | 190.7     | 46.1 |
| 25              | 4.150 | 475.9 | 475.9         | 11.314                   | 0.30   | 209.0     | 43.9 |
| 30              | 4.620 | 526.0 | 526.0         | 9.958                    | 0.29   | 220.8     | 42.0 |
| 35              | 5.190 | 588.0 | 588.0         | 8.447                    | 0.24   | 218.5     | 37.2 |
|                 |       |       |               |                          |        |           |      |
|                 |       |       |               |                          |        |           |      |
|                 |       |       |               |                          |        |           |      |
|                 |       |       |               |                          |        |           |      |
|                 |       |       |               |                          |        |           |      |
|                 |       |       |               |                          |        |           |      |
|                 |       |       |               |                          |        |           |      |
|                 |       |       |               |                          |        |           |      |

**IMPORTANT NOTE:** Pictorial and dimensional data are subject to change without notice. Contact factory for current revision levels.

**WARNING -** When using AMETEK Lamb Electric bypass motors in machines that come in contact with foam, liquid (including water), or other foreign substances, the machine must be designed and constructed to prevent those substances from reaching the fan system, motor housing, and electrical components. Lamb Electric vacuum motors other than hazardous duty models should not be applied in machines that come in contact with dry chemicals or other volatile materials. Failure to observe these precautions could cause flashing (depending on volatility) or electrical shock which could result in property damage and severe bodily injury, including death in extreme cases. All applications incorporating Lamb Electric motors should be submitted to appropriate organizations or agencies for testing specifically related to the safety of your equipment.

