

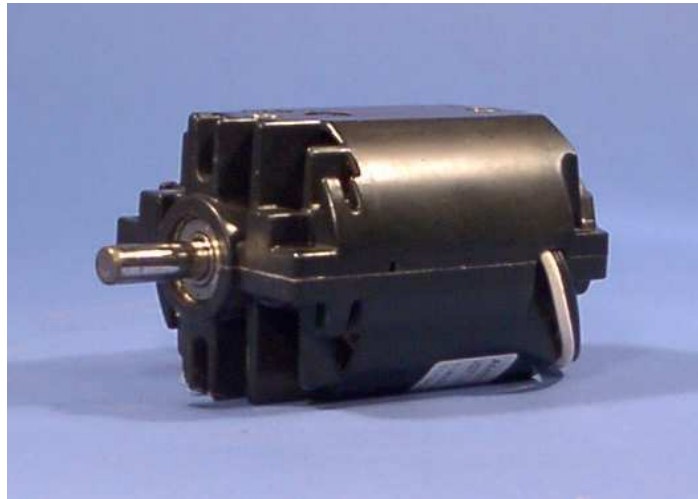


**Floorcare & Specialty Motors**

**Model: 5409-3-2**

**DESCRIPTION**

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



**SPECIAL FEATURES**

0.8 inch shaft  
 Ground Wire  
 Universal Design

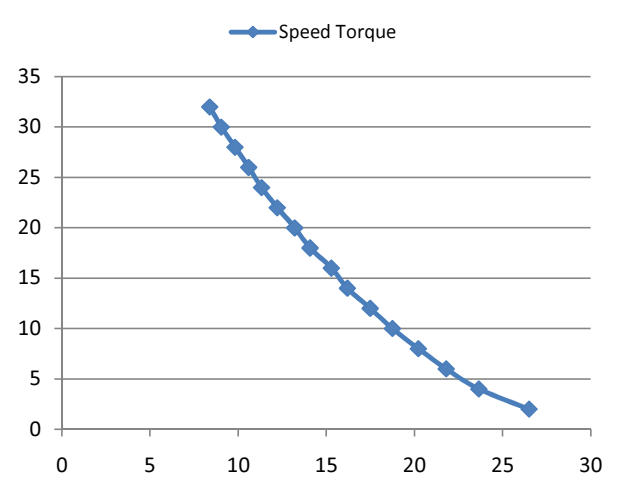
**DESIGN APPLICATION**

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 oz in	Amps	Watts	Corr Watts	RPM x 10 <sup>3</sup>	HP Out	Watts Out	Eff
2	1.600	190.0	191	26.5	0.05	39.2	20.5
4	1.820	215.0	216	23.65	0.09	70.0	32.4
6	2.060	240.0	241	21.8	0.13	96.0	40.2
8	2.260	268.0	269	20.22	0.16	119.7	44.5
10	2.500	292.0	293	18.75	0.19	138.7	47.3
12	2.730	322.0	323	17.49	0.21	155.3	48.1
14	2.950	346.0	348	16.2	0.22	167.8	48.2
16	3.200	374.0	376	15.29	0.24	181.0	48.1
18	3.420	402.0	404	14.08	0.25	187.5	46.4
20	3.660	429.0	431	13.21	0.26	195.5	45.4
22	3.870	455.0	457	12.22	0.27	198.9	43.5
24	4.100	478.0	480	11.33	0.27	201.2	41.9
26	4.330	507.0	510	10.6	0.27	203.9	40.0
28	4.550	531.0	534	9.83	0.27	203.6	38.1
30	4.780	558.0	561	9.05	0.27	200.9	35.8
32	5.000	584.0	587	8.39	0.27	198.6	33.8

**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.

