

New Replacements for Bodine Motors

Fractional Horsepower Gear Motors for Speed Adjust and Gate Limit Control



Overview

Emerson offers a complete line of new fractional horsepower DC motors available in 125 VDC and 250 VDC models.

These are not just off-the-shelf motors. These custom motors are designed to withstand the abusive hydro operational requirements. Other motors will fail prematurely due to the constant change in direction required by most plant control systems. After years of research and development, we have created a robust solution to an all-too-common problem.

Replacement Bodine and Gear Motors

Reference Number	WGC Part Number	Description
07079-236	200229	Speed adjust motor Ratio 288:1 Voltage 125 VDC Bodine NSE-11R replacement
07079-236	200236	Speed adjust motor Ratio: 36:1 Voltage: 125 VDC Bodine NSE-11R replacement
07079-236	200321	Gate limit motor Ratio: 1120:1 Voltage: 125 VDC Bodine NSE-11R replacement

High Voltage Motors

Reference Number	WGC Part Number	Description
07079-236	200230	Speed adjust motor Ratio: 288:1 Voltage: 250 VDC Bodine NSE-11R replacement
07079-236	200237	Speed adjust motor Ratio: 36:1 Voltage: 250 VDC Bodine NSE-11R replacement
07079-236	200235	Gate limit motor Ratio: 1120:1 Voltage: 250 VDC Bodine NSE-11R replacement

Individual Motor Parts

Reference Number	WGC Part Number	Description
07075-519 07082-519	202085	Replacement brushes – Bodine motors Brush assembly (spring and brush)
07075-518 07082-518	075666	Friction clutch pinion assembly Sold installed on motor as a complete assembly*
	202267	Brush cap for NSE-11R Bodine motor

Notes:

*The following part and reference numbers are all part of the Friction Clutch Pinion Assembly:

- Motor shaft, P/N 120674, 07079-238, 07075-516, 07082-516
- Friction gear, P/N 204217, 07079-239, 07050-419, 07058-349, 07075-349, 07075-515, 07079-239, 07082-349, 07082-515, 12000-35120, 12000-35120
- Fiber washer, P/N 186107, 07079-232, 07050-420, 07058-348, 07075-348, 07075-513, 07082-348, 07082-513, 09023-37
- Spring retainer Nut, P/N 120057, 07079-230, 07050-422, 07058-346, 07075-346, 07075-512, 07079-230, 07082-346, 07082-512
- Hex jam nut, P/N 188817, 07079-5, 07050-423, 07058-345, 07075-345, 07075-511, 07082-345, 07082-511

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