

# MPN motors with higher performance



The MPN motors are designed to replace the N-Series motors recently discontinued by Rockwell Automation. Parker's MPN motors feature the proven technology of the MPM motor family, and are modified to match the mechanical and electrical characteristics of the Rockwell N-Series family. The front motor mount, shaft dimensions, connectors and the electrical Ke (back-emf) of the motors are identical to that of the N-Series motors.

MPN replacement motors replace all the Rockwell N-Series motors. The N2302, N2304, N3406, N3412, N4214, N4220, N5630, N5637, and N5647 can all be replaced with the MPN motors. All the MPN motor configuration files, which contain the electrical setup parameters for the Rockwell Ultra family of servo amplifiers, are available online.

- **Same shaft and front flange dimensions as the Rockwell N-Series motors.**
- **Same electrical connectors as the N-Series motors.**
- **Comparable rotor inertia as the N-Series motors making re-tuning unnecessary.**
- **MPN has more torque per frame size than the comparable N-Series motors.**
- **Ultra 3000 and Ultra 100 / 200 configuration files provided, making system setup much faster.**
- **Uses the proven design and technology of the MPM family of motors. These are proven products in industry.**
- **IP65 UL / CE certified.**
- **Motor brake option available for all motors**
- **Two-year warranty**

Custom Designed Servo Motors For Your Specific Application. Call 1-800.358.9070 Today.



## MPN Series

## Rockwell Part Number Matrix

N-	42	14	-2-	H	00	AA
Nema Frames	Frame Size	Torque Rating IN-LB	Voltage Designator	Encoder Line Count	Options	Special options
	23	02	1 = 115	F = 1000	00 = standard 04 = brake	AA = standard Flange
	34	06	2 = 230 volts	H = 2000		
	42	12		k = 5000		
	56	14				
		20				
		30				
		37				
		47				

## MPN Part Number Matrix

MPN	42	14-	N
MaxPlus Nema	Frame Size	Torque Rating in-lb	options
	23	02	N = standard B = brake
	34	06	
	42	12	
		14	
		20	
	56	30	
		37	
		47	

Torque ratings for the MPN motors pertain only to equivalent N-Series part number. Actual torque for the MPN motors is much higher. Please reference spec sheet for actual motor specifications.

## Rockwell N-Series to MPN Replacement conversion table

N series	MPN Replacement Part#	MPC Replacement Custom #
Model #	Model #	Model #
N-2302-1-F00AA N-2302-1-F04AA	MPN2302N MPN2302B	MPC662X-115070 MPC662X-115071
N-2304-1-F00AA N-2304-1-F04AA	MPN2304N MPN2304B	MPC662A-115072 MPC662A-115073
N-3406-2-H00AA N-3406-2-H04AA	MPN3406N MPN3406B	MPC891X-115074 MPC891X-115075
N-3412-2-H00AA N-3412-2-H04AA	MPN3412N MPN3412B	MPC892X-115076 MPC892X-115077
N-4214-2-H00AA N-4214-2-H04AA	MPN4214N MPN4214B	MPC1141X-115078 MPC1141X-115079
N-4220-2-H00AA N-4220-2-H04AA	MPN4220N MPN4220B	MPC1141X-115080 MPC1141X-115081
N-5630-2-H00AA N-5630-2-H04AA	MPN5630N MPN5630B	MPC1141X-115082 MPC1141X-115083
N-5637-2-H00AA N-5637-2-H04AA	MPN5637N MPN5637B	MPC1141X-115084 MPC1141X-115085
N-5647-2-H00AA N-5647-2-H04AA	MPN5647N MPN5647B	MPC1142A-115086 MPC1142A-115087

Since the UL certification is still in-process for the MPN model numbers, until further notice, the "MPC" part numbers must be ordered. The MPC part numbers are UL and CE certified.

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