NetGain Motors, Inc.

800 South State Street ~ Suite 4 ~ Lockport, IL 60441 ~ 630-243-9100 ~ 630-685-4054 (FAX)

WarP™ Motor Specifications ImPulse™

Description	WarP 7™	WarP 8™	ImPulse 9™	WarP 9™	WarP 11™	WarP 13™
CE Shaft, Advanced Timing	00-08217	00-08218	00-08259	00-08219	00-08311	08513 / 08413
CE Shaft, No Advance		00-08206		00-08209		
No CE Shaft, Advanced Timing		00-08210	00-08269	00-08239		
No CE Shaft, No Advance		00-08200		00-08229		
.750 CE Shaft, No Advance		00-08203				
Diameter	7.125 inches	8 inches	9.25 inches	9.25 inches	11.45 inches	13.25 inches
Length (case)	16.62 inches	14.42 inches	13.7 inches	15.93 inches	17.027 inches	20.4 inches
Weight	106 lbs.	106 lbs.	129 lbs.	156 lbs.	229 lbs.	367 lbs.
Bearing Type	Steel, Sealed, high temp, all models					
Drive Bearing	10222140	10222130	10222220	10222220	10222161	10222162
Com Bearing	10222130	10222220	10222140	10222140	10222240	10222240
Communtator	Silver Interlocking Resin Core, all models					
Com Bars	49	49	49	49		
Springs #	11840500	11894400 * 8	11880020 * 8	11880020 * 8	11840510 * 8	11805010 * 8
Brushes #	10399300	10399300 * 4	10327002 * 2	10327002 * 2	10345064 * 4	10345060
Brush Holder	10408207	10499500	10427001	10427001	10440100	10445046
CE Head	10608207	10608203	10627001	10627001	10608311	10640031
DE Head	10908217	10908203	10908249	10908209	10908311	10973250
Armature	3002308217FN	3002308203FN	3002308249FN	3002308209FN	3002308311FN	3002308513FN
Field Coil Set	11108207	11108203	11108249	11133001	11145080	11108413
Insulation	>Class “H”	>Class “H”	>Class “H”	>Class “H”	>Class “H”	>Class “H”
Mounting Pattern	Turbo 400	ADC 8”	WarP 8/ADC 8”	ADC 9”	WarP 9/ADC 9”	Foot
DE Length	2.202”	1.250”	1.250”	1.500”	1.500”	4.00”
DE Diameter	1.1250”	1.1250”	1.1250”	1.1250”	1.1250”	1.750”
DE Keyway	¼” – 20	0.250” * 0.130”	0.250” * 0.130”	0.250” * 0.130”	0.250” * 0.130”	Splined
DE Pilot	4.860” Dia	3.250”	3.250”	4.00”	4.00”	NONE
DE Mounting Hole	3/8 – 16”	5/16” – 18	5/16” – 18	5/16” – 18	5/16” – 18	½” – 13
CE Length	1.940”	1.850”	2.00”	2.00”	2.00”	2.00”
CE Diameter	1.1250”	0.750” -> 0.875”	0.875”	0.875”	0.875”	Max 1.18”
CE Mounting Hole	¼” – 20	¼” – 20	¼” – 20	¼” – 20	¼” – 20	¼” – 20
Case Steel	1020 or similar	1020 or similar	1020 or similar	1020 or similar	1020 or similar	1020 or similar
Shaft Steel	1144 stress proof	1144 stress proof	1144 stress proof	1144 stress proof	1144 stress proof	1144 stress proof