

## '05' Size Brushless Motors (Modified)

All motors detailed below, must be (or previously have been) available for purchase at retail outlets throughout the UK.

### List of Approved motors eligible for use at BRCA sanctioned events.

Motor Builder	Type / Range	Distributor	Can Type	Notes	Approv. Date
Wave	WAVE <i>Linear</i>	Much-More Racing	Black Alu. Ends, with Black centre sleeve. Stator press fitted. 6 Screw holes.	Sensored system. "Y" Wind Black Alum. End-Bell with WAVE etched. 5.0mm shaft reduced to 1/8 for bearings both ends. Black sintered magnet. 3.5T to 17.5T. Rotors :- 12.5.	16/03/09
Nosram	PURE Evolution  Clear label with detail. Wind etched on fixed sleeve.	Mirage	Two part , Al. Can, dark grey anodised . Loose main sleeve. 6 x 4mm wide slots each end. Chamfered mounting face. 6 screw holes.	Sensored system. "Y" Wind. Black plastic chamfered End- Bell with XTEC moulded. 6.00mm shaft reduced for 4.0mm bearings both ends. Silver sintered magnet. Adjustable timing using sensor plug moulds. Rotors:- 12.0, 12.5, 13.0.	09/03/2009
LRP	X12 VECTOR Detail etched on sleeves.	SMD	Two part , Al. Can, dark grey anodised . Loose main sleeve. 6 x 4mm wide slots each end. Chamfered mounting face. 6 screw holes.	Sensored system. "Y" Wind. Black plastic chamfered End- Bell with XTEC moulded. 6.00mm shaft reduced for 4.0mm bearings both ends. Silver sintered magnet. Adjustable timing using sensor plug moulds. Rotors:- 12.0, 12.5, 13.0.	15/12/2008
Tekin	Tekin Redline. Black label with detail.	MuchMore	Two part , Silver Al. Can. OD of Sleeve grooved. Stator bonded in sleeve. Red anodised end- plate. 6 screw holes	Sensored system. "Y" Wind. Black plastic End-Bell with Tekin moulded. 7.3mm shaft reduced for 4.0mm and 1/8 bearings. Silver sintered magnet. Rotors:- 12.5, 13.0.	15/12/2008
Losi	Xcelorin	Horizon Hobby	Blue Alu. End Caps, with loose silver centre sleeve. Removable End Cap has 'wind' engraved. Mounting face with chamfered edge. 6 Screw holes.	Sensored system. "Y" Wind. Black plastic End-Bell with Losi moulded. 7.35mm shaft reduced for 1/8 and 3/16 bearings. Silver sintered magnet. 17.5T, 10.5T, 8.5T, 6.5T, 4.5T, 3.5T. Rotor:- 12.25.	09/06/2008
Orion	Vortex 2008 Race. Silver marking.	Mirage	Black Alu. Ends, with loose Black centre sleeve. Separate Al. End Plate secured with 3 screws. 6 x 5 mm dia holes in term. End. 3 x 4mm slots at mounting face. Mounting face with chamfered edge. 6 Screw holes.	Sensored system. "Y" & Delta. Black Al. End-Plate with "TOP" & wind detailed. 7.25mm shaft reduced for 1/8 and 3/16 bearings. Silver sintered magnet with 13mm fan. 7.5T, 6.5T, 5.5T, 4.5T, 4.0T, 3.5T, 3.0T & 2.5T. Rotor:- 12.25.	19/05/2008

GM-Racing	Brushless PRO	Schumacher	Black Alu. Ends, with Black centre sleeve. Stator press fitted. Sleeve with 10 holes 5.0 x 9.0 mm. 6 Screw holes. Alu. End-Plates and centre sleeve Dark Grey anodised with Wind etched on sleeve for 2009 versions.	Sensored system. "Y" & "Delta" Wind Black Alum. End-Bell with GM Racing name. 5.0mm shaft reduced to 1/8 for bearings both ends. Black sintered magnet. 3.0T to 9.5T. Rotors :- 12.0, 12.5. Alu. End-Plate Dark Grey anodised on 2009 versions.	28/04/2008  09/03/2009
Mtroniks	P2 SERIES. Purple label with P2. Wind No. on label.	Mtroniks	Purple Alu. Ends, with Purple centre sleeve. Stator press fitted. 6 Screw holes.	Non-Sensored system. "Y" Wind Purple Alum. End-Bell with Mtroniks name. 5.0mm shaft reduced to 1/8 for bearings both ends. Black sintered magnet. 15.5T & 10.5T. 6.5T to 2.5T. Rotors :- 12.5.	31/03/2008
Speed Passion	2.0 SERIES. Green/Orange label with Red detail and ABC marking on loose centre sleeve. 'SP' hand engraved on end-plate for first batch.	Schumacher	G/Metal Alu. Ends & loose centre sleeve. Each end with 6 slots at stator location. Mntg. face with 3 slots & 3 holes 6.0 dia. 6 Screw holes.	Sensored system. "Y" . G/Metal Alu. End-Bell with 'SP'. 5.0mm shaft reduced to 1/8 for bearings both ends. Black sintered magnet with fan. 6.5T, 5.5T, 4.5T, 4.0T, 3.5T & 2.5T. Rotors:- 12.0, 12.5, 13.0, 13.5.	31/03/2008
Trinity	DUO	Lesro	Black Alu. Ends, with Black centre sleeve. Each end with 6 angled slots. 6 Screw holes.	Sensored system. "Y" . Black Alum. End-Bell with 'Trinity'. 5.0mm shaft reduced to 1/8 for bearings both ends. Black sintered magnet with fan. 5.5T, 4.5T, & 3.5T approved. Rotors :- 12.0, 12.5, 13.0.	01/10/2007  07/03/2008
Speed Passion	-	Schumacher	Black Alu. Ends, with Black centre sleeve. Each end with 6 holes 5.8 dia. 6 Screw holes.	Sensored system. "Y" . Black Alum. End-Bell with 'SP'. 5.0mm shaft reduced to 1/8 for bearings both ends. Black sintered magnet with fan. 6.5T, 5.5T, 4.5T, 3.5T & 2.5T. Rotors:- 12.0, 12.5, 13.0, 13.5.	01/10/2007  07/03/2008
Novak	EX Series. Clear label with Black text.	CML	Self colour two piece aluminium with plain surface. Gold aluminium stack sleeve. 6 Screw holes.	Sensored system. "Y" Wind Black moulded End-Bell with Novak name. 3/16 bearing in both ends. Bonded magnet (not wrapped). 13.5T approved	03/09/2007
Peak	Vantage BL Black/Red label, White detail.	Helger	Black Alu. Ends, with Black centre sleeve. E/Bell with 6 slots, Mnt. Face with three holes & 3 deep slots. 6 Screw holes.	Sensored system. "Y" Wind Black Alum. End-Bell with TOP name. 5.0mm shaft reduced to 1/8 for bearings both ends. Black sintered magnet with or without fan. 7.5T, 6.5T, 5.5T, 4.5T. 4.0T, 3.5T & 3.0T. Rotors:- 12.0, 12.5, 13.0, 13.5.	20/08/2007  07/03/2008
GM-Racing	EVO 3	Schumacher	Black Alu. Ends, with Black centre sleeve. Each end with 6 slots. 6 Screw holes.	Sensored system. "Y" & 'Delta' Wind. Black Alum. End-Bell with GM-Racing. 5.0mm shaft reduced to 1/8 for bearings both ends. Black sintered magnet with or without fan. 7.5T, 7T, 6.5T, 6T, 5.5T, 4.5T, 4T, & 3.5T. Rotors:- 12.0, 12.5.	30/04/2007  6.5T & 5.5T 20/08/2007 27/04/2008

Mtroniks	PLASMA Purple label, Blue/Red/White detail.	Mtroniks	Purple Alu. Ends, with Purple centre sleeve. 6 Screw holes.	Non-Sensored system. "Y" Wind Purple Alum. End-Bell with Mtroniks name. 5.0mm shaft reduced to 1/8 for bearings both ends. Black sintered magnet in 5.5T, & 4.5T.	26/03/2007
Orion	VORTEX Black/Red label, White detail.	Mirage	Black Alu. Ends, with Black centre sleeve. E/Bell with 6 slots, Mnt. Face with three holes & 3 deep slots. 6 Screw holes.	Sensored system. "Y" Wind Black Alum. End-Bell with TOP name. 5.0mm shaft reduced to 1/8 for bearings both ends. Black sintered magnet with or without fan. 7.5T, 6.5T, 5.5T, 4.5T 4.0T, 3.5T & 3.0T Rotors:- 12.0, 12.5, 13.0, 13.5.	26/03/2007  07/03/2008
LRP	VECTOR X11 Black/Blue label. VECTOR in Blue.	SMD	Silver Can sleeve. Black mounting plate with plain chamfered edge, 6 screw holes.	Sensored system. "Y" Wind. Black moulded End-Bell with VTEC or XTEC name. 7.4 mm stepped shaft, 3/16 bearings both ends. Wrapped bonded magnet 14.0 supplied:-8.5T, 7.5T, 6.5T, 5.5T. Varnished sintered magnet in:- 4.5T & 3.5T approved. 4.0T approved. Rotors:- Bonded 14.0. Sintered 12.3, 12.5, 13.0, 14.0. Manufacturers slotted End Plates (std. & thin versions) allowed at pinion end. Manufacturers grooved aluminium End plate with engraved name allowed at terminal end.	27/11/2006  16/07/2007  26/03/2007 27/08/2007  27/04/2008  19/07/2008
Nosram	STORM Evolution. Red, Black white label.	Mirage	Silver Can sleeve. Black mounting plate with plain chamfered edge, 6 screw holes.	Sensored system. "Y" Wind. Black moulded End-Bell with VTEC or XTEC name. 7.4 mm stepped shaft, 3/16 bearings both ends. Wrapped bonded magnet 14.0 supplied:-8.5T, 7.5T, 6.5T, 5.5T. Varnished sintered magnet in:- 4.5T & 3.5T approved. 4.0T approved. 3.0T approved Rotors:- Bonded 14.0. Sintered 12.3, 12.5, 13.0, 14.0. Manufacturers slotted End Plates (std. & thin versions) allowed at pinion end. Manufacturers grooved aluminium End plate with engraved name allowed at terminal end.	27/11/2006  16/07/2007  26/03/2007 27/08/2007 02/06/2008  27/04/2008  19/07/2008
LRP	VECTOR Blue/Black/Silver label, 'VECTOR' in Red.	Helger	Dark Grey Gun-metal sleeve. Black mounting plate with 6 screw holes.	Sensored system. "Y" Wind Black moulded End-Bell with VTEC name. 4 Star version approved. Wrapped bonded magnet with 3/16 bearings both ends.	24/04/2006
Nosram	STORM. Red/Black/Silver label. Storm in Red/White.	Mirage	Dark Grey Gun-metal sleeve. Black mounting plate with 6 screw holes.	Sensored system. "Y" Wind Black moulded End-Bell with VTEC name. 4 Star version approved. Wrapped bonded magnet with 3/16 bearings both ends.	13/03/2006

Novak	VELOCITI Series. 'R' and 'L' versions Clear labels with Silver text.	CML	Self colour two piece aluminium. Plain ends early 'R' 7.5 6.5 5.5 bonded. Grooved ends 4.5R bonded & all sintered versions of 'R' and 'L' versions. Stack sleeve :- 'R' – Purple. 'L' – Blue. Black available. 6 Screw holes.	Sensored system. "Y" Wind Black moulded End-Bell with Novak name. 3/16 bearing in End-cap only. Wrapped bonded 14.0 magnet in 7.5T, 6.5T, 5.5T, 4.5T. Nickel plated sintered magnet in 7.5T, 6.5T, 5.5T, 4.5T, 3.5T. 'L' version added. Rotors:- Bonded 14.0 Sintered 12.3, 13.0	20/02/2006  26/03/2007  14/01/2008 07/03/2008
Nosram	STORM. Red/Black/Silver label. Storm in Red/White.	Mirage	Dark Grey Gun-metal sleeve. Black mounting plate with 6 screw holes.	Sensored system. "Y" Wind. Black moulded End-Bell with VTEC name. Bonded magnet. 1, 2 & 3 Star versions approved.	20/02/2006
LRP	VECTOR Blue/Black/Silver label, 'VECTOR' in Red.	Helger	Dark Grey Gun-metal sleeve. Black mounting plate with 6 screw holes.	Sensored system. "Y" Wind. Black moulded End-Bell with VTEC name. Bonded magnet. 1,2 & 3 Star versions approved.	17/10/2005
Novak	Super Sport Series. Clear labels with silver, purple & black text.	CML	Self colour two piece aluminium. Purple aluminium stack sleeve. 6 Screw holes.	Sensored system. "Y" Wind. Black moulded End-Bell with Novak name. Bonded magnet.	04/07/2005

Please check the BRCA website for up to date information regarding eligible motors:

**[www.brca.org](http://www.brca.org)** -- (Click on ELECTRIC BOARD)

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