









EUROPEAN FEDERATION RADIO CONTROLLED AUTOMOBILES











**Samples of Motors included on this list have been checked for compliance to EFRA Rules for:-
Brushless 'Spec.' 13.5T Motors.**

**Only Motors included on this list, can be used at EFRA Sanctioned events (EC or GP), for:
The Motor Class designated for the event.**






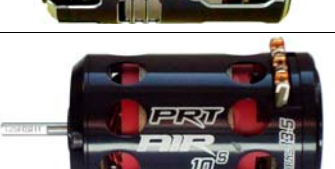






Whilst sample Motors submitted have been found to conform with EFRA rules for 'Spec' Brushless Motors, **it is the responsibility of ALL competitors to ensure that the versions they use also comply with all EFRA rules and requirements.**










NOTE: These motors differ from Brushless 'Modified' Motors.

| Motor Builder | Type/Range | Illustration only | Notes | Approval Date |
|--|--|---|--|---------------|
| Motors below this level must comply with EFRA Rules :- App.4, 4.8 & 4.9 which requires access to stator to allow measurement and visual appraisal of the laminates. Also 4.16, which requires the Rotor to be marked with Name or Logo & Part #. | | | | |
| Absima | CTM V.3 Part # 2130060 |  | Sensored system. Stator removes, access holes. Absima logo End-Cap, wind on stator. Adj. timing 0/50. Single collector ring. Body & timing screws non-magnetic, Al. retaining housing, magnetic steel shielded bearings. Rotor with name & Part # CTM STK N42UH. | 09.03.20 |
| Reds Racing | VX3 Part # MTTE 0036 |  | Sensored system. "Y" Wind. Red Al. timing plate. Adjustable timing 0-50. Caps. remove, cut-outs for measuring stator. All screws magnetic, Al. sensor housing & retaining plate, magnetic steel shielded bearings. Rotor with name & Part # MSTE 0030 | 03.02.20 |
| Reds Racing | VX3 High Torque Part # MTTE 0036T |  | Sensored system. "Y" Wind. Red Al. timing plate. Adjustable timing 0-50. Caps. remove, cut-outs for measuring stator. All screws magnetic, Al. sensor housing & retaining plate, magnetic steel shielded bearings. Rotor with name & Part # MSTE 0031 | 03.02.20 |
| Hoomark | Team Zombie EVO. Part # M-TZ-EVO135T |  | Sensored system. "Y" Wind. Stator removes. Adjustable timing 0/+60 deg. 4mm thick collector ring. Body screws magnetic, timing screws magnetic, Al. retaining housing, magnetic steel shielded bearings. Rotor with: Zombie, Part # M-TZ-725125 on shaft. Option rotor: M-TZ-725123 | 13.01.20 |
| Corally | Vulcan Stock Part # C-61111 |  | Sensored system. "Y" Wind. Can with Vulcan Stock & wind on stator. Adj. timing 0-60 deg. Stator removes. All screws magnetic, Al. sensor housing. Steel shielded bearings. Rotor with name & Part #: 61130 | 07.10.19 |
| Fantom | Fantom ICON Torque Part # FAN19213T |  | Stator glued in one piece can. Wind on stator. Can has wind & ICON etched. Adjustable timing +20/+60 deg. No full length internal pins, one magnetic pin 1 dia. x 8 long. All screws magnetic. Bearings magnetic with steel shields. Rotor with name, Part # - FAN19585. | 30.09.19 |
| Surpass | Rocket V5R Part # SUR 51135 |  | Stator removes. Adjustable timing 0/+60 deg. Wind etched on stator. 3mm collector ring. Body screws non-magnetic, timing screws magnetic, Al. retaining housing, steel shielded bearings. Steel body screws supplied with kit, allowed. Rotor with Surpass, Part # C75125 on shaft. Option rotor: C77123 on shaft. | 30.09.19 |
| Speedzone | Speedzone Part # SZBLS135 |  | One piece Can, stator removes. Adjustable timing 0/+60 deg. Wind etched on stator (hidden). All screws magnetic. Al. retaining housing, steel shielded bearings. Rotor with name, Part # SZR125S, diameters on shaft. | 19.08.19 |
| | | | Option Rotor: SZR125S-T, diameters on shaft. | 30.09.19 |

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| United Sino Enterprises | ORCA Blitreme2 Part # MO18BT54135 |  | Sensored system. Stator bonded, has access holes. ORCA, Blitreme2 & wind etched on End-Cap. Wind on stator. Adj. timing +10/60. Single 3mm collector ring. All screws magnetic, Al. retaining housing, steel shielded bearings. Rotor with name & Part #: RT18M125258. | 17.06.19 |
| RC Concept | RC Concept CR10 Part # 20410135 |  | Sensored system. "Y" Wind. Stator bonded. Adjustable timing 0/+60. Wind etched on stator. All screws magnetic, Al. retaining plate, steel shielded bearings. Rotor with name. Part # 50126. | 17.06.19 |
| Hobbywing | Xerun V10 G3R Pt # 30401130 |  | Sensored system. "Y" Wind. Black Alu. End-Caps, plastic timing insert. Rotor with one Alu. bal. ring. Adjustable timing +30/+ 60 deg. Stator and wind visible. All screws magnetic, Al. retaining housing, steel shielded bearings. Rotor with name & Part # 30820411. Option rotor: 30820416 | 15.05.19 17.06.19 |
| Revtech | XFactor Part # REV1101 |  | Sensored system. Blue end-plate has Revtech & XFactor etched. Wind on stator. Adjustable timing 0-60 deg. Has stator access. Wind stamped on lower collector ring. All screws magnetic, plastic retaining housing, steel shielded magnetic bearings. Rotor with name & Part # TEP1119. | 07.05.19 |
| RC Streamline | WS Line Part # E19135 |  | Sensored system. "Y" Wind. Sleeve with WS Line & wind on stator. Adj. timing 0-60 deg. Has stator access. Body screws non-magnetic, timing screws magnetic. Al. sensor housing. Steel shielded bearings. Rotor with name & Part #: WSL540S | 22.04.19 |
| LRP | XTEC X22 Part # 520201 |  | Sensored system. "Y" Wind. Black Al. End-Bell with XTEC. Adj. timing 0/60. Wind etched on stator. Body screws non-magnetic, timing screws magnetic, steel shielded bearings. Rotor with LRP & Part # 520522, 12.5S on shaft. Option rotor: 520521, 12.3S on shaft. Later motors have two full length slots, and are allowed. | 14.01.19 01.07.19 |
| Motiv | MC3 Part # MOV31013 |  | Sensored system. Alu. timing plate with logo. End-Cap ass. removes. Adjustable sensor plate timing 0/+40 deg. Has stator access. Twin collector rings. All screws magnetic, full Al. sensor housing, steel shielded bearings. Rotor with name & part # MOV1330. Option rotor MOV1318. | 14.01.19 04.02.19 |
| SMC | Lowrider Part # SMCLR40135 |  | Sensored system. "Y" Wind. No centre sleeve, End-Caps remove. Adjustable timing +10/+54 deg. Wind etched on stator. All screws magnetic, Al. retaining housing, steel shielded bearings. Rotor with name & part #: LR712542 | 24.12.18 |
| Sky RC | ARES Pro. V2.1 Part # SK-400003-58 |  | Sensored system. "Y" Wind. Stator removes. Adjustable timing +5/+55 deg. Wind etched on stator. All screws magnetic, Al. retaining housing, steel shielded bearings. Rotor with name & part #: SK-400003-20 | 03.12.18 |
| Fantom | Fantom ICON Pt. # FAN193131CON |  | Stator glued in one piece can, no hysol on outer edge. Wind on stator. Can has wind & ICON etched. Adjustable timing +20/+60 deg. Three internal steel pins 2.48 dia. All screws magnetic. Bearings magnetic with steel shields. Rotor with name, Part # - FAN19597. | 26.11.18 |
| ITEM REMOVED FROM HOMOLOGATION LIST | | | | 24.06.19 |
| Surpass | Rocket V4S Stock Spec. Part # SUR7135 |  | Sensored system. "Y" Wind. Stator removes. Adjustable timing 0/+60 deg. Wind etched on stator. Body screws non-magnetic, timing screws magnetic, Al. retaining housing, steel shielded bearings. Rotor with Surpass, Part # C75125 on shaft. Option Rotor: C77123 on shaft. | 17.09.18 12.11.18 |

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| Team Powers | Actinium V3.0 Pt. # TPBLM 135100 ACT-V3 |  | Sensored system. Black Aluminium Sleeve & End-Cap. Stator with wind etched & visible. Sintered rotor with one balance ring. Body screws non-magnetic, timing screws magnetic, Al. retaining housing, steel shielded bearings. Rotor with name, Part # TP125G-R2. Option rotor: TP123G-R2 | 17.09.18 02.07.19 |
| Hoomark | Zombie CJ Edition. Part # M-TZ-RBE135T |  | Sensored system. "Y" Wind. Stator bonded but visible. Adjustable timing 0/+60 deg. Body screws non-magnetic, timing screws magnetic, Al. retaining housing, steel shielded bearings. Rotor with: Zombie, Part # M-TZ-725125 on shaft. Option rotor: M-TZ-725125S | 17.09.18 |
| Tekin | Redline G3 SPEC-R Part # TT2698 |  | Sensored system. "Y" Wind. Adj. timing 0/60. Machined Alum. Can, wind printed. Stator visible. All screws magnetic, Al. retaining housing, steel shielded bearings. Min. length 50.00mm. Rotor with name & Part # 2722. Option rotor: 2721 | 23.04.18 |
| Hobbywing | Xerun V10 G3 Pt # 30401103 |  | Sensored system. "Y" Wind. Black Alu. End-Caps, plastic timing insert. Rotor with one Alu. bal. ring. Adjustable timing +30/+ 60 deg. Stator and wind visible. All screws magnetic, Al. retaining housing, steel shielded bearings. Rotor Part # 30820018. Later motors 30820406. Both rotors allowed. | 27.02.18 |
| | | | 24.12.18 | |
| Surpass | Rocket V3 Pro Stock. Part # SUR6135 |  | Sensored system. "Y" Wind. Stator bonded, has access. Adjustable timing 0/+45 deg. Wind etched on stator. Body screws non-magnetic, timing screws magnetic, Al. retaining housing, steel shielded bearings. Rotor with Surpass, Part # C74125 on shaft. | 05.02.18 |
| Reedy | Reedy S+Plus Part # 27403 |  | Sensored system. "Y" Wind. Alu. timing insert with 'R' logo, timing 0/+ 50 deg. Stator can be removed, wind etched on stator. All screws magnetic, Al. sensor housing & retaining plate, steel shielded bearings. Rotor with name & Part # 27414 of shaft flat. | 15.01.18 |
| Tianco | ORCA Blitreme Part # OMB135BL |  | Sensored system. "Y" Wind. Stator bonded, has access holes. ORCA Blitreme & wind etched on End-Cap. Adjustable timing 0/60. Twin collector ring. All screws magnetic, Al. retaining housing, steel shielded bearings. Rotor with name & Part # ORR425SO. | 15.01.18 |
| Reds Racing | VX2 Part # MTTE 0022 |  | Sensored system. "Y" Wind. Red Al. timing adjuster. Adjustable timing 0-50. Stator removes & has wind etched. All screws magnetic, Al. sensor housing & retaining plate, steel shielded bearings. Rotor with name & Part # MSTE0017. Option rotor MSTE 0018 | 15.01.18 |
| Arrowmax | Dash R-Tune Part # DA740135 |  | Sensored system. "Y" Wind. Stator removes. Adjustable timing 0/+60 deg. Wind on stator. All screws magnetic, Al. retaining plate, steel shielded bearings. (Non-magnetic body screws included with kit). Rotor with DASH:- Part # - DA-730003. Shaft RSS125. | 01.01.18 19.02.18 |
| NOTE: ALL MOTORS SUBMITTED BEFORE 01.11.17, WERE HOMOLOGATED WITH MAGNETIC SCREWS AND STEEL SHIELDED BEARINGS FITTED. | | | | |
| Changing these items invalidates the Motor Part # stated and contravenes App.4 Rule 4.6. | | | | |
| Maclan | MRR V2 Part # MCL1033 |  | Sensored system. "Y" Wind. Black Can & End-Cap with logo. Nickel rotor with one Black Alu. bal. ring. Adjustable timing +20/+ 50 deg. Has stator access. Rotor Part # MCL4143. Option Rotor : MCL 4144 | 16.10.17 20.11.17 |
| Trinity | Monster Max Horsepower Part # TEP 1505 |  | Sensored system. 'Y' Wind. Green end-plate has Trinity & Monster Max etched. Stator sleeve with Trinity, M Max & Wind etched. Adjustable sensor plate timing 0-60 deg. Has stator access. Wind stamped on lower collector ring. Rotor with name & Part # TEP1112, later versions TEP1119. Either options allowed. | 16.10.17 09.04.18 |












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| Fantom | Fantom FR-1 v3R Pt. # FAN19411S |  | Sensored system. "Y" Wind. Stator glued in sleeve. Sleeve with wind & 'R' etched. Adjustable timing +20/+60 deg. Has stator access no hysol on outer edge. Wind etched on stator. Rotor with name, Part # - FAN19597. | 25.09.17 |
| Fantom | Fantom FR-1 v3T Pt. # FAN19412S |  | Sensored system. "Y" Wind. Stator glued in sleeve. Sleeve with wind & 'T' etched. Adjustable timing +20/+60 deg. Has stator access no hysol on outer edge. Wind etched on stator. Rotor with name, Part # - FAN19597. | 25.09.17 |
| Motiv | MCR Part # MOV101352S |  | Sensored system. "Y" Wind. Alu. timing plate with MOTIV logo. Both End-Caps remove. Nickel sintered rotor with black balance ring. Adjustable sensor plate timing +20/+50 deg. Has stator access. Rotor part # MOV1340 | 28.08.17 |
| R1 Brushless Motor Lab. | R1 Part # R1-135B-125-V16 BRCA & EFRA |  | Sensored system. "Y" Wind. End-Plate with R1 etched. Stator sleeve with wind. Rotor with black balance ring. Adjustable timing 0-60 deg. Has stator access. Collector ring 3mm thick. Motors with epoxy filled windings not approved. V16 etched on sleeve. Rotor with name & Part #: R1-125-720-002 Option rotors: R1-123-720-001 | 24.07.17 |
| Muchmore | FLETA ZX V2 Part # MR-V2ZX135ER |  | Sensored system. "Y" Wind. Al. timing plate, adjust. timing 0-50. Stator removes but can be seen through holes. Wind etched on stator. Shaft etched with rotor dia. Rotor with name & part #. Rotor Part #: MR-FZR 21Y. Optional rotor #'s: All MR-FZR :- 18TI, 19Z, 21TIZ, 21Z | 24.07.17 31.10.17 |
| PRT Electronic | PRT AIRs 10 Part # A10135S |  | Sensored system. "Y" Wind. Black Alu. Caps & Sleeve, PRT on End-Plate. Adjustable timing. Caps remove. Wind marked on sleeve. Has stator access. Rotor with name & Part # 125RSHT. Option rotor: 123RSHT | 31.05.17 |
| PRT Electronic | PRT AIR 10 Part # A10135 (2017 ver.) |  | Sensored system. "Y" Wind. Black Alu. Caps & Sleeve, PRT on End-Plate. Adjustable timing. Caps remove. Wind marked on sleeve. Has stator access. Rotor with name & Part # 125RSHT. Option rotor: 123RSHT | 15.05.17 |
| Hobbywing | Xerun Justock 3650 G2 Pt # 30408005 |  | Sensored system. "Y" Wind. Black Alu. Can & End-Cap with Justock 3650G2. Nickel sintered rotor with one Alu. bal. ring. No timing adjustment. Stator and wind visible. Rotor Part # 30820007 stamped 7-12.5-A. | 15.05.17 |
| R1 Brushless Motor Lab. | R1 Part # R1-135B-125-V15 BRCA & EFRA |  | Sensored system. "Y" Wind. End-Plate with R1 (only) etched. Stator sleeve with wind. Rotor with black balance ring. Adjustable timing 0-60 deg. Has stator access. Collector ring 3mm thick. Motors with epoxy filled windings not approved. Rotor with name & Part #: R1-125-720-002 Option rotors: R1-123-720-001, R1-125-720-001 | 13.02.17 03.04.17 |
| Fantom | Fantom FR-1 v2R Pt. # FAN19471S |  | Sensored system. "Y" Wind. Stator glued in sleeve. Sleeve with wind etched. Adjustable timing +20/+60 deg. Has stator access but hysol on ends. Wind etched on stator. Rotor with name, Part # - FAN19591. Option Rotor: FAN19590. | 23.01.17 |
| Fantom | Fantom FR-1 v2T Pt. # FAN19472S |  | Sensored system. "Y" Wind. Stator glued in sleeve. Sleeve with wind etched. Adjustable timing +20/+60 deg. Has stator access but hysol on ends. Wind etched on stator. Rotor with name, Part # - FAN19591. Option Rotor: FAN19590. | 23.01.17 |
| Orion | Vortex Ultimate Stock LW (2016) # ORI28369 |  | Sensored system. "Y" Wind. Full dia. Black sleeve with removable Alu. End-Plates, all retained with long screws. Adjustable timing 0/+40. Wind etched. Two sensor plug. Rotor has name & part # ORI 41554. Option Rotor: ORI 41553 | 23.01.17 13.02.17 |

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| Maclan | MRR Part # MCL1015 |  | Sensored system. "Y" Wind. Black Can & End-Cap with copper timing plate & logo. Nickel rotor with one red Alu. bal. ring. Adjustable timing +20/+ 60 deg. Stator removes easily. Rotor Part # MCL4075. Optional rotors # MCL4076 & MCL4093. | 16.01.17 |
| Tianco | ORCA RT Pt. # OMT135RT |  | Sensored system. "Y" Wind. Black Can & E/Cap. Stator has access slots. Stator accepts 14.5mm gauge. ORCA RT & wind etched on End-Cap. Adjustable timing +/-50. Rotor with name & Part # ORR425S0. Option rotors:- ORR --- 325S1, 233SL, 238SL, 253SL, 258SL. | 16.01.17 |
| Reds Racing | VX Part # MTTE 0012 |  | Sensored system. "Y" Wind. Red metal End-Plate at Term. End, with adjustable timing 0-45. Black Can/Sleeve. Stator separates & has wind etched. Rotor with Green drilled balance ring Part # MSTE0016. Optional rotors:- # MSTE0009, MSTE0010 | 19.12.16 |
| Trinity | Monster Horsepower Part # TEP 1501 "M" |  | Sensored system. "Y" Wind. Green end-plate has Trinity etched. Stator sleeve with Trinity, M & Wind etched. Adjustable sensor plate timing 0-60 deg. Has stator access. Wind stamped on lower collector ring. Rotor with name & Part # TEP1118. Option Rotor # TEP1112. | 14.11.16 |
| Orion | Vortex VST2 Pro. Mg. LW (2016) # ORI28330 |  | Sensored system. Dark grey one-piece Can. End-Plate has Team Orion & wind marked, retained with five screws. Adjustable timing +/- 10. Two sensor plugs. Has stator access. Rotor with name & Part # ORI 41476 Option rotor: ORI 41517 | 24.10.16 |
| Team Powers | Actinium Pt. # TPBLM 135100 ACT- V2 |  | Sensored system. "Y" Wind. Black Aluminium Sleeves & End-Plates. Stator with wind etched & visible. Nickel sintered rotor with no balance ring. Has stator access. (UK Spec. label not mandatory). Rotor with name, Part # TP125G-R | 24.10.16 |
| Corally | Dynospeed Spec. 3.0 Part # C-61101 |  | Sensored system, two ports. "Y" Wind. One end of stator visible but stator removes. Wind etched on End-Cap. End-Cap Alum., adjustable timing, no numbers. Rotor with logo, Part # 61130 | 08.08.16 |
| Tesla | Tesla EP Part # TS-194135T-S |  | Sensored system. "Y" Wind. Blue Alu. Can & End-Caps. Timing insert with Tesla logo etched. Nickel sintered rotor with one Alu. bal. ring. Adjustable timing +20/+ 60 deg. Lams.visible. Rotor Part # TS-194136 | 18.07.16 |
| Motiv | M Code Part # MOV10305S |  | Sensored system. "Y" Wind. Alu. timing plate with MOTIV logo. Mounting Cap removes. Nickel sintered rotor with no balance ring. Adjustable sensor plate timing 0/+50 deg. Has stator access. Rotor part # MOV1315 | 18.07.16 |
| Fantom | Fantom FR-1 Type M Pt. # FAN19480S |  | Sensored system. "Y" Wind. Stator glued & spigoted in sleeve. Sleeve with wind etched. Adjustable sensor plate timing +20/+60 deg. Has stator access. Wind etched on stator. Rotor with name, Part # - FAN19591. Optional Rotor: FAN19590. | 18.07.16 05.12.16 |
| Fantom | Fantom FR-1 Type RS Pt. # FAN19481S |  | Sensored system. "Y" Wind. Stator glued & spigoted in sleeve. Sleeve with wind etched. Adjustable sensor plate timing +20/+60 deg. Has stator access. Wind etched on stator. Rotor with name, Part # - FAN19591. Optional Rotor: FAN19590. | 18.07.16 05.12.16 |
| Ruddog | Ruddog RP540 Part # RP-0013 |  | Sensored system. "Y" Wind. Silver Alu. Can & End-Caps. Timing insert with Ruddog etched. Nickel rotor with one Alu. bal. ring. Adjustable timing +20/+ 60 deg. Lams.visible with wind visible on stator. Rotor Part # RP-12.5-7.2 | 30.05.16 |

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| Fenix | Fenix DFV2-13.5 Pt. # FM00135-2 |  | Sensored system. "Y" Wind. Black Alu. Can & End-Caps. Timing insert with Fenix DFV2 etched. Nickel sintered rotor with one Alu. bal. ring. Adjustable timing +20/+ 60 deg. Lams.visible. Rotor Part # MF72-B Option rotor: MF72 | 19.05.16 |
| Tekin | Redline Gen3 Part # TT2707 |  | Sensored system. "Y" Wind. Black Alum. Timing plate 2.5mm above red ring.. Adj. timing 0/60. Machined Alum. Can with wind printed. Stator visable via. slots. Rotor with one brass balance ring Part # 2721. Option rotors: 2719, 2722 | 16.05.16 |
| Tekin | Redline Gen3 Part # TT2706 RPM |  | Sensored system. "Y" Wind. Black Alum. Timing plate 2.5mm above red ring.. Adj. timing 0/60. Machined Alum. Can with wind printed. Stator visable via. slots. Rotor with one brass balance ring Part # 2721. Option rotors: 2719, 2722 | 16.05.16 |
| Fenix | Fenix DFV-13.5 Pt. # FM00135 |  | Sensored system. "Y" Wind. Black Alu. Can & End-Caps. Timing insert with Fenix DFV etched. Nickel sintered rotor with one Alu. bal. ring. Adjustable timing +20/+ 60 deg. Lams.visible access with cap removed. Rotor Part # MF72. | 18.01.16 |
| Hobbywing | Xerun V10 G2 Pt # 30101107 |  | Sensored system. "Y" Wind. Black Alu. Can & End-Cap, moulded timing insert with logo moulded. Nickel sintered rotor with one Alu. bal. ring. Adjustable timing +20/+ 50 deg. Stator and wind visible. Rotor Part # 30820007 stamped 7-12.5-A. Option Rotor: # 30820015 stamped 7-12.5-U-B Option End-Cap, timing +30/+60, Part # 30820054 | 18.01.16 12.12.16 21.11.16 |
| Turnigy | Trackstar V2 Pt # 80134 |  | Sensored system. "Y" Wind. Stator slides from sleeve.Sleeve with wind etched. Adjustable sensor plate timing 0-50 deg. Has stator access. Wind etched on stator. Rotor with name, sizes & Part #. Rotor Part # 919000281 | 23.11.15 |
| Team Epic | ReVtech 24K Pt # REV1801 |  | Sensored system. "Y" Wind. End-Plate has Revtech etched. Stator sleeve with ReVtech & Wind etched. Adjustable sensor plate timing 0-60 deg. Has stator access. Wind stamped on lower collector ring & visible. Rotor with name & Part # TEP1112. Optional rotor # TEP1118. | 23.11.15 14.11.16 |
| Reedy | Reedy Sonic M3 Part # 255 |  | Sensored system. "Y" Wind. Black Alu. Cap & Sleeve, Alu. timing insert with 'R' logo. Adjustable sensor plate timing 0/+ 50 deg. Caps remove and stator can be removed, wind etched on stator. Nickel sintered rotor with one Alu. balance ring. Rotor Part # 273. Optional Rotors #'s: 272, 286. | 17.10.15 15.05.17 |
| Reedy | Reedy Sonic M3 - SS 1S Part # 270 |  | Sensored system. "Y" Wind. Black Alu. Cap & Sleeve, Alu. timing insert with 'R' logo. Adjustable sensor plate timing 0/+ 50 deg. Caps remove and stator can be removed, wind etched on stator. Nickel sintered rotor with one Alu. balance ring. Rotor Part # 272. Optional Rotors #'s: 273, 286. | 17.10.15 15.05.17 |
| G Force | G Force Super Extreme Pt # G0150 |  | Sensored system. "Y" Wind. Red Alu. Cap & Sleeve, Alu. timing insert with G logo. Adjustable sensor plate timing 0/+ 60 deg. Caps & sleeve remove, wind etched on stator. Nickel sintered rotor with one Alu. balance ring. Rotor Part # GF400003-54 Option rotor G0045 | 27.7.15 |
| Motors below this level must comply with EFRA Rule - App.4, 4.8 & 4.9, which requires access to the stator to allow measurement and visual appraisal of the laminates. | | | | |
| King Golden | Speed Passion V4.0 13.5R #SP001231 |  | Sensored system. "Y" Wind. Black End-Plates & Sleeve with wind etched. Nickel sintered rotor with one Purple balance ring, 12.5 dia, 7.1 core. Adjustable timing 0 -40 deg. Has stator access. | 9.3.15 |

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| PRT Electronic | PRT AIR 10 Part # A10135 |  | Sensored system. "Y" Wind. Black Alu. Caps & Sleeve, PRT on End-Plate. Nickel finish Rotor with Cyan Alu. balance ring, 12.5 dia, 7.2 core. Adjustable timing. Caps remove. Wind marked on sleeve. Has stator access. Rotor options:- PRT123RSHT Purple/Nickel. PRT125RS2 Grey/Nickel. PRT125RS Grey/Black. PRT123RS Purple/Black. Logo design updated. | 19.01.15 14.08.15 |
| Hirosaka | Hirosaka Part # HSK- PRO135T |  | Sensored system. "Y" Wind. Black metal End-Bell with plastic timing insert. Adjustable timing 0-45. Black Can/Sleeve. Nickel sintered rotor with Purple balance ring, 12.3 dia, 7.1 core. Caps & sleeve remove, has stator access. Stator marked with wind | 15.12.14 |
| EZpower | EZ Kicker EZBR213R |  | Sensored system. "Y" Wind. Gun-metal End-Plates & Sleeve. Adjustable red timing ring. Nickel sintered rotor with Red hollow balance ring marked EZ, 12.5 dia, 7.2 core. Caps & sleeve remove, has stator access. | 17.11.14 |
| Wurks | Wurks Part # R1-135-125-V7 |  | Sensored system. "Y" Wind. End-Plate with R1 Wurks etched. Stator sleeve with Wind painted. Nickel sintered rotor painted Black, no balance ring, 12.5 dia, 7.2 core. Adjustable sensor plate timing 0-60 deg. Has stator access. Single collector ring at 'pinion' end of stator. Motors with Twin collector rings and/or epoxy filled windings not approved. | 27.10.14. 16.12.15 26.10.16 |
| Tianco | ORCA RX3 Part # OMR135X3 |  | Sensored system. "Y" Wind. Black Can & E/Cap. Complete stator removes. Has stator access slots. ORCA RX3 & wind etched on End-Cap. End-Cap Alum., adjustable timing. Rotor with black balance ring 12.4 dia., 7.2 core. Rotor Part # OTR124ST. | 20.10.14 25.05.15 |
| Team Powers | Actinium Pt. # TPBLM 135100 ACT |  | Sensored system. "Y" Wind. Black Aluminium End-Plates, Team Powers etched. Gun-Metal stator sleeve with 13.5T etched. Nickel sintered rotor with no balance ring, 12.45 dia, 7.23 core. Has stator access. Optional End-Plate TP-ATEB-001 allowed. Optional Rotor # TP125G-R. | 20.10.14 18.01.16 |
| Trinity | D4 Part # TEP 1701 |  | Sensored system. "Y" Wind. Purple Alu. timing plate with TRINITY & 4 etched. Caps and sleeve dark gun-metal, all parts remove. Nickel sintered rotor with one purple balance ring, 12.3 dia, 7.2 core. Adjustable sensor plate timing -10 + 60 deg. Has stator access. Optional rotor TEP 1112 approved | 29.9.14 |
| Absima | Revenge V2 Part # 2130020 |  | Sensored system. "Y" Wind. Black Alu. Caps & Grey Sleeve, Logo only on End-Plate. Sintered rotor with one Alu. balance ring, 12.5 dia, 7.2 core. Sensor plate timing 0/+ 40 deg. Caps & sleeve remove, wind marked on stator. Only V2 version approved | 30.6.14 |
| Reds Racing | VX Part # MTTE 0006 |  | Sensored system. "Y" Wind. Red metal End-Plate at Term. End, with adjustable timing 0-45. Black Can/Sleeve. Stator separates & has wind etched. Rotor with Black drilled balance ring MSTE0010. Optional rotors:- # MSTE0009, MSTE0016 | 05.05.14 06.07.16 |
| G Force | G Force Super Sonic Pt # G0008 |  | Sensored system. "Y" Wind. Black Alu. Caps & Sleeve, Alu. timing insert with logo printed. Nickel sintered rotor with one Alu. balance ring, 12.5 dia, 7.2 core. Adjustable sensor plate timing 0/+ 40 deg. Caps & sleeve remove, wind etched on stator. Option rotor G0045 | 07.04.14 27.07.15 |
| Hobbywing | Xerun V10 Pt. # 30401020047 |  | Sensored system. "Y" Wind. Black Alu. Can & End-Cap, moulded timing insert with logo printed. Nickel sintered rotor with one Alu. balance ring, 12.5 dia, 7.2 core. Adjustable sensor plate timing -20/+ 50 deg. Stator and wind visible via. sleeve slots. | 3.3.14 |

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| Team Epic | ReVtech Killshot Pt # REV1601T |  | Sensored system. "Y" Wind. Copper colour Aluminium End-Plates, Revtech etched. Blue stator sleeve with ReVtech & Wind painted. Nickel sintered rotor with one purple balance ring, 12.3 dia, 7.2 core. Adjustable sensor plate timing 0-80 deg. Has stator access. Optional rotor TEP 1112 approved. | 09.12.13 07.04.14 |
| Team Epic | ReVtech Killshot Pt # REV1601R |  | Sensored system. "Y" Wind. Copper colour Aluminium End-Plates, Revtech etched. Blue stator sleeve with ReVtech & Wind painted. Nickel sintered rotor with one purple balance ring, 12.3 dia, 7.2 core. Adjustable sensor plate timing 0-80 deg. Has stator access. Optional rotor TEP 1112 approved. | 09.12.13 07.04.14 |
| Novak | Vulcan Pt. # 3643 |  | Sensored system. "Y" Wind. Black Al. End-Plate with NOVAK etched. Stator sleeve with 13.5T label. 3/16 Bearing at Pinion end. Red plastic denoting 13.5. Adjustable timing. Nickel sint. Rotor Pt.# 5941 12.3, 7.1 core. Optional rotor Pt.# 5955 12.5 dia. | 09.09.13 21.10.13 |
| Mtroniks | MX-1 Pt. # MTMX135 |  | Sensored system. "Y" Wind. Anodised Alum. End-Plates & Stator Sleeve, with wind printed. Fixed timing. Nickel sintered rotor with one hollow balance ring, 12.5 dia, 7.2 core. Stator visible via. Sleeve slots. | 5.8.13 |
| Muchmore | FLETA ZX Pt # MR-FZX135 |  | Sensored system. "Y" Wind. Black metal End-Bell with plastic timing plate, with adjustable timing 0-45. Black Can/Sleeve. Stator separates. Nickel sintered rotor with Blue drilled balance ring. Rotor 7.2 core, 12.3 dia. Optional rotor MRFZR12 allowed. Aluminium timing-plate MR-FZAT fitted to later versions. | 29.07.13 14.05.14 05.08.14 |
| Nosram | Pure 2 Evolution Spec. Racing Pt.# 91844 |  | Sensored system. "Y" Wind. Black moulded End-Bell with XTEC. Fixed End-Sleeve etched with wind. Sintered rotor, coloured Black, with 1 balance ring. Grey stator moulding. Rotor shaft Black stamped 12.5-25. Slot for stator access. Optional Green rotor # 90639 approved | 08.07.13 28.12.15 |
| Corally | Corally Pro Silver 13.5T 399135 |  | Sensored system. "Y" Wind. Plain Alum. End-Plates. Adj. timing. Plain Alum. stator sleeve with wind etched. Nickel sintered rotor with one Black balance ring, 12.4 dia, 7.18 core. Stator visible via. Sleeve slots. All red S/Print decal also OK. | 17.6.13 |
| Tianco | ORCA TX Pt. # OTM 135TX |  | Sensored system. "Y" Wind. Dull Grey Aluminium casings. Main sleeve removes. Has stator access slots. ORCA TX & wind etched. End-Plate moulded, adjustable timing. 12.5mm Rotor no balance ring, shaft marked 125S-N. Option rotor 123S-N. 12.3mm. Option EndPlate OME111TX allowed. New sensor Ass. CAS-0220TX-30 fitted. | 10.06.13 10.03.14 20.07.14 |
| LRP | X20 13.5T Spec. # 50844 |  | Sensored system. "Y" Wind. Black moulded End-Bell with XTEC. Fixed End-Sleeve etched with wind. Sintered rotor, coloured Black, with 1 balance ring. Grey stator moulding. Rotor shaft Black stamped 12.5-25. Slot for stator access. Optional Green rotor # 50639 approved. | 22.04.13 28.12.15 |
| Tekin | Redline GEN2 # TT2406 & TT2407 |  | Sensored system. "Y" Wind. Black Alum. End-Plates, not joined. Adj. timing. Alum. Can with wind etched. Stator visible via. Sleeve holes. Nickel sintered rotor with one brass balance ring. Rotor 7.14 core. 2406=12.25 dia. 2407=12.5 dia. | 1.4.13 |
| Team Wave | Eclipse # TW2011-135 |  | Sensored system. "Y" Wind. Black Alum. End-Plates. Adj. timing. Black Alum. stator sleeve with wind etched. Nickel sintered rotor with one plain balance ring, 12.5 dia, 7.17 core, marked 125-R. Stator visible via. Sleeve slots. | 1.4.13 |
| Reedy | Reedy Sonic Mach 2 # 233 |  | Sensored system. "Y" Wind. Black metal End-Bell at Term. End, with adjustable timing 0-45. Black Can/Sleeve. Stator separates. Nickel sintered rotor with drilled balance ring, 12.5 dia, 7.2 core # 956. Optional rotors:- # 954, # 955. | 25.3.13 |

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| Savox | Savox SX.1 # SAV- BLH3650 991757 |  | Sensored system. "Y" Wind. Aluminium casings. Slot for stator access included. Main sleeve removes, stator spigoted into fixed casing. Saxox X1 & wind etched. End-Plate moulded, adjustable timing. Rotor has no balance ring. | 25.3.13 |
| Team Orion | VST2 Pro Stock 13.5. # ORI 28251 |  | Sensored system. "Y" Wind. Grey one-piece Can. Black Aluminium End-Plate retained with five screws, adjustable moulded timing plate. Wind etched. Nickel sintered rotor, 12.5 dia, 7.1 core, no balance rings. Optional 12.4 dia, 7.2 core. | 25.3.13 |
| Motors below this level retain approval, although they were approved before implementation of EFRA Rule App.4, 4.8 & 4.9, (requiring access to stator for measurement and visual appraisal of laminates). Some motors do allow stator access. | | | | |
| Horizon Hobby | Dynamite Platinum 13.5T # DYP 1013 |  | Sensored system. "Y" Wind. Black Alluminium End-Plate at Term. End, with adjustable timing. Wind etched on Term. Sleeve, Stator mould & Stator Lams. Stator separates. Nickel sintered rotor with drilled balance ring, 12.5 dia, 7.2 core. | 20.8.12 |
| Dualsky | Track & Field Z5 13.5T Pt # 53651 |  | Sensored system. "Y" Wind. Silver Sleeve & Mounting-Plate. Z5, 13.5T, Track&Field etched on sleeve. Black Alu. End-Plate & retaining ring. Adjustable timing. Nickel sintered rotor with no balance ring, 12.5 dia, 7.2 core. | 11.6.12 |
| Team Epic | ReVtech R-Power Pt # REV1051 |  | Sensored system. "Y" Wind. Copper colour Aluminium End-Plates, ReVtech painted. Blue stator sleeve with ReVtech & Wind painted. Nickel sintered rotor with one purple balance ring, 12.45 dia, 7.2 core. Adjustable sensor plate timing. Mounting Plate with 3 x 5.9mm slots. | 12.3.12 |
| Vampire | Vampire Type AB+ Bloodline Pt. # VR-3135 |  | Sensored system. "Y" Wind. Black Plastic End-Plate at Term. End, with adjustable timing. Sensor plug horizontal. Purple End plates. Wind etched. Nickel sintered rotor with no balance rings, 12.5 dia, 7.21 core. | 12.3.12 |
| Graupner | GM Brushless PRO. Pt. # 97413. 2012 version. |  | Sensored system. "Y" Wind. Alum. Mounting-Plate with 3x5mm holes and 3 radiused slots. Plastic End-Cap with GM moulded. Adj. timing. Gun-Metal stator sleeve with Wind & Pt.# etched. Side entry sensor plug. Nickel rotor marked GM Stock, 12.51 dia, 7.24 core. | 31.12.11 |
| Tekin | Tekin Redline 13.5T Spec. Pt. # TT2252 (Etched Can) |  | Sensored system. "Y" Wind. Red Aluminium mounting plate. Black moulded End-Bell with Tekin. Grooved Al. bonded stator sleeve with 13.5T etched. Nickle plated sintered rotor, 12.5 dia, 7.1 core. No balance rings. | 17.10.11 |
| Thunder Power | Z3R-S Part # TPM-540A135 |  | Sensored system. "Y" Wind. Black Plastic Moulding at Term. End, with adjustable timing. Red Can/Sleeve with silver end cover. Wind etched on stator. Stator separates. Nickel sintered rotor with drilled red balance ring, 12.25 dia, 7.2 core. Optional rotors: - Blue or Green balance ring. | 17.10.11 16.04.12 |
| Reedy | Reedy Sonic Pt. # 942 |  | Sensored system. "Y" Wind. Black Plastic End-Plate at Term. End, with adjustable timing. Black Can/Sleeve. Wind etched. Stator separates. Nickel sintered rotor with drilled balance ring, 12.5 dia, 7.2 core. Later version has more timing graduations detailed & relocated pointer. | 04.07.11 09.04.12 |
| Speed Passion | Competition 3.0 MMM Version Pt.# SP000038 |  | Sensored system. "Y" Wind. Dark Gun-Metal Aluminium Sleeve & End-Plates, SP etched. Sleeve with Wind & MMM etched. End-Plates with grooves. Red sensor board. Black sintered rotor with one balance ring, 12.3 dia, 7.2 core. Adjustable timing 11-20 deg. | 4.7.11 |

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| Viper | Viper VST Pt. # 8VST 135001 |  | Sensored system. "Y" Wind. Red Aluminium End-Plates, VST & 13.5T etched. Black grooved stator sleeve. Black sintered rotor with no balance rings, 12.5 dia, 7.35 core. Adjustable timing. | 16.5.11 |
| Novak | Ballistic Pt. # 3613 |  | Sensored system. "Y" Wind. Black Al. End-Plate with NOVAK etched. Stator sleeve with 13.5T label. Ring etched. Nickel plated sintered rotor, 12.3 dia, 7.12 core. Red plastic denoting 13.5. Adjustable timing. Vented End-Bells # 5925 approved. | 11.04.11 18.06.12 |
| Team Powers | Plutonium Pt.# TP-BLM- 135100PL |  | Sensored system. "Y" Wind. Black Aluminium End-Plates, Team Powers etched. Gun-Metal stator sleeve with 13.5T etched. Nickel sintered rotor with no balance ring, 12.23 dia, 7.24 core. Adjustable sensor plate timing. Optional End-Plate TP-ATEB-001 allowed. | 11.04.11 20.10.14 |
| HPI | Flux Pro. Pt. # 101732 |  | Sensored system. "Y" Wind. Black Aluminium End-Plates, HPI etched. Black stator sleeve with Wind etched. Nickel sintered rotor, 12.5 dia, 7.2 core. Adjustable timing. Optional rotor - 12.2 dia, 7.2 core, Nickel plt. Optional rotor 107252 - Mag. & Shaft Black. | 28.03.11 07.05.12 |
| Hobbywing | Xerun Pt. # 90040120 |  | Sensored system. "Y" Wind. Polished Aluminium End-Plates, Hobbywing etched. Fixed timing. Blue stator sleeve with 13.5T & Pt.# etched. Sleeve & EndPlates also Gunmetal colour. Side entry sensor plug. Nickel sintered rotor, 12.4 dia, 7.2 core. Rotor with one balancing ring. | 12.2.11 |
| Graupner | GM Brushless PRO. Pt.# 97353 2011 version. |  | Sensored system. "Y" Wind. Gun-Metal Aluminium End-Plates, GM-Racing etched. 5 timing threads. Gun-Metal stator sleeve with S13.5T & Pt.# etched. Side entry sensor plug. Black sintered rotor, 12.4 dia, 7.21 core. Rotor with one balancing ring. | 31.1.11 |
| Tianco | ORCA RX2 Pt. # OBM135X2 |  | Sensored system. "Y" Wind. Gun-Metal End-Plates, RX2 & 13.5T etched. Gun-Metal sleeve with RX2 & 13.5T etched. Black rotor, one balance ring, 12.2 dia, 7.23 core. Optional rotor OMA123PX 12.2mm nickel. Adjustable sensor plate timing. Mounting Plate 3 x 6mm holes & chamfer. | 31.01.11 31.12.11 |
| Trinity | Trinity D3 Pt. # TEP1051 |  | Sensored system. "Y" Wind. Gun-Metal Aluminium End-Plates, Trinity etched. Black stator sleeve with D3 & 13.5T etched. Nickel sintered rotor with one balance ring, 12.25 dia, 7.21 core. Adjustable sensor plate timing. | 31.1.11 |
| Team Powers | Team Powers Brushless 13.5 Turns Pt. # TPBLM 135100 |  | Sensored system. "Y" Wind. Black Aluminium End-Plates, Team Powers etched. 5 outer timing threads, 3 sensor mount threads. Black & Gold stator sleeves with 13.5T etched. Nickel plated sintered rotor, 12.3 dia, 7.24 core. No balancing rings. | 10.10.10 |
| Graupner | GM Brushless PRO. Pt.# 97294 2010 version. |  | Sensored system. "Y" Wind. Gun-Metal Aluminium End-Plates, GM-Racing etched. 5 timing threads. Gun-Metal stator sleeve with S13.5T & Pt.# etched. Side entry sensor plug. Black sintered rotor, 12.3 dia, 7.22 core. Rotor with one balancing ring. | 1.2.10 |
| LRP | X12 Vector Stock Spec. Pt.# 50842 |  | Sensored system. "Y" Wind. Black moulded End-Bell with XTEC. Sleeve etched "13.5 Turns". Black Sintered rotor, 12.5 dia, 7.1 core. Rotor shaft, Black. Manufacturers 'grooved' Al. End-Bell with name engraved allowed at terminal end. Optional green rotor 50639 12.2, 7.1 core Later versions have rotor shaft stamped. | 23.11.09 31.01.11 28.05.12 |

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| Nosram | Pure Evolution Spec. Racing Version. Pt.# 91841 |  | Sensored system. "Y" Wind. Black moulded End-Bell with XTEC. Sleeve etched "13.5 Turns". Black Sintered rotor, 12.5 dia, 7.1 core. Rotor shaft, Black. Manufacturers 'grooved' Al. End-Bell with name engraved allowed at terminal end. Optional green rotor 90639 12.2, 7.1 core Later versions have rotor shaft stamped. | 23.11.09 31.01.11 28.05.12 |
| LRP | Vector X11 Stock Spec. Pt. # 50840 |  | Sensored system. "Y" Wind. Black moulded End-Bell with XTEC. Red anodised ring. Chamfered mounting face. Sleeve etched "13.5 Turns". Sintered rotor, 12.3 dia, 7.35 core. Rotor shaft, Black. Manufacturers 'slotted' End Plates (std. & thin versions) allowed at pinion end. Manufacturers later 'grooved' Al. End Plate with name engraved allowed at terminal end. | 5.10.09 |
| Speed Passion | 3.0 - 13.5R Pt.# SP138135V3 |  | Sensored system. "Y" Wind. Light Gun-Metal Aluminium End-Plates, SP & 13.5T etched. Light Gun-Metal stator sleeve with SP13.5T etched. Black sensor board. Black sintered rotor with one balance ring, 12.3 dia, 7.22 core. Adjustable timing 0-10. | 5.10.09 |
| GM | Brushless PRO. Pt.# 97294 |  | Sensored system. "Y" Wind. Dark Gun-Metal Aluminium End-Plates, GM-Racing etched. Dark Gun-Metal stator sleeve with S13.5T & Pt.# etched. Black sintered rotor, 12.3 dia, 7.2 core. Rotor with one balancing ring. | 5.10.09 |
| Nosram | Spec.' Storm Evolution Pt. No. 91840 |  | Sensored system. "Y" Wind. Black moulded End-Bell with XTEC. Red anodised ring. Chamfered mounting face. Sleeve etched "13.5 Turns". Sintered rotor, 12.3 dia, 7.35 core. Rotor shaft, Black. Manufacturers 'slotted' End Plates (std. & thin versions) allowed at pinion end. Manufacturers later 'grooved' Al. End Plate with name engraved allowed at terminal end. | 1.12.08 |

Paul Worsley. (EFRA Elec. Chairman). Last update 09.03.20.