



Sander de Graaf

888-84 Baan Aiyara,
Moo 7, Soi 3,
Tambon Johor Amphoe
30310 Nakhon Ratchasima
Thailand

muffler.homologation@efra.ws
+66 649690718

MUFFLER LIST 2024

March 3rd, 2024

Enclosed the new muffler list for 2024. Because of new rules that were made valid in 2013 the list will be different every year. Some of the older mufflers have disappeared and more will follow. From now on the responsibility on the noise production is up to the driver. Using one of the mufflers on the list does not mean that you are always within the limits. The noise production depends on a combination of motor/muffler/manifold/in-box/gearing/performance and body (exhaust hole in the body).

EFRA will measure noise limits from time to time at various races to show the drivers their noise production during the coming years. The measurement systems, the same as used in 5th scale from year to year are updated and modified when needed. Drivers that make too much noise (more than other drivers) can be instructed to check and change their motor/muffler/header combination and/or can be penalised. This is a different approach compared to the last 25-30 years however, this is the only solution to bring the level down or keep it within limits. All mufflers on the list will be valid for a period of 2 year and then a renewal by the manufacturer has to be made to EFRA again. This gives better control and the noisier mufflers will easily disappear in the future.

At the end of the list, you see samples with a picture of all the mufflers on this list. We have also listed some of the measurements here, including the weight. The weight is there to avoid the production of mufflers with thinner or different material. Thinner material normally will produce more noise. Within the next weeks pictures from all the mufflers with their dimensions and weight will be added to complete the list. Length and diameter are the maximum values. Some mufflers have a cosmetic change compared to those produced some years ago, which means they are slightly different looking, however functional measurements are still the same. See picture EFRA9901 as sample with extra reinforcement for tailpipe. **All SECTION CHAIRMEN have the drawings that belong to a muffler in their possession.** This way they can check dimensions on trackside.

Some brands sell the muffler with a fixed manifold, which is allowed. In case somebody is making an official claim to have a muffler checked and it needs to be cut open after consulting the section chairman remember you will need to pay for a brand-new muffler in case that specific muffler is according to the rules and drawings.

| Engraved number | 1/8th MUFFLERS for 2024 | type | valid till |
|-----------------|---|------|------------|
| EFRA9901 | NovaRossi/Gimar | | Dec-24 |
| EFRA2015 | NovaRossi/Gimar | | Dec-24 |
| EFRA2023 | SPM / Vega | | Dec-24 |
| EFRA2024 | SPM / Vega | | Dec-24 |
| EFRA2042 | OS Engines/ ProTek RC/ Mugen Seiki/ Bullitt/ S-Power/SMJ/RUDDOG/Victo Sport | | Dec-24 |
| EFRA2058 | Capricorn / XRD / DB ENGINE TECHNOLOGY /CRF | | Dec-24 |

EFRA General Secretary
Willy Wuyts
Herentalsesteenweg, 20
2220 Heist op den Berg Belgium
Mob: +32477 947 109
secretary@efra.ws




Handelsbanken, Box 135,
S-601 03 Norrköping Sweden
EUR IBAN SE 21 6000 0000 0000 43 202 799
USD IBAN SE 18 6000 0000 0000 43 202 659
Swift-Code: HANDSESS
Paypal @paypal.ws

| | | | |
|----------|---|----------|--------|
| EFRA2068 | Capricorn / XRD / DB ENGINE TECHNOLOGY | off road | Dec-24 |
| EFRA2069 | Hipex | | Dec-24 |
| EFRA2089 | OS Engines/ ProTek RC/ Mugen Seiki/ Bullitt/ S-Power/SMJ/RUDDOG/Victo Sport | | Dec-24 |
| EFRA2094 | MAX | | Dec-24 |
| EFRA2095 | Hipex (low noise pipe) | on road | Dec-25 |
| EFRA2098 | OS Engines/ ProTek RC/ Mugen Seiki/ Bullitt/ S-Power/SMJ/RUDDOG/Victo Sport | | Dec-24 |
| EFRA2099 | PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/RCCONCEPT/TRITON/SPower | | Dec-24 |
| EFRA2106 | HsiChia Co. Ltd / Weiken / Beta | off road | Dec-24 |
| EFRA2108 | Hipex | | Dec-25 |
| EFRA2109 | LRP/Nosram/Ongaro edition/WorksTeam Edition | off road | Dec-24 |
| EFRA2113 | REDS Racing | on road | Dec-24 |
| EFRA2115 | Hipex | | Dec-24 |
| EFRA2134 | Alpha / Argus | off road | Dec-24 |
| EFRA2135 | Hipex | | Dec-24 |
| EFRA2141 | Ultimate Racing | off road | Dec-25 |
| EFRA2142 | Ultimate Racing | off road | Dec-25 |
| EFRA2143 | REDS Racing, with and without fixed header | off road | Dec-25 |
| EFRA2146 | Hipex | off road | Dec-25 |
| EFRA2153 | PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/RCCONCEPT/TRITON/SPower | on road | Dec-24 |
| EFRA2154 | OSEngines/Nemo Racing/RUDDOG/Victo Sport | off road | Dec-24 |
| EFRA2155 | OS Engines/ ProTek RC/ Mugen Seiki/ Bullitt/ S-Power/SMJ/RUDDOG/Victo Sport | off road | Dec-24 |
| EFRA2156 | Flash Point RC | off road | Dec-24 |
| EFRA2159 | Alpha / Argus | | Dec-25 |
| EFRA2160 | MSE | | Dec-25 |
| EFRA2163 | Capricorn/One | | Dec-25 |
| EFRA2164 | Max | | Dec-24 |
| EFRA2165 | OS Engines/ ProTek RC/ Mugen Seiki/ Bullitt/ S-Power/SMJ/RUDDOG/Victo Sport | | Dec-24 |
| EFRA2166 | PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/RCCONCEPT/TRITON/SPower | off road | Dec-24 |
| EFRA2167 | Ruddog | off road | Dec-24 |
| EFRA2168 | FX | on road | Dec-24 |
| EFRA2169 | FX | offroad | Dec-24 |
| EFRA2170 | Tekno RC/BLOK | offroad | Dec-24 |
| EFRA2171 | ASM | | Dec-24 |
| EFRA2172 | iRacing | | Dec-24 |
| EFRA2173 | Capricorn/One | | Dec-25 |
| EFRA2174 | Hasi | | Dec-25 |
| EFRA2175 | Hasi | | Dec-25 |
| EFRA2178 | Gimar | | Dec-25 |
| EFRA2179 | Gimar | | Dec-25 |

| | | | |
|----------|---|----------|--------|
| EFRA2180 | Corsatec | | Dec-25 |
| EFRA2181 | NOVA ENGINES | on-road | Dec-25 |
| EFRA2182 | NOVA ENGINES | off-road | Dec-25 |
| EFRA2183 | MAX | | Dec-24 |
| EFRA2184 | DB Engine new muffler | | Dec-24 |
| EFRA2185 | lelasi Tuned, with and without fixed header | on-road | Dec-24 |
| EFRA2186 | lelasi Tuned, with and without fixed header | off-road | Dec-24 |
| EFRA2187 | Nova | | Dec-24 |
| EFRA2188 | Hipex | | Dec-24 |
| EFRA2189 | ASM | | Dec-24 |
| EFRA2190 | Gimar | | Dec-24 |
| EFRA2191 | One / Capricorn | | Dec-24 |
| EFRA2192 | InTech Engine | | Dec-24 |
| EFRA2193 | InTech Engine | | Dec-24 |
| EFRA2194 | Force Racing, M master, Jetko Power | new | Dec-25 |
| EFRA2195 | Gimar / NR2015 | new | Dec-25 |
| EFRA2196 | OS Engines | new | Dec-25 |
| EFRA2197 | Hipex | new | Dec-25 |
| EFRA2198 | Genius | new | Dec-25 |
| EFRA2199 | Genius | new | Dec-25 |
| EFRA2200 | Radiosistemi | new | Dec-25 |

| Engraved number | 1/10th MUFFLERS for 2024 | type | valid till |
|-----------------|---|---------|------------|
| EFRA2660 | NovaRossi/Gimar | on road | Dec-24 |
| EFRA2669 | Hipex | on road | Dec-24 |
| EFRA2670 | MAX | on road | Dec-24 |
| EFRA2672 | OS Engines/ ProTek RC/ Mugen Seiki/ Bullitt/ S-Power/SMJ/RUDDOG/Victo Sport | on road | Dec-24 |
| EFRA2673 | Hipex / low noise | on road | Dec-25 |
| EFRA2679 | PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/RCCONCEPT/TRITON | on road | Dec-24 |
| EFRA2681 | DB Engine | on road | Dec-25 |
| EFRA2688 | Hipex | on road | Dec-25 |
| EFRA2690 | OS Engines/ ProTek RC/ Mugen Seiki/ Bullitt/ S-Power/SMJ/RUDDOG/Victo Sport | on road | Dec-24 |
| EFRA2693 | Capricorn /One | on road | Dec-24 |
| EFRA2694 | Max power | on road | Dec-25 |
| EFRA2696 | FX | on road | Dec-24 |
| EFRA2697 | ASM | on road | Dec-24 |
| EFRA2698 | ASM | on road | Dec-24 |
| EFRA2699 | NOVA ENGINES | on road | Dec-25 |
| EFRA2700 | OS Engines | new | Dec-25 |
| EFRA2701 | lelasi Tuned | new | Dec-25 |

| molded number | INS Boxes for 2024 | | |
|----------------|--|-------|--------|
| EFRA-INS200101 | Serpent | 1/8th | 1/10th |
| EFRA-INS200201 | Picco box, also sold by R&B | 1/8th | 1/10th |
| EFRA-INS200401 | Mielke / Mugen Seiki | 1/8th | 1/10th |
| EFRA-INS200701 | NovaRossi | 1/8th | 1/10th |
| EFRA-INS200702 | Mielke modified / Mugen Seiki | 1/8th | 1/10th |
| EFRA-INS200901 | NovaRossi / R&B | 1/8th | 1/10th |
| EFRA-INS200902 | Serpent / Xceed / Max / OS Speed / R&B / Brillant RC | 1/8th | 1/10th |
| EFRA-INS200903 | modified NovaRossi (lower 200901) | 1/8th | 1/10th |
| EFRA-INS201001 | Hobby Pro / Team C | 1/8th | 1/10th |
| EFRA-INS201101 | Mielke | 1/8th | 1/10th |
| EFRA-INS201401 | NovaRossi | 1/8th | 1/10th |
| EFRA-INS202301 | PiraniRC | 1/8th | 1/10th |
| EFRA-INS202401 | Dim3nsion | 1/8th | 1/10th |

| | |
|-----------------------|---|
| EFRA9901 |  |
| NovaRossi | |
| Valid till 31-12-2017 | |
| 68,5 gramm | |
| 38 x 156mm | |
| tailpipe 26mm | |

Sander de Graaf / EFRA Muffler homologation officer.

