ARTICLE 5

5.1 Any motorcycle manufactured or imported by any entity shall comply with the following Energy Efficiency Standards:

| Class of vehicles engine displacement (cubic centimeters) | Energy Efficiency Standards (kilometers/liter) |
|---|---|
| Below 50 | 48.2 |
| Over 50 to 100 | 40.6 |
| Over 100 to 150 | 38.0 |
| Over 150 to 250 | 28.0 |
| Over 250 to 500 | 21.1 |
| Over 500 to 750 | 16.6 |
| Over 750 to 1000 | 15.8 |
| Over 1000 to 1250 | 14.7 |
| Over 1250 to 1500 | 13.1 |
| Over 1500 | 12.8 |

5.2 The combined energy efficiency value for motorcycles is calculated by the following equation:
Combined energy efficiency value (kilometers/liter, km/L) =

$$\dfrac{1}{\dfrac{0.6}{\text{Urban energy efficiency (km/L)}} + \dfrac{0.4}{\text{Constant speed energy efficiency (km/L)}}}$$

5.3 Effective from Jan.1, 2016 for manufactured or imported motorcycles by any entity to apply for vehicle type fuel economy certificates shall comply with the following requirements:

5.3.1 The sales weighted average energy efficiency value of the manufacturer sold vehicles shall be higher than the required sales weighted average energy efficiency target value.

5.3.2 The Sales Weighted Average Energy Efficiency Limits corresponding to different vehicle types prescribed by the required sales weighted average energy efficiency target value are as follows.

5.3.2.1 The Sales Weighted Average Energy Efficiency Limits effective from Jan. 1, 2016 till Dec. 31, 2021:

| Class of vehicle's engine displacement (cubic centimeters) | Sales Weighted Average Energy Efficiency Limits (kilometers/liter) |
|---|---|
| Below 50 | 54.5 |
| Over 50 to 100 | 46.7 |
| Over 100 to 150 | 43.8 |
| Over 150 to 250 | 31.0 |
| Over 250 to 500 | 26.5 |
| Over 500 to 750 | 18.7 |
| Over 750 to 1000 | 18.1 |
| Over 1000 to 1250 | 15.8 |

| | |
|---|---|
| Over 1250 to 1500 | 14.7 |
| Over 1500 | 14.1 |

5.3.2.2 The Sales Weighted Average Energy Efficiency Limits effective from Jan. 1, 2022:

| Class of vehicle's engine displacement (cubic centimeters) | Sales Weighted Average Energy Efficiency Limits (kilometers/liter) |
|---|---|
| Below 50 | 61.0 |
| Over 50 to 100 | 52.3 |
| Over 100 to 150 | 48.2 |
| Over 150 to 250 | 34.1 |
| Over 250 to 500 | 28.1 |
| Over 500 to 750 | 19.8 |
| Over 750 to 1000 | 19.2 |
| Over 1000 to 1250 | 16.7 |
| Over 1250 to 1500 | 15.6 |
| Over 1500 to 1750 | 14.9 |
| Over 1750 to 2000 | 14.3 |
| Over 2000 | 13.8 |

5.3.3 The sales weighted average energy efficiency value and sales weighted average energy efficiency target value prescribed in Subparagraph 5.3.1 shall be calculated by using the following formula:

5.3.3.1 The sales weighted average energy efficiency value:

$$\text{Sales weighted average energy efficiency value(km/L)} = \frac{\sum_{1}^{N} V_i \times W_i}{\sum_{1}^{N} \frac{V_i}{FC_i}}$$

i: manufactured or imported vehicle type's sequence number.

FCi: energy efficiency test value (km/liter) for manufactured or imported vehicle type i.

Vi: sales number (units) of manufactured or imported vehicle type i.

Wi : Correspond Credit Multiplier for Vehicle Type i.

5.3.3.2 The sales weighted average energy efficiency target value:

$$\text{Sales weighted average energy efficiency target value(km/L)} = \frac{\sum_{1}^{N} V_i}{\sum_{1}^{N} \frac{V_i}{T_i}}$$

i: manufactured or imported vehicle type's sequence number.

Ti: Sales Weighted Average Energy Efficiency Limits (km/liter) of the manufactured or imported vehicle type i in accordance with Subparagraph 5.3.2 of this Article.

Vi: sales number (units) of manufactured or imported vehicle type i.

5.3.4 The calculation of sales weighted average energy efficiency value and sales weighted average energy efficiency target value for vehicle entity with combined reporting or end of their combined reporting, the qualification for using annual sales weighted average energy efficiency value calculation and credit accumulation, and the handling process for vehicle entities failed to comply

with their required annual sales weighted average energy efficiency target value shall be in accordance with stipulations in Article 4.

5.3.5 For electric motorcycles being sold by the vehicle entity, the sales may be multiplied by 2.5 then being used for the calculation of sales weighted average energy efficiency value, and the previous provisions are also applicable. The energy efficiency test value for electric vehicle shall be rated by the competent authority in other provisions.