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$$E_x = \sum_{i=1}^n \left( FC_i \times NCV_i \times CC_i \times OF_i \times \frac{44}{12} \right)$$

*i*

*i*

*i*

$$E_x = AD \times EF$$



$$E = FC / \varphi \times E$$

$\varphi$

$$FC = (e_{sh} + E_{he}) \times P_{sh} \times 10^{-3}$$

$$E = NCV \times CC \times OF \times \frac{44}{12}$$

$$E_{he} = \omega \times 0.1229$$

$$E = \sum_{i=1}^n (FC_i / \varphi_i \times E_i)$$

$\varphi_i$

$$FC_i = FC_i \times NCV_i / NCV$$

$$E_i = NCV_i \times CC_i \times OF_i \times \frac{44}{12}$$

$$E = (W_{sh} - \omega) \times P_{sh} \times EF \times 10^{-3}$$

$$E_{sh} = e_{sh} + 0.1229 \times W_{sh}$$

(kgce/t)





