



Flexible search & filtering options

Select suitable e-motors based on individual preferences. Choose from 10,000 state-of-the-art PMSM geometries.



Efficiency maps

Compare complete e-motor maps across all operating points to reduce development time from one month to one week.

SUBSCRIPTION MODELS FOR AVL MOTBAS-E

| | Free Trail | Basic Package | Premium Package |
|-------------------------|------------|---------------|-----------------|
| Subscription model | x | v | v |
| Unlimited Data Access | x | v | v |
| Multiple Users | x | v | v |
| Extension Package | x | v | v |
| Technical Support (10h) | x | Optional x | v |
| Downloads | 10 | 500 | 1000 |
| Subscription Term | 30 Days | 1 Year | 1 Year |

FEATURES

- Standardized, high data quality, FEM-based e-motor efficiency maps
- Over 10,000 geometries forming the basis for consistent, preprocessed variant-comparison datasets (e.g. machine parameters, key performance indicators)
- Direct export for simulation and concept design (e.g. into MATLAB, Simulink, AVL Powertrain System Optimizer)
- Fast filtering and search functions for reliable feasibility assessments

BENEFITS

- 60%* reduction in development costs through fewer simulation loops and reduced tool-license needs
- 75%* reduction in design time thanks to fewer simulation loops and instant results
- Fast, well-founded feasibility decisions
- Shorter time-to-market through seamless integration in the e-motor development process
- Continuous, market driven dataset expansion

*All stated savings represent 'up to' values based on experience in the e-motor concept design phase.

AVL Software and Functions GmbH
Im Gewerbepark B29
93059 Regensburg
Germany

E-mail e-drive@avl.com
www.avl.com

