





TESLA MODEL S PLAID ELECTRIC DRIVE MODULE

Purchasers of this \$35,000 240+ page report will receive a cost assessment of the Electric Drive Module (EDM). The analysis includes the Front Motor, Rear Motor, Inverter, Front Gear Box and Rear Gear Box.

Report Includes:

- 1) Executive Summary with EDM Side-by-Side Comparison
- 2) Eye-Catching Features
- 3) Quick Cost Estimate Report
- 4) Cooling Diagrams

TESLA MODEL S PLAID EDM DESCRIPTION

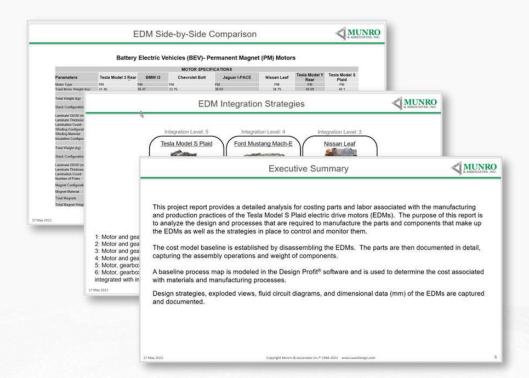
- 1,020-horsepower powertrain using three 250kW motors; a single front motor with a differential and dual rear motors with torque vectoring, powered by a 100kWh battery pack with a 396-mile range at 119/112 MPGe city/highway
- The Tesla Model S Plaid front and rear gearboxes have a gear reduction ratio of 7.54:1 from the motor to the driveshaft, decreasing from the 9.00:1 gear ratio seen in the Model Y
- This new motor assembly is capable of 20,000 rpm and provides up to 1,050 lb-ft of torque
- The front motor and both rear motors use identical rotors and stators





1. EXECUTIVE SUMMARY & SIDE-BY-SIDE COMPARISON

- The Executive Summary highlights the purpose and key points of each report including Munro's observations and cost summaries.
- Side by Side comparisons highlight prominent EVs and their associated specifications, features, integration strategies and other relevant data.

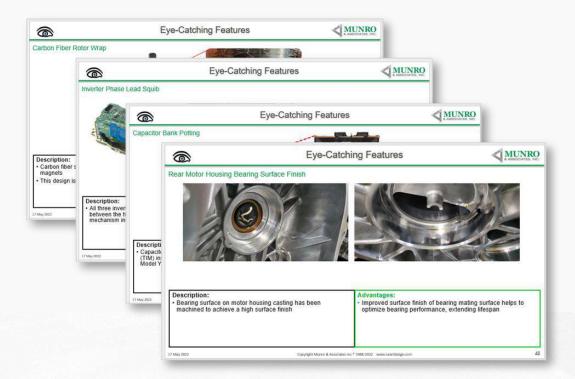






2. EYE-CATCHING FEATURES

 Munro identifies specific observations of interest called "Eye-Catching Features." These observations can represent advantages or disadvantages in cost, weight, feature content, or performance as related to design, material choice, assembly, or manufacturing process selection.





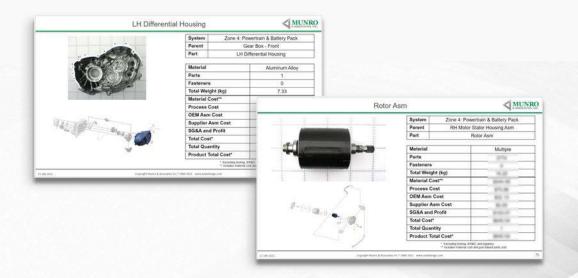


3. QUICK COST ESTIMATES

The EDM is broken down into systems and components for Quick Cost Estimating (QCE). QCE is Munro's proprietary methodology developed in response to the need for speed-driven results and is quickly gaining popularity. Quick Cost Estimates provide approximate costs in a timely fashion. While less accurate than detailed costing (also available from Munro), QCE allows OEMs and suppliers the ability to make sound comparisons and directional decisions expediently.

Douglas Richman - EPA Peer Reviewer from Kaiser Aluminum

"Munro is recognized as being technically competent, highly experienced, knowledgeable and creative in benchmarking and lean engineering of automotive and non-automotive systems. Costing models are thorough covering all elements of total production cost."

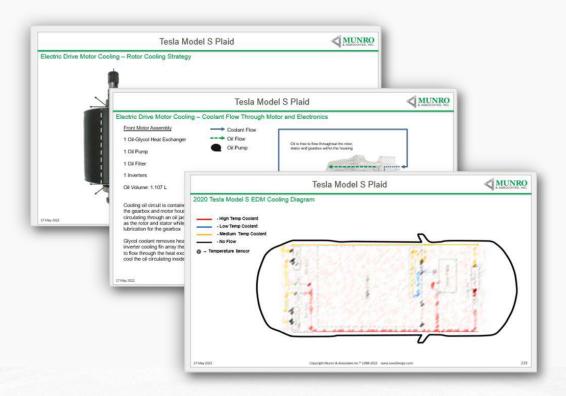






4. COOLING DIAGRAMS

 This report outlines the cooling lines and connections for coolant and refrigeration fluids. Both the heating and cooling circuits are illustrated







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- All reports and accompanying deliverables are made available for easy access through a secure File Transfer Protocol (FTP) site.
- A user-friendly PDF format ensures ease of viewing, sharing, and printing.
- The large reports feature a linked table of contents, allowing users to easily navigate the report contents and quickly locate specific data.





FREQUENTLY ASKED QUESTIONS

Were any OEMs involved in the study?

No. Neither Tesla nor any supplier's quoted costs were used in this study.

Is there any Tesla proprietary information in this report?

No. All data was developed through Munro's proven methodologies, obtained by analyzing Munro's purchased production-version Model S Plaid..

Are the components costed using country specific costing centers?

Yes. Munro uses country-specific labor rates and working patterns, factory floor costs, utility rates, and loan interest rates.

Is this a Costing or Pricing report?

This is a Costing Report. Pricing has too many variables.

How can I receive more details on the contents of the reports?

Questions regarding report contents should be sent to sales@leandesign.com Munro will respond with clarification, and if necessary, meet virtually to discuss and review. Complex and/or detailed requests may require additional consulting fees.

Are Sample reports available?

Sample reports are available. Please contact <u>sales@leandesign.com</u> Note: Some data may be redacted.