

CV Link™ Data Dictionary

Data Field Names and Descriptions

Grouping: OEM Details

Display Value	Description
OEM Name	Name of the OEM company and plant where the final production or applicable assembly occurs.
OEM Notes	Miscellaneous notes.
OEM Parent Name (majority)	Name of company with majority ownership of OEM.
OEM Percent Ownership	Parent company ownership portion of OEM in %.

Grouping: OEM Plant Details

Display Value	Description
OEM City	City where OEM Plant is located.
OEM Country	Country where the final production or where applicable assembly occurs. If, for example, Daimler Trucks produces a CKD kit in Worth, Germany and this kit is assembled in Iran then Germany will display at the OEM Country and Iran will display as the OEM Assembly Country.
OEM Email	OEM Plant contact information.
OEM Fax	OEM Plant contact information.
OEM Latitude	Latitude where OEM Plant is located.
OEM Longitude	Longitude where OEM Plant is located.
OEM Phone	OEM Plant contact information.
OEM Postal Code	OEM Plant contact information.
OEM Region	Region where OEM Plant is located.
OEM State	State where OEM Plant is located.
OEM Street Address	Street address where OEM Plant is located.
OEM Web Address	OEM Plant contact information.
OEM Web Address	OEM contact information.

Grouping: OEM Model Classification

Display Value	Description
Application	See Segment - Application - Product listing for values.*
Metric Weight Class	Metric equivalent of standard vehicle class (4 though 8).
Product	See Segment - Application - Product listing for values.*
Segment	See Segment - Application - Product listing for values.*

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Grouping: OEM Model Details

Display Value	Description
OEM Assembly Country (MHV Only)	Country where the vehicle assembly originated; for “Full” assembly type vehicles, the OEM Country and OEM Assembly Country are the same.
OEM Assembly Plant (MHV Only)	Name of OEM Assembly Plant is where the vehicle assembly originated; for “Full” assembly type vehicles, the OEM Name and OEM Assembly Plant are the same.
OEM Assembly Type (MHV Only)	Denotes Kit type (i.e. knockdown) production versus Full Production. Applicable to MHV segment only.
OEM Captive Engine Supply	Engine Supplier and OEM have same ownership.
OEM Configuration (MHV Only)	Denotes the truck design configuration as either COE (Cab-Over-Engine) or Conventional. Applicable to MHV segment only.
OEM Drive Type	Source of power for the vehicle or equipment. Please see ‘PSR OEM Drive Type Definitions’ document for specific definitions of each OEM Drive Type.
OEM Energy Storage	Using alternative OEM drive types, a key design element is using an Energy Storage device (i.e., Battery or Accumulator) to enable use of power only when needed – unlike with IC engine where the power must be used at the time it is produced.
OEM Engine Location (MHV Only)	Denotes the engine location as either Front or Rear. Applicable to MHV segment only.
OEM Model	Vehicle/Equipment model designation given by OEM.
OEM Model Brand	Badge name under which vehicle/equipment is sold.
OEM Model Comments	Miscellaneous notes.
OEM Model EOP	OEM model 'End of Production' year.
OEM Model SOP	OEM model 'Start of Production' year.
OEM Platform (MHV Only)	Grouping of current generation vehicles and their future replacement(s), based upon the commonality of their components and systems.
OEM Power Source 1	Primary base means of providing power to the equipment. Not the power as applied to the wheels but the base source of energy/power for the piece of equipment – like what an IC engine does in a traditional engine powered configuration.
OEM Power Source 1 Fuel	Fuel used by OEM Power Source 1 to derive power.
OEM Power Source 2	Secondary base means of providing power to the equipment. Not the power as applied to the wheels but the base source of energy/power for the piece of equipment – like what an IC engine does in a traditional engine powered configuration.
OEM Power Source 2 Fuel	Fuel used by OEM Power Source 2 to derive power.

Grouping: OEM Model Specifications

Display Value	Description
OEM Power HP	Vehicle/Equipment Rating.
OEM Power kW	Vehicle/Equipment Rating.
OEM Power RPM	Vehicle/Equipment Rating.

Grouping: Engine Supplier Details

Display Value	Description**
Engine Supplier Name	Supplier of engine model.

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Grouping: Engine Supplier Model Details

Display Value	Description**
Engine PSR Model	Model designation that includes specific reference codes.
Engine Supplier Model	Engine model designation given by supplier.
Engine Supplier Model Build Country	Country where engine model is produced.
Engine Supplier Model Build Region	Region where engine model is produced.
Engine Supplier Model EOP	Engine model 'End of Production' year.
Engine Supplier Model Series	Common 'family' designation of engine.
Engine Supplier Model SOP	Engine model 'Start of Production' year.

Grouping: Engine Supplier Model Specifications

Display Value	Description**
Engine Aspiration	Turbocharged or Supercharged or Naturally Aspirated.
Engine Bore (mm)	Engine cylinder bore measured in millimeters.
Engine Compression Ratio	The ratio of the volume between the piston and cylinder head before and after a compression stroke.
Engine Cooling	Cooling medium associated with each engine (Air or Water or Oil).
Engine Crankshaft Plane	Orientation of the engine crankshaft (Vertical or Horizontal plane).
Engine Cycle	Number of piston strokes in the engine combustion cycle.
Engine Cylinder Configuration	Engine cylinder arrangement.
Engine Cylinder Liners	Indicates type of cylinder liners (None or Wet or Dry).
Engine Cylinders	Number of combustion cylinders per engine.
Engine Displacement (liters)	Metric displacement (liters) of the engine cylinders.
Engine Fuel	Specific fuel used.
Engine Fuel System	Fuel delivery method (direct injection, carbureted, pressurized, etc.).
Engine Height (mm)	Maximum engine height in millimeters - does not include readily detachable equipment.
Engine Intercooling	Descriptive treatment of the charge air (Water-Air or Air-Air Cooling or None).
Engine Length (mm)	The maximum axial length dimension in millimeters through the axis of the crankshaft (fan to flywheel).
Engine Power HP (continuous)	Engine Continuous HP rating Per SAE DIN6270-A (diesel).
Engine Power HP (intermittent)	The intermittent horsepower rating per SAE J245 (gasoline) and DIN6270-B (diesel); also defined as the one-hour rating.
Engine Power RPM (intermittent)	Engine crankshaft speed at which Intermittent HP/kW rating is measured.
Engine Power kW (intermittent)	Metric conversion of Intermittent HP Rating.
Engine Stroke (mm)	Engine cylinder piston measured in millimeters.
Engine Torque (lb-ft)	Maximum rated engine torque per SAE J245 (gasoline) and SAE J270 (diesel) measured in foot pound-force.
Engine Torque (N-m)	Maximum rated engine torque per SAE J245 (gasoline) and SAE J270 (diesel) measured in Newton-meters.
Engine Torque RPM	Engine speed at which maximum torque is measured.
Engine Type	Designates basic design / ignition process: Diesel / Compression ignition or Gasoline / Spark ignition.

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Grouping: Engine Supplier Model Specifications (Continued)

Display Value	Description**
Engine Valves Per Cylinder	Total number of intake and exhaust valves per cylinder.
Engine Valvetrain	Designates the basic design of the engine intake and exhaust valve system.
Engine Variable Valve Technology	Variable Valve Timing (true or false).
Engine Weight (kg)	Engine model dry shipping weight in kilograms.
Engine Width (mm)	The maximum horizontal dimension (width) in millimeters perpendicular to the engine crankshaft.

Grouping: Fuel Cell Model Specifications

Display Value	Description
Fuel Cell – Battery Output (Volts)	Voltage produced by battery measured in volts.
Fuel Cell – Battery System Supplier	Manufacturer or supplier of the battery.
Fuel Cell – Battery Technology	Chemistry/type of the battery.
Fuel Cell – Drive Range On-Hwy (km)	Range a vehicle can travel before refueling in kilometers.
Fuel Cell – Electric Motor Model	Model name of the electric motor.
Fuel Cell – Electric Motor Supplier	Manufacturer or supplier of the electric motor.
Fuel Cell – Equivalent Battery Energy (KWh)	Energy density measured in kilowatt-hour.
Fuel Cell – Fill Time Range (Minutes)	Amount of time to fill the fuel cell tank in minutes.
Fuel Cell – Fuel Tank Capacity (Liters)	Amount of fuel that the tank can hold in liters.
Fuel Cell – Hydrogen Storage Volume (kg)	Storage capacity of hydrogen fuel cell in kilograms.
Fuel Cell – Model	Model name of the fuel cell.
Fuel Cell – Model kW	Output (in kilowatts) that a fuel cell model produces.
Fuel Cell – Number of Batteries	Total number of batteries used in OEM Model powered by Fuel Cell.
Fuel Cell – Number of Cells	Total number of cells used in the OEM Model powered by Fuel Cell.
Fuel Cell – Number of Motors	Total number of electric motors used.
Fuel Cell – Power Output (kW)	Kilowatts produced by the fuel cell at power capacity.
Fuel Cell – Run Time Range – Off-Hwy (Hours)	How long equipment can run before refueling (in hours).
Fuel Cell – Size L x H x W (mm)	Dimensions of fuel cell (length, height, and width) in millimeters.
Fuel Cell – Supplier	Manufacturer or supplier of the fuel cell.
Fuel Cell – Weight (kg)	Weight of fuel cell measured in kilograms.

Grouping: Battery Electric Model Specifications

Display Value	Description
Battery Electric – Amp Hours (Ah)	Amount of energy charge in a battery that enables one ampere of current to flow for 1 hour.
Battery Electric – Battery Output (Volts)	Voltage produced by battery measured in volts.
Battery Electric – Battery System Supplier	Manufacturer or supplier of the battery.
Battery Electric – Battery Technology	Chemistry/type of the battery.
Battery Electric – Battery Weight (kg)	Weight of the battery measured in kilograms.

CV Link™ Data Dictionary

Grouping: Battery Electric Model Specifications

Display Value	Description
Battery Electric – Charging Time Range (Hours)	Amount of time to charge the battery measured in hours.
Battery Electric – Drive Range On-Hwy (km)	How far the on-highway vehicle can travel before recharging in kilometers.
Battery Electric – Electric Motor Model	Model name of the electric motor.
Battery Electric – Electric Motor Supplier	Manufacturer or supplier of the electric motor.
Battery Electric – Motor kW	Kilowatts consumer by each electric motor installed in the OEM Model.
Battery Electric – Number of Batteries	Total number of batteries used in the OEM Model.
Battery Electric – Number of Motors	Total number of motors used in the OEM Model.
Battery Electric – Run Time Range – Off-Hwy (Hours)	How long the off-highway equipment can run before recharging (in hours).
Battery Electric – Standard Charging	Four different charging modes (Modes 1-4) as defined by international standard IEC 61851-1: <ul style="list-style-type: none">• Mode 1: Standard socket outlet - domestic installation.• Mode 2: Standard socket outlet with an AC EV supply equipment– domestic.• Mode 3: AC EV equipment permanently connected to an AC supply network.• Mode 4: DC EV Supply equipment (Dedicated DC EV supply equipment for EV fast charging).

Grouping: OEM Model Production History

Display Value	Description
Production Year	Historical, current and five-year production forecast.

Grouping: Emissions Data

Display Value	Description
Engine Emissions Certification Level	State (Tier) Emissions Certification
Engine Emissions Certifying Agency	Agency that regulates emissions
Engine Emissions Solutions Strategy	Technique to reduce emissions

* Refer to the *Segment, Application and Product Classification Guide* for more detail.

** More detailed information on relevant data items may be found in the *Engine Specifications Guide*.