

Unit Design Data

Diesel (Voluntary Reporting)

(Note: The NERC Board of Trustees approved the *GADS Task Force Report* ([dated July 20, 2011](#))ⁱ, which states that design data collection outside the required nine fields is solely voluntary. However, the GADS staff encourages that reporters report and update GADS design data frequently. This action can be completed by sending in this form to gads@nerc.net. GADS staff encourages using the software for design entry and updating.

Instructions

Submit the data in this section once during the life of each diesel unit. If a major change is made to a unit which significantly changes its characteristics, then resubmit this section with updated information.

For coded entries, a (9) is entered to indicate an alternative other than those specified. Whenever a (9) is entered, write the column number and the answer on the reverse side of the form.

If a copy of the original form is being submitted, make sure that it is legible.

Utility name:

Station name:

Unit name:

Location of unit (State):

Energy Information Administration (EIA) Number:

Regional Entity:

Subregion:

Data reporter:

Telephone number:

Date:

GENERAL DATA

<input type="text"/>	<input type="text"/>	<input type="text"/>
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Col. No.
01 Utility identification number

<input type="text"/>	<input type="text"/>	<input type="text"/>
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04 Unit identification number

4	1
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07 Card code

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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09 Columns 09 through 12 are blank

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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13 Year unit first paralleled for load

<input type="text"/>	<input type="text"/>
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17 Month unit first paralleled for load

<input type="text"/>	<input type="text"/>
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19 Day unit first paralleled for load

DIESEL ENGINE DATA

<input type="text"/>

21 Diesel engine manufacturer – (1) General Motors; (2) General Electric; (3) Consolidated Diesel Electric; (4) Allis Chalmers; (5) Caterpillar Tractor; (6) Cummins; (7) Fairbanks Morse; (9) Other

<input type="text"/>

22 Fuel, type – (1) No. 2 fuel oil; (2) Diesel oil; (3) JP 5 fuel; (4) Kerosene; (5) Heavy oil; (9) Other

<input type="text"/>	<input type="text"/>
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23 Cylinders, number per engine

<input type="text"/>

25 Cycle, type – (1) 2-stroke; (2) 4-stroke; (9) Other

<input type="text"/>

25 Startup system, type – (1) Automatic, on site; (2) Automatic remote; (9) Other

<input type="text"/>	<input type="text"/>	<input type="text"/>
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27 Time for normal cold start to full load in seconds

<input type="text"/>	<input type="text"/>	<input type="text"/>
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30 Time for emergency cold start to full load in seconds

<input type="text"/>

33 Coolant, type – (1) Water; (2) Oil; (3) Air; (9) Other

<input type="text"/>	<input type="text"/>	<input type="text"/>
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34 Columns 34 through 80 are blank

<input type="text"/>	<input type="text"/>	<input type="text"/>
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01 Utility identification number

DIESEL ENGINE DATA (Continued)

<input type="text"/> <input type="text"/> <input type="text"/>	04	Unit identification number
<input type="text" value="4"/> <input type="text" value="2"/>	07	Card code
<input style="background-color: #cccccc; width: 20px; height: 15px; display: inline-block; margin-right: 5px;" type="text"/> <input style="width: 20px; height: 15px; display: inline-block; margin-right: 5px;" type="text"/> <input style="background-color: #cccccc; width: 20px; height: 15px; display: inline-block;" type="text"/>	09	Columns 09 through 80 are blank

GENERATOR DATA

<input type="text"/> <input type="text"/> <input type="text"/>	01	Utility identification number
<input type="text"/> <input type="text"/> <input type="text"/>	04	Unit identification number
<input type="text" value="4"/> <input type="text" value="3"/>	07	Card code
<input style="background-color: #cccccc; width: 20px; height: 15px; display: inline-block; margin-right: 5px;" type="text"/> <input style="background-color: #cccccc; width: 20px; height: 15px; display: inline-block; margin-right: 5px;" type="text"/> <input style="background-color: #cccccc; width: 20px; height: 15px; display: inline-block; margin-right: 5px;" type="text"/> <input style="background-color: #cccccc; width: 20px; height: 15px; display: inline-block; margin-right: 5px;" type="text"/> <input style="background-color: #cccccc; width: 20px; height: 15px; display: inline-block;" type="text"/>	09	Columns 09 through 13 are blank
<input type="text"/> <input type="text"/>	14	Manufacturer – (see table of Manufacturers, page E-123)
<input type="text"/>	16	Type – (1) Three-phase, 60-cycle; (9) Other
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	17	Nameplate voltage to nearest one-tenth KV
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	21	Nameplate capability MVA, first shaft
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	25	Speed in RPM, first shaft
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	29	Nameplate capability MVA, second shaft if any
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	33	Speed in RPM, second shaft if any
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	37	Nameplate capability MVA, third shaft if any
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	41	Speed in RPM, third shaft if any
<input type="text"/> <input type="text"/>	45	Nameplate power factor in percent
<input type="text"/>	47	Cooling medium, stator/rotor – (1) Air/air; (2) Hydrogen/ hydrogen; (3) Oil/hydrogen; (4) Water/hydrogen; (9) Other
<input type="text"/>	48	Cooling method, stator/rotor – (1) Intercooled/intercooled; (2) Conventional/conventional; (3) Intercooled/conventional; (9) Other
<input type="text"/> <input type="text"/>	49	Hydrogen pressure in PSIG at nameplate MVA, if applicable

GENERATOR DATA (Continued)

- 49 Number of exciters required by the unit for normal operation at rated Output
- 52 Type normal exciters - (1) Rotating DC generator; (2) Rotating alternator rectifier; (3) Static; (9) Other
- 53 Type drive for normal exciters, if rotating – (1) Shaft direct; (2) Shaft gear; (3) Motor; (9) Other
- 54 Number of spare exciters available to the unit
- 55 Enter (1) if more than 50% of generator is outdoors
- 56 Name of Unit (Columns 56-80)
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ⁱ http://www.nerc.com/pa/RAPA/gads/MandatoryGADS/Revised_Final_Draft_GADSTF_Recommendation_Report.pdf