

Pump Loading and TVA Data Sheet

1. For sizing your pump drive based on pump loading (not engine torque) or if you choose to perform TVA through Durst, please fill out the following information:

PUMP INFORMATION	Pad 1	Pad 2	Pad 3	Pad 4	Pad 5	Pad 6	Pad 7	Pad 8
Pump Manufacturer								
Pump Model								
Displacement Max, CIR								
Pump Flow, GPM								
Standby Pressure, PSI								
Operating Pressure, PSI								
Relief Pressure, PSI								
Inertia (Lb-ft ² or kg-m ²)								
SAE Flange Size								
Shaft Spline Details								

PIGGY BACK #1 PUMP INFORMATION	Pad "1a"	Pad "2a"	Pad "3a"	Pad "4a"	Pad "5a"	Pad "6a"	Pad "7a"	Pad "8a"
Pump Manufacturer								
Pump Model								
Displacement Max, CIR								
Pump Flow, GPM								
Standby Pressure, PSI								
Operating Pressure, PSI								
Relief Pressure, PSI								
Inertia (Lb-ft ² or kg-m ²)								
SAE Flange Size								
Shaft Spline Details								

PIGGY BACK #2 PUMP INFORMATION	Pad "1b"	Pad "2b"	Pad "3b"	Pad "4b"	Pad "5b"	Pad "6b"	Pad "7b"	Pad "8b"
Pump Manufacturer								
Pump Model								
Displacement Max, CIR								
Pump Flow, GPM								
Standby Pressure, PSI								
Operating Pressure, PSI								
Relief Pressure, PSI								
Inertia (Lb-ft ² or kg-m ²)								
SAE Flange Size								
Shaft Spline Details								

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DUTY CYCLE ANALYSIS			OUTPUT TORQUE (ft-lb) AT EACH PUMP PAD							
Condition	Input RPM	% Time	Pad 1	Pad 2	Pad 3	Pad 4	Pad 5	Pad 6	Pad 7	Pad 8
1										
2										
3										
4										
5										
6										
7										
8										

2. The following info is for TVA only. Please **STOP** here if you choose not to do TVA through Durst. Otherwise please continue:

Engine Fuel Type: Diesel Gasoline Engine Nat'l Gas Dual LP

Engine Serial #: Arrangement #: HP Rating @ RPM:

Low Idle Speed: High Idle Speed: Operating Speed Range:

Mass elastic model to include flywheel and housing drawings, front damper performance, engine performance curve, all reciprocating weights to be included.

W Joint Driveshaft Model: Operating Angle: Dynamic Balance Spec:

Overall Stiffness: Inertia: Drawing:

Front Mounted on Engine Damper Auxiliary Equipment:

Provide general layout drawing of all components and include their manufacture, model number, rating, couplings, clutches, u-joints, etc. Provide as much mass elastic data as possible for each item.

Sketch of overall installation showing location of each component.

