



LOTUS MIXERS INC.

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Mixer Application Data Sheet

This data sheet has been designed to aid in the preparation of proper quotations for our customers. Please try to fill in each field to the best of your customer's ability. The more accurate this sheet is filled out the better our selection will be for our customer's application.

Customer Information

Contact Name	
Company	
Street	
City, State Zip Code	
Phone	
Fax	
Email	

Mixer Information

Customer Project Reference	
Tank Identification Number	
Number of mixers required	
Is this a new application?	Yes or No
If no, who was the original mixer manufacturer?	
If no, what was the original supplier's gearbox, seal type, impeller(s) type/size, etc.?	
Is this an upgrade or change in process or direct replacement?	
What was the history with the currently installed mixer? Age, maintenance, problems	

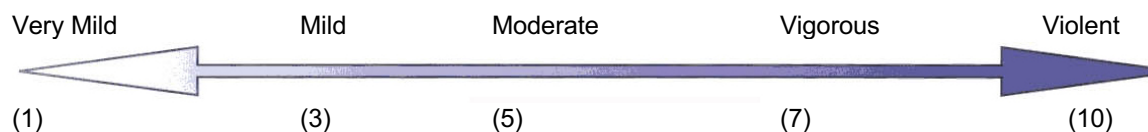
Type of Process (Check All That Apply)

Blending		Dissolving	
Heat Transfer		Mass Transfer	
Solids Suspension		Solids Dispersion	
Gas Dispersion		Crystallization	
Neutralization		Polymerization	
Extraction		Other	

Type of Mixer (Please Check One)

Top Entry		Side Entry (fixed angle)	
Bottom Entry		Side Entry (variable angle)	
Static Mixer		Magnetic Drive Mixer	
High Shear Mixer		Dispersion Mixer	
Helix Corn Mixer		Draft Tube Mixer	
In-line Pipe Mixer		Scraper Mixer	
Dual Motion Reducer		Double Shaft Dispersion Mixer	
Aerator		Other	

Degree of Agitation



Process Data Requirement

Fluids	% of Mixture	Viscosity (cps)	Specific Gravity	Weight % Solids
Final Mixture				
Blend, Retention, Heating, Cooling Cycle Time				

Process Parameters (Temp., Pressure, Volume) Please include units

Operating and Design Pressures	(O)	(D)
Operating and Design Temperatures	(O)	(D)
Maximum Operating Volume		
Minimum Operating Volume		
Normal Operating Volume		

Vessel Information

Tank Diameter	
Open or Closed Top?	
If closed top, (dish, cone, flat, spherical, etc.) what type of head? Bottom head type (dish, cone, flat, spherical, etc.)?	
Vessel Straight Side Measurement	
Overall distance from the mixer mount to the vessel bottom?	
Are there baffles in the tank? If so, how many, what is their width, type, wall clearance)?	

Motor Details

Motor Class (TEFC, Explosion Proof Class1 Group D, etc.)	
Voltage/Cycle/Phase (460v/60hz/3ph)	
Additional Requirements (drip cover, special coating, etc.)	

Mechanical Details

Materials of construction for wetted parts (carbon steel, 304 stainless steel, 316 stainless steel, etc.)	
Materials of construction for the hardware	
Does the shaft require a sealing system (packing, single/double mechanical seal, magnetic drive)?	
If a mechanical seal is required, does the customer want a wet running, dry running or gas barrier seal?	
Are the wetted parts polished?	Yes or No
If polished, what is the desired finish (Ra)?	