

CAPACITY AND UTILITIES

The evaporator is designed in accordance with the following:
Based on specification 8/17/07

	<u>Maximum</u>	<u>Average</u>
Feed Stock	CORN	CORN
Feed Rate – LBS/HR	264,495	240,450
Feed % Total Solids	7.81	7.81
Feed % Dissolved Solids	6.57	6.57
Feed % Suspended Solids	1.24	1.24
Feed Temperature - °F	182	182
Product Rate – LBS/HR	59,020	53,655
Product % Total Solids	35.0	35.0
Product Temperature - °F	180	180
Evaporation Rate – LBS/HR	205,475	186,795
Steam Rate to First Effect – LBS/HR	35,200	29,800
Steam Pressure – PSI ABS @ Inlet flange (Dry & Saturated)	14.696	14.696
Flash Process Water Vapor Rate – LBS/HR	25,610	25,610
Temperature °F Saturated (At Evaporator Flange Connection)	185	185
Process Water Rate - LBS/HR	63,090	63,090
Process Water Liquid Temperature - °F At Evaporator Flange Connection	194	194
Auxiliary Flash Process Water Vapor	N/A	N/A
Condensers Water Rate – GPM	10,200	9,000
Condenser Water Temperature Inlet °F	90	90
Condenser Water Temperature Outlet °F from SC-2	105	105

Note: Evaporator sizing and capacity is based on typical international dry mill Corn stillage with properly operating centrifuges performing within Standards.