

Input data for glass furnace model

Particulars	Values
Type of glass	Container / Float glass / Opal Glass (Lighting)/Laboratory Glass (Borosilicate)/ Tableware (Bohemian crystal)
Glass furnace capacity	_____ tons/day
Average Furnace draw	_____ tons/day
Average fuel consumption	Lit /day for Furnace oil m ³ /day for natural gas
Melting area	
Length to width ratio of furnace	
Superstructure side wall height	_____ mm
Type of firing	Cross / End fired
Glass color	Flint glass / Colour glass
% of Cullet in raw material	_____ %
% of Oxygen at furnace outlet	_____ %
Type of batch (wet / dry)	_____
Furnace operating pressure	_____ mm of H ₂ O
Total number of burners	
Reversal time period	_____ min
Fuel used	Natural Gas/ Furnace Oil
Average Fuel calorific value	_____ kcal/ kg or scm
Typical Glass composition	

Input data for regenerator model

Particulars	Values
Regenerator brick height	mm
Regenerator brick length	mm
Regenerator brick Thickness	mm
Regenerator height	m
Regenerator length	m
Regenerator width	m
Checkers packing arrangement	Straight smooth / Staggered / Basket weave
Number of regenerator passages	