

NOMENCLATURE

COP	coefficient of performance refrigeration
\dot{Q}	heat flow
\dot{W}	total energy
\dot{m}	mass flow rate
C_p	heat capacity
T	Temperatur
\dot{V}	volume flow rate
E_s	saturation vapor pressure
C	coefficient
eso	Herman Wobus constant (6.1078)
P	air pressure
P_v	pressure of water vapor
E_s	saturation vapor pressure
T_d	dew point temperature
P_v	water vapor pressure
R	universal gas constan
\vec{v}	air velocity
SS	squared deviations number
γ	average response
MS	mean square deviation in the ANOVA table
DF	degree of fredom
$C\%$	contribution of each factor
S	each factor

Greek symbols

ρ	density
ε	fraction

Subscripts

ref	refrigeration
c	cold
$outc$	cold temperatures come out
$outh$	hot temperatures come out
in	inlet
cn	cold outlet variable to n
$c\ max$	cold outlet maximum conditions
Tot	total number
F	because of each other
E	due to error
j	for the j^{th} experiment
m	for all experimental conditions
t	MS for a term
et	MS for the error term
Z	total Sum
A, B, C	each vaktor to A, B, C, . . .
op	optimal predictive