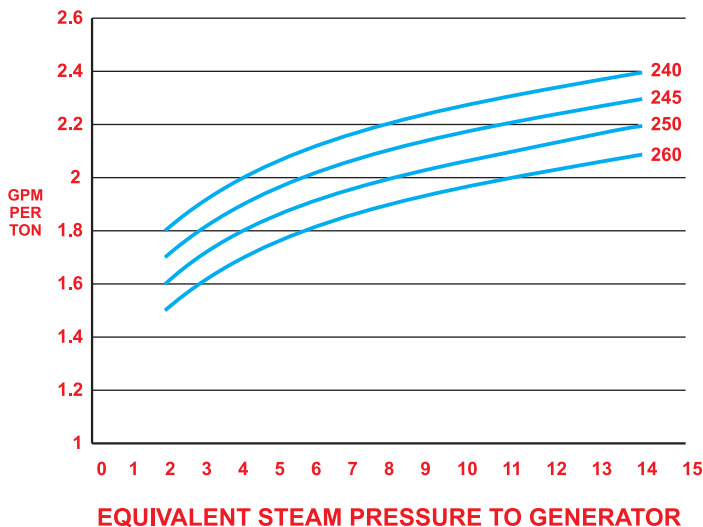


**SARI PUYA MODEL SSE <sup>H</sup> & SSE <sup>W</sup>**

Hot Water Selection Unit Instructions

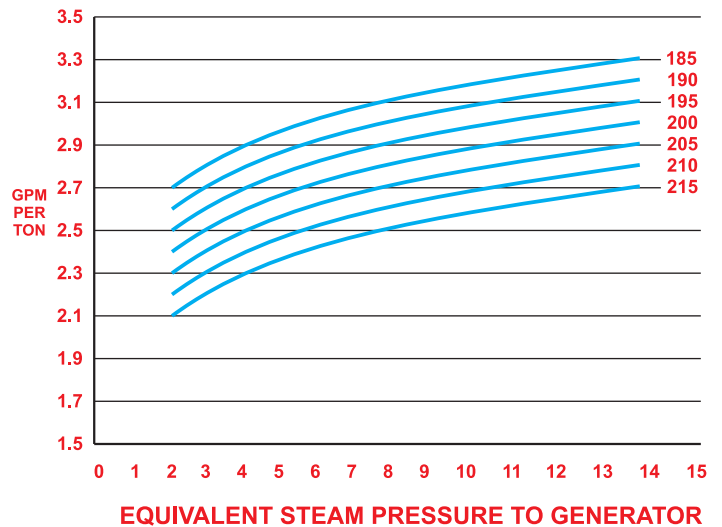
- 1- Determine required equivalent Steam pressure to generator according the procedure of Steam unit selection Step 1 thru 4.
- 2- Required Hot Water GPM/TON  
 Using the equivalent generator Steam pressure and Hot Water inlet temperature , and enter them to curve fig- 4, then read the required Hot Water GPM/TON
- 3- Hot Water required = TON x GPM/TON
- 4- Heat input to generator = TON x 18.7 x 965
- 5- Hot Water Range =  $\frac{\text{Generator Heat}}{500 \times \text{Hot Water GPM}}$
- 6- Leaving Hot Water Temp.= Entering Hot Water Temp. - Hot water range
- 7- Heat input to Evaporator = TON x 12000
- 8- Total Heat Rejection = Evaporator Heat + Generator Heat
- 9- Cooling Water Range =  $\frac{\text{Total Heat Rejection}}{500 \times \text{Cooling Water GPM}}$
- 10- Leaving cooling water temp = Entering Cooling Water Temp.+ Cooling Water Range

**HOT WATER SUPPLY TEMP. °F**



**FOR MODEL SSE H  
 FIG . 4-a**

**WARM WATER SUPPLY TEMP. °F**




**FOR MODEL SSE W  
 FIG . 4-b**

**HOT WATER UNIT SELECTION SARI PUYA SSE  & SSE  MODELS.**

Design conditions :

- 1.Design load .....Ton
- 2.Chilled water .....GPM
- 3.Leaving/Entering chilled water (...../..... °F)
- 4.Max Eva PD .....
- 5.Cooling water ..... GPM
- 6.Entering/Leaving cooling water temp (...../..... °F)
- 7.Max Absorber and Condenser PD .....
- 8.Hot Water Supply Temp. (...../..... °F?)

 **Step1)Machine Size Selection :**  
 SSE .....

 **Step2)Select Chilled and Cooling Passes Arrangement :**  
 .....pass Eva .....feet PD  
 .....pass Abs. &1 pass cond.....feet PD  
 ..... pass Gen ..... Feet PD

 **Step3)Check Design Load :**  
 At the

LCWT .....°F & ECWT .....°F, refer to unit rating table(2)  
 the available load at the .....psig steam pressure will be.....Ton  
 Then :.....Ton .....Ton then .....

- 1. Equivalent Steam Pressure.....psig
- 2. Required Hot Water .....GPM/Ton
- 3. Hot Water Required = .....Ton x .....GPM/Ton = .....GPM
- 4. Heat input to Gen. = .....Ton x 18.7 x 965 = ..... Btu/hr
- 5. Hot Water Range =  $\frac{\text{Heat input to Gen.}}{500 \times \text{.....GPM}}$  = ..... °F
- 6. Leaving Hot Water Temp.= EHW Temp..... °F - HW Range..... °F=..... °F
- 7. Heat input to Eva. ....Ton x 12 000 = ..... Btu/hr
- 8. Total Heat Rej = Eva Heat .....+ Gen Heat ..... = ..... Btu/hr
- 9. Cooling Water Range =  $\frac{\text{T.H.Rej.}}{500 \times \text{.....Cooling GPM}}$  = ..... °F
- 10. Leaving Cooling Water Temp = ECWT..... °F + CWR ..... °F =..... °F Then .....