

Containerized Biomass Fueled Absorption Chiller (10 RT – 30 RT)

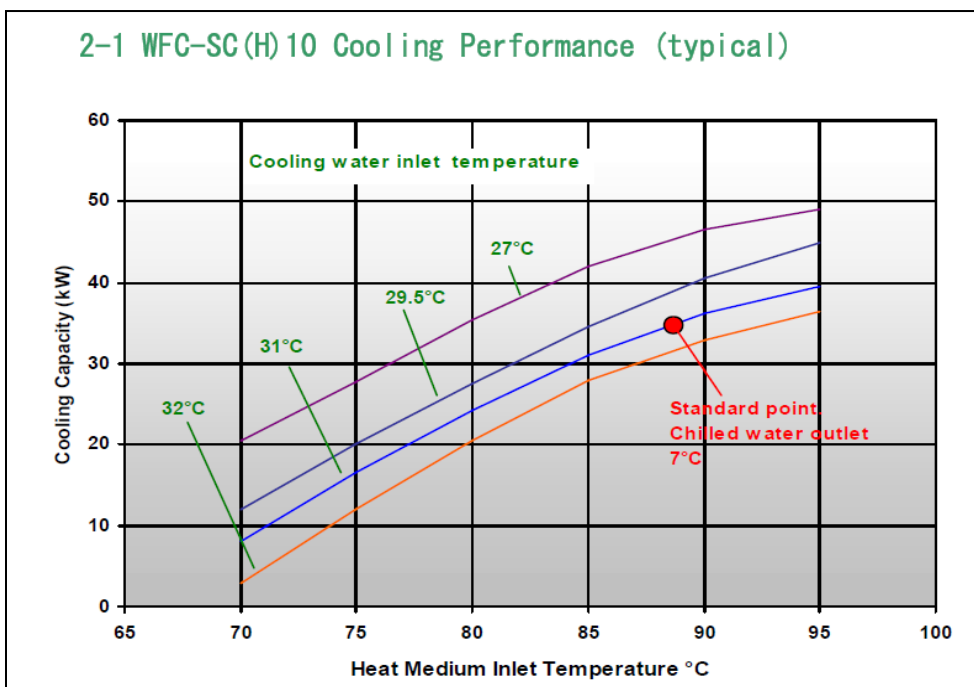
Larger systems are made as permanent installations; max seize > 1,000 RT (> 3,500 kW cooling)



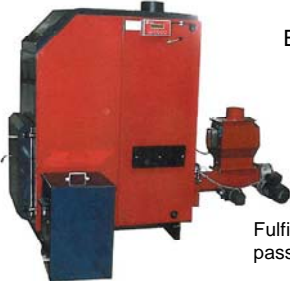
Fuel Feeding is at the hatch in the upper right corner of the container

Containerized Biomass fuelled 10 RT Absorption Chiller

Performance Curve for 10 RT (35 kW cooling capacity) single effect absorption chiller (YAZAKI)



**Automatic Biomass fired
 Hot Water Boiler
 from KSM-Stoker**



Boiler efficiency = 92-97 %
 Particulate = 14 mg/MJ
 CO = 34 mg/MJ
 NOx = 136 mg/MJ

Fulfills the requirements for a car to pass the environmental test in DK!



Programmable Boiler Control



Start the Fuel Feeding



View from Underneath the Silo

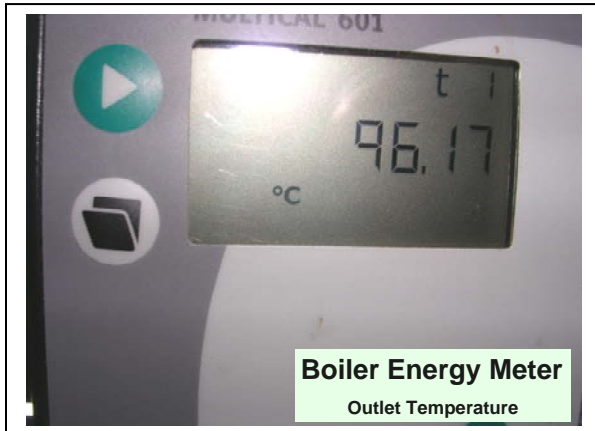




50 kW Automatic Biomass Boiler from KSM-Stoker



10 RT (35 kW) Automatic Hot Water Operated Chiller from Thermax



Comparative overview
30 RT (100 kW) 4,380 hours/year
 More operation hours means lower cooling costs

Air Con System	Investment in THB	Lifetime in years	Cooling cost THB/RTh	CO2 emission ton/year
Split Type Air cons	420,000	10	10.07	142.3
Package Type	2,000,000	20	8.35	61.3
Biomass Absorption	6,500,000	20	6.63	13

In Denmark we used to say:

"Everybody is talking about the weather, but nobody is doing anything about it!"

Now we can say that we've started doing something about it!

A small contribution to minimize the impact of the Climate Change!

And a 15 % contribution/ saving to your wallets!