Hall 4A

CHILLVENTA

Chillventa Specialist Forums 2022
Chillventa Fachforen 2022

CONNECTING EXPERTS.

How to easily select the best product for your application – with The Sabroe Sales and Selection Tools

Simon Stubkier, Product Manager Sales Tools, Heat Exchangers and Vessels

Johnson Controls Denmark

The power behind **your mission**

Presenter

Simon Stubkier

Product Manager

Sales Tools, Heat Exchangers, and Vessels

Working for Johnson Controls since 2013 with a focus on heat exchangers and tools for configuring refrigerant and heat pump systems.

Solutions built on industry leading products

We are a leading OEM supplier of reciprocating and screw compressors, chillers for standard and low temperature applications, heat pumps, and control systems.

Sales Tools: Why do we need them?

Sales Tools: The link between products and client demands

SabroeChill

SabroeScrew

SabroeVesse

SabroeHex

SabroeFreeze

SabroeRecip

SabroeHeat

SabroeCustom

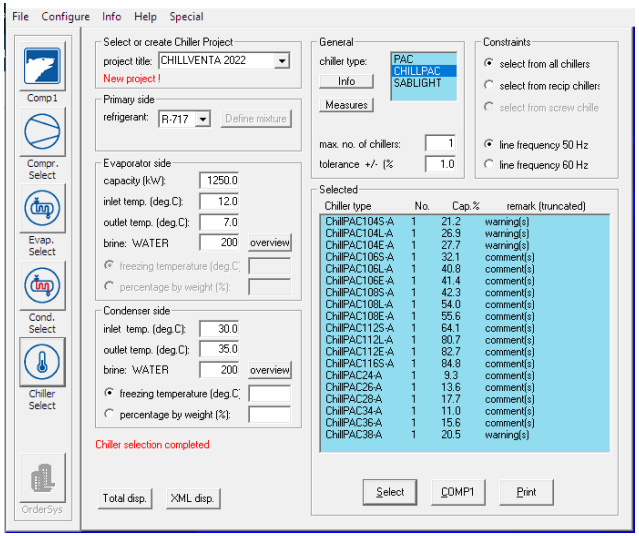
Sales Tools: Product Selection made Easy

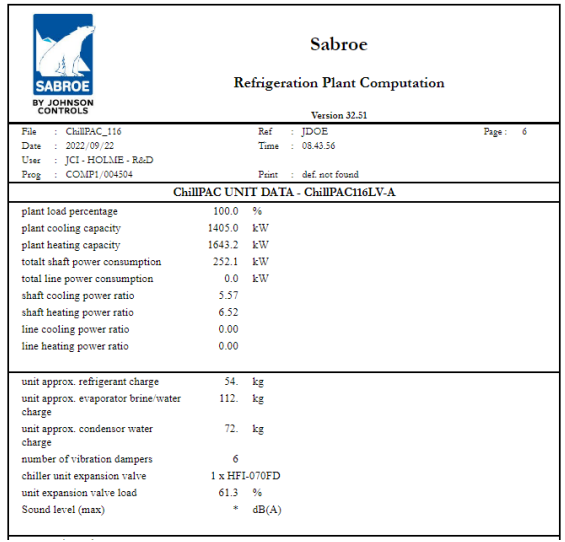
Capacity demand
- Cooling: 1250 kW
- Heating

Temperature demand
- Source: 12°C/7°C
- Sink: 30°C/35°C

Requirements
- SEPR
- Max 75 kPa dP

Sales Tools: Product Selection made Easy





SABROE
BY JOHNSON CONTROLS

Sabroe

Refrigeration Plant Computation

Version 32.51

File	: ChillPAC_116	Ref	: JDOE
Date	: 2022/09/22	Time	: 08.43.56
User	: JCI - HOLME - R&D		
Prog	: COMP1/004504	Print	: def. not found

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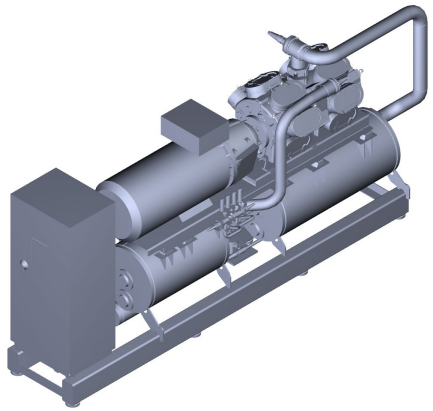
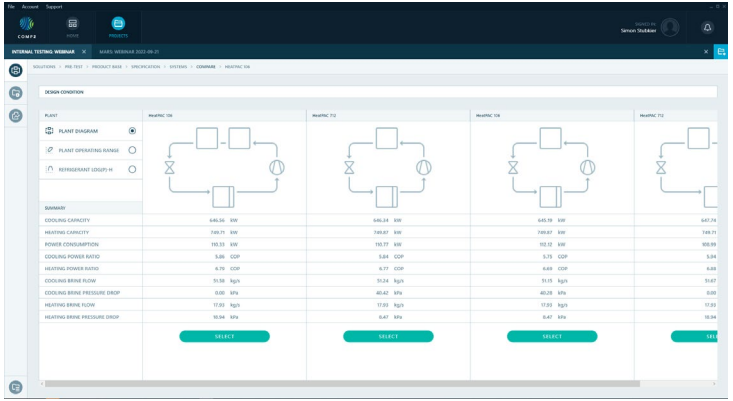
ChillPAC UNIT DATA - ChillPAC116LV-A

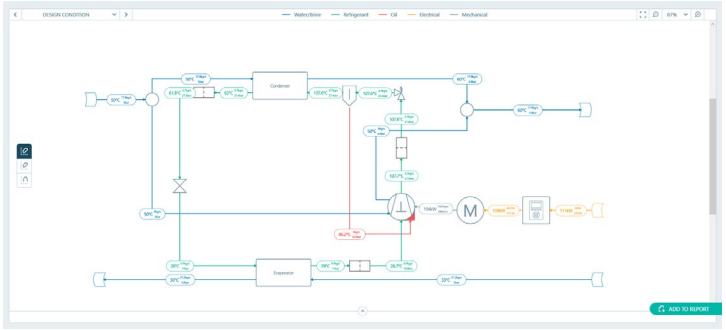
plant load percentage	100.0	%
plant cooling capacity	1405.0	kW
plant heating capacity	1643.2	kW
totalt shaft power consumption	252.1	kW
total line power consumption	0.0	kW
shaft cooling power ratio	5.57	
shaft heating power ratio	6.52	
line cooling power ratio	0.00	
line heating power ratio	0.00	

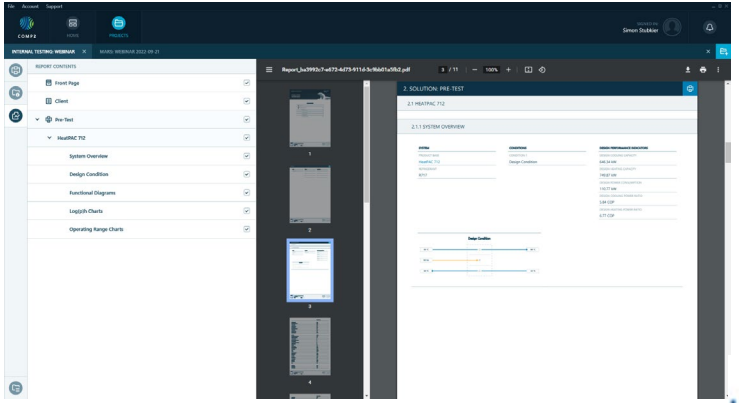
unit approx. refrigerant charge	54.	kg
unit approx. evaporator brine/water charge	112.	kg
unit approx. condensor water charge	72.	kg
number of vibration dampers	6	
chiller unit expansion valve	1 x HFI-070FD	
unit expansion valve load	61.3	%
Sound level (max)	*	dB(A)



Sales Tools: Product Selection made Easy







Inhouse software team, R&D test center and EOL test center

R&D Lab test components

R&D Lab test package

Release to market

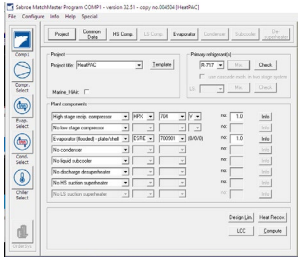
End of Line Testing

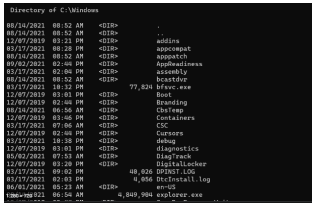
Market feedback

Product enhancements

Continuous updates

Where did we start and where are we heading?





Want to know more? Visit us at booth 329 in hall 7

Specialist forum: Wed 11-11:20
Hall 7A Booth 7A-616

Refrigeration is driving our civilization, but the new world requires a new environmental destination

Specialist forum: Wed 15-15:20
Hall 4A Booth 4A-401

Driving decarbonization with Sabroe heat pumps

Specialist forum: Thu 11:40-12
Hall 7A Booth 7A-616

How you can use digitalization in industrial refrigeration to reduce carbonization and total cost of ownership

Specialist forum: Wed 11:40-12
Hall 9 Booth 9-550

District heating with R-717 heat pumps using river water

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