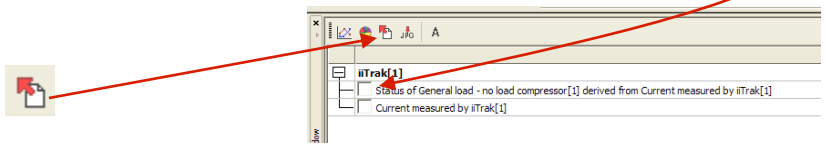
ME BOX Configurator

- **STEPS to export the data to ACMBPG95**

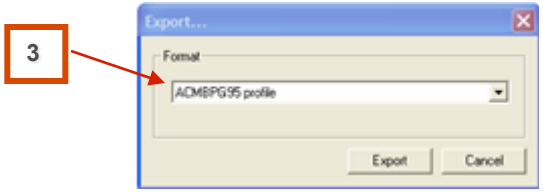
1. **Select one (or more) of the functions**
   - **« Status of General Load-Noload Compressor »**
   - **« Status of General VSD – Modulating Compressor »**
   - **« Status of General VSD no unloader »**

The selection order is important for the export. First function selected will be exported as the first machine of ACMBPG95.

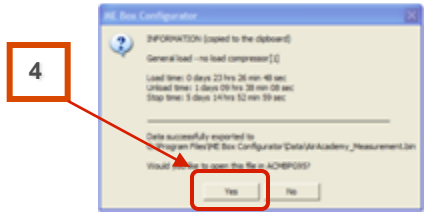
2. **Click on the Export**



3. **Chose the ACMBPG95 profile**



4. **Chose to open ACMBPG95**



SHOW ANIMATION

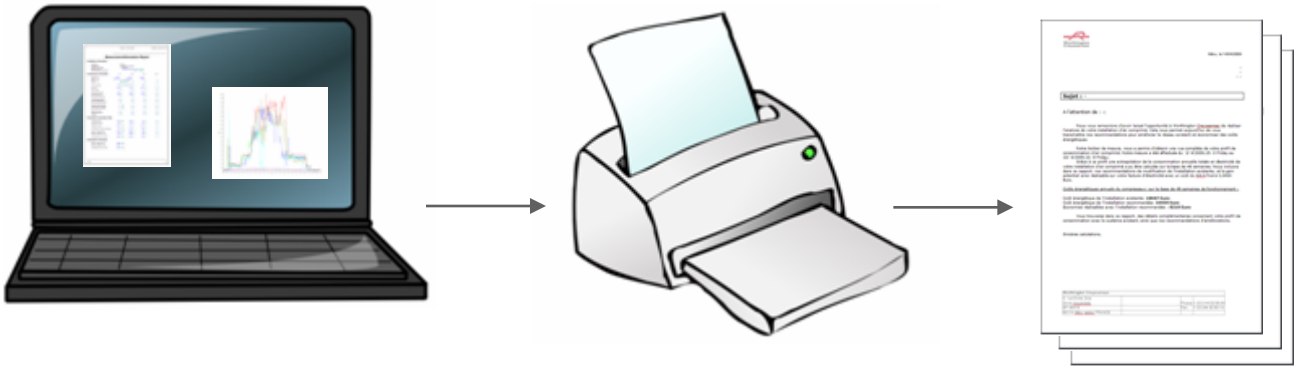
Agenda

- Goal of the training
- What is the iiTRAK
- Why do I need the iiTRAK
- How does it work
- ME BOX CONFIGURATOR
- **ACMBPG95**
- Datasheet
- Graph
- Simulation
- Report
- Summary

ACMBPG95

- **Used for the following tasks**

- Import a Measurement
- Visualize the weekly Air demand
- Visualize the energy consumption
- Simulate with other compressor room
- Generate a complete report of the measurement



Agenda

- Goal of the training
- What is the iiTRAK
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ACMBPG95

- **Steps to INSERT TECHNICAL DATA**

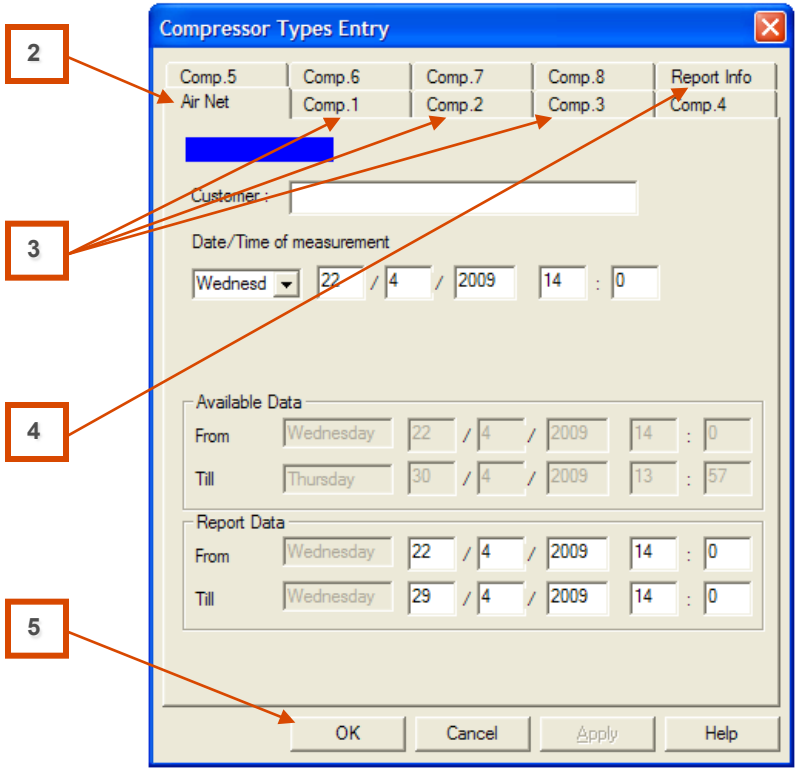
1. Click on Edit Installed System Icon

2. Fill in Airnet Info

3. Fill in Comp1 to 8 info

4. Fill in Report info

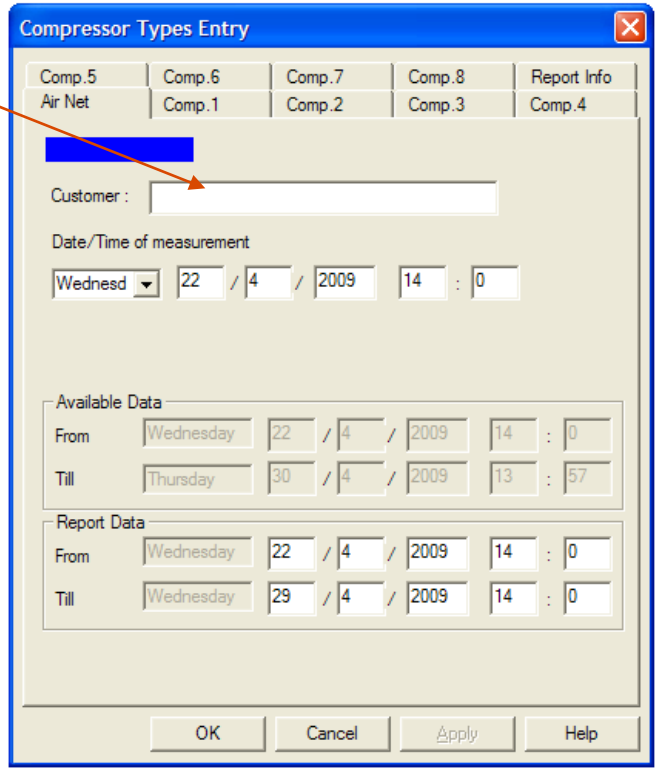
5. Click on OK



ACMBPG95

- **AIRNET**

1. Customer Name



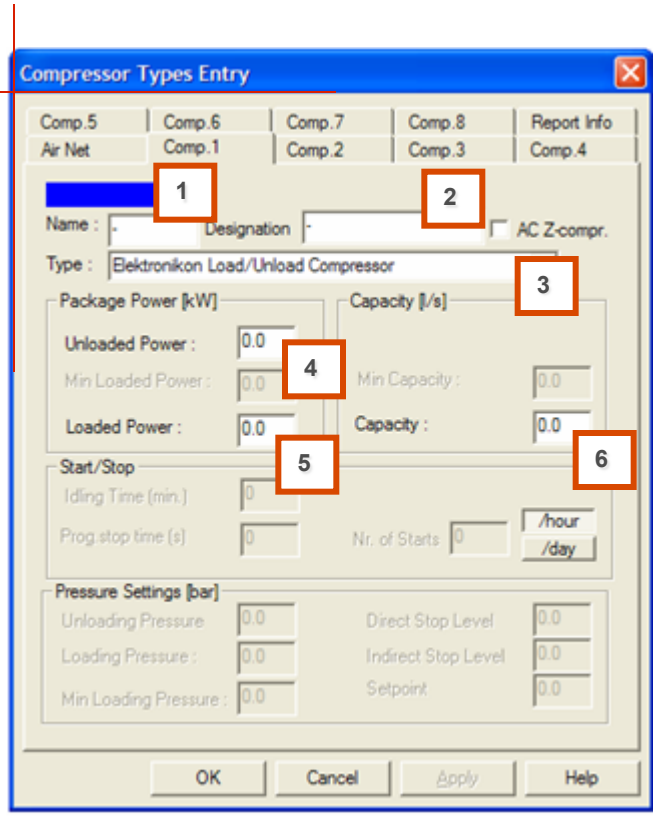
ACMBPG95

- **COMP1 to COMP8**

1. **Name = Brand**
2. **Designation = Type of machine**
3. **Type = Controller type**
4. **Unloaded Power**

   = Absorbed Power at NoLoad
5. **Loaded Power**

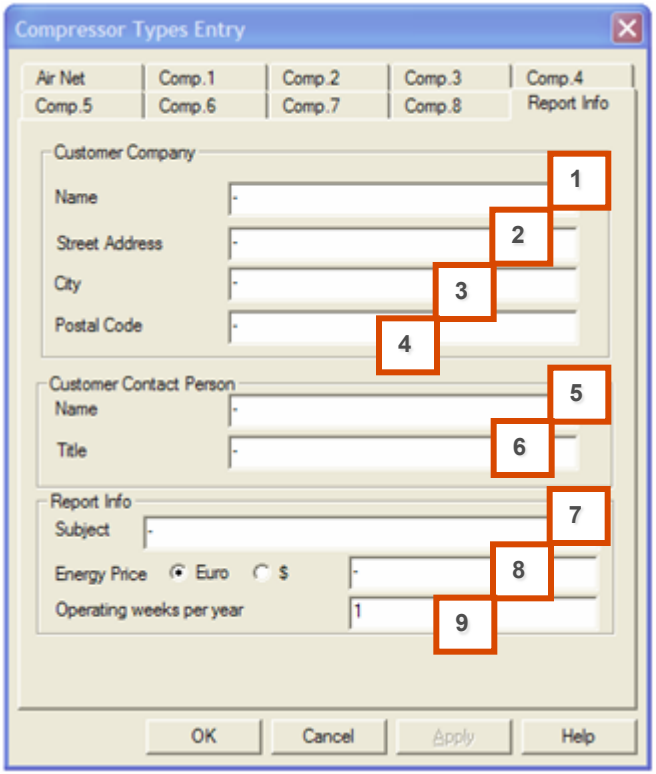
   = Absorbed Power at Full Load
6. **Capacity = FAD (in l/s)**



ACMBPG95

REPORT INFO

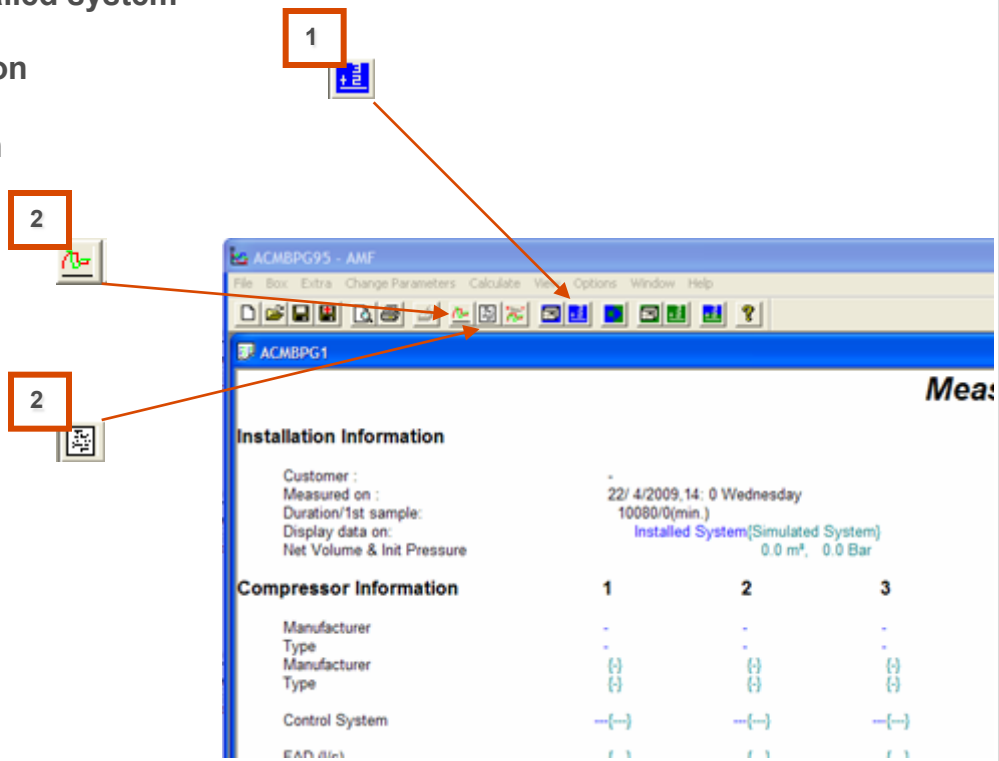
- **Customer Company Info**
  1. Name
  2. Street address
  3. City
  4. Postal Code
- **Customer Contact person Info**
  5. Name
  6. Title
- **Report Info**
  7. Subject = Subject of the letter
  8. Energy Price = Cost of 1 kWh
  9. Operating weeks/year



ACMBPG95

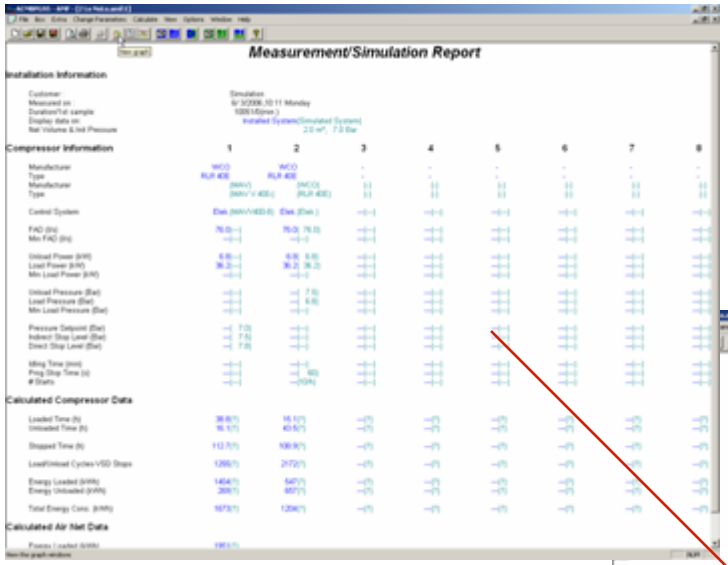
- **ANALYSE DATA AND GRAPH**

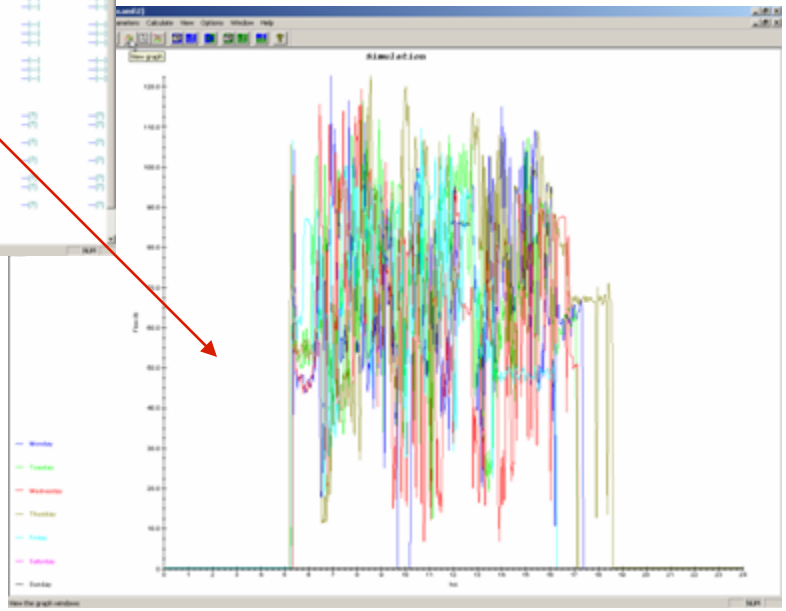
1. **Click on Calculate Installed system**
2. **Click on View Graph Icon**
3. **Click on View Data Icon**



ACMBPG95

- **INSERT TECHNICAL DATA & ANALYSE**

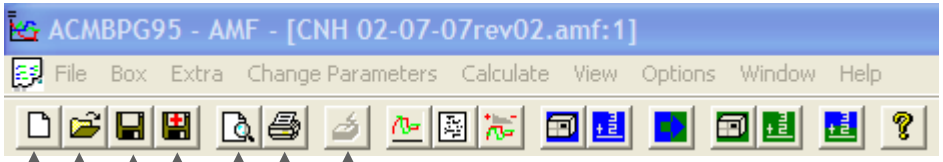




SHOW ANIMATION

ACMBPG95

Functionnalities in ACMBPG95

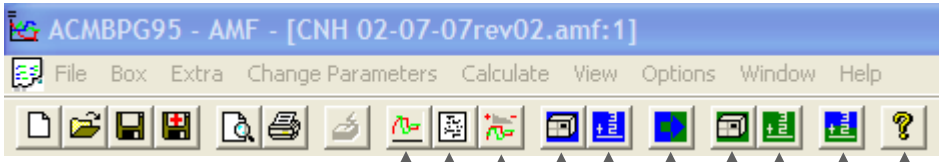


- **File handling**
  - New Measurement
  - Open a measurement
  - Save a Measurement
  - Save a Measurement As
- **Printer Options**
  - Preview
  - Print
- **Download Options**
  - Get data from the Box

The download option not needed for the iiTRAK measurements

ACMBPG95

- **Functionnalities in ACMBPG95**



- **View Options**
  - View Graph
  - View Datasheet
  - Graph Options
- **Installed System Options**
  - Edit
  - Calculate
- **Copy Installed to Simulated Data**
- **Simulated System options**
  - Edit
  - Calculate
- **Calculate both (edit and simulation)**
- **HELP**

Agenda

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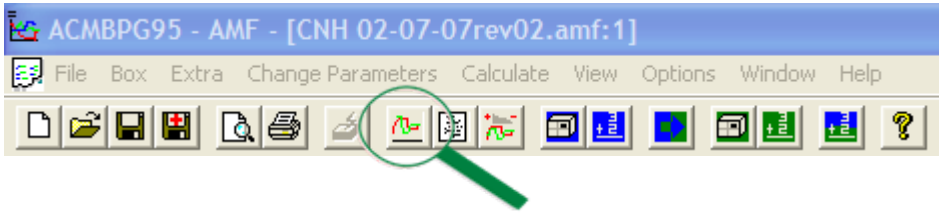
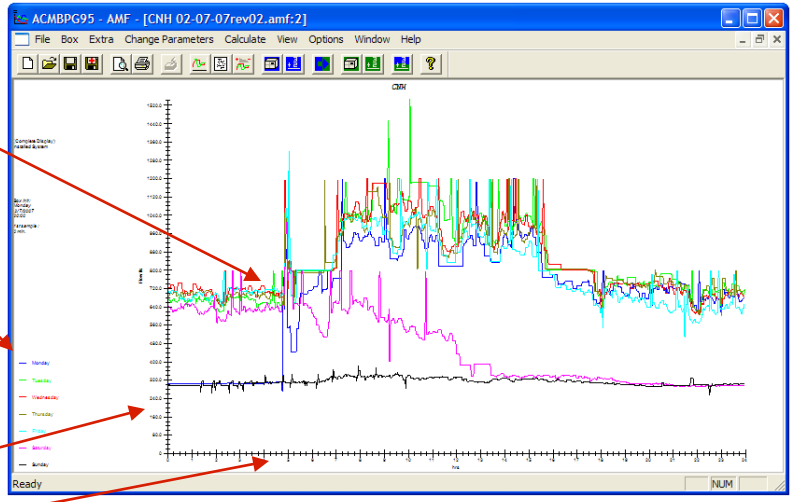
- **Graph**
- Simulation
- Repport
- Summary

ACMBPG95

- **VIEW OPTIONS - GRAPH**



- 1day = 1 line
- Color definition
- 7 lines = 1 week

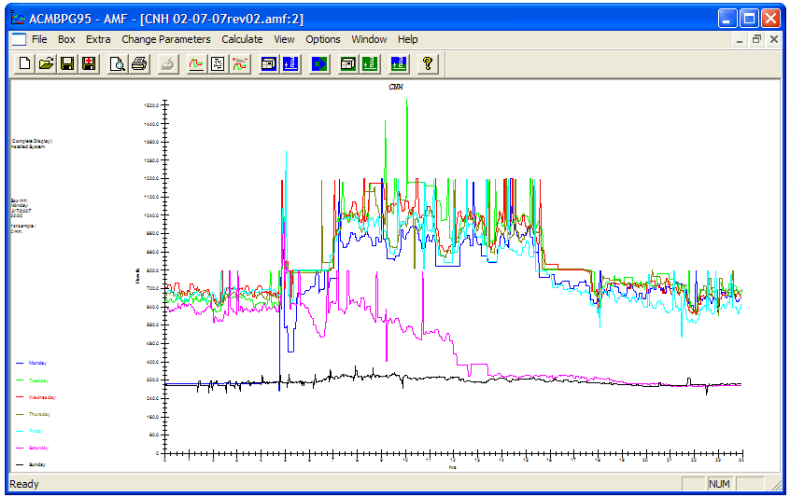


- Consumption axis = l/s
- Time axis = 24 hours

ACMBPG95

VIEW OPTIONS - GRAPH

- **What can I see on this particular graph?**
  - **24/7 (day and night air demand)**
  - **Weekend demand is low**
  - **Probable production 5,5 days a week**
  - **Highest production**
    - 5/7 from 7 am to 16 pm
  - **Production peeks**
    - Between 1200 & 1500 l/s
  - **High production level**
    - 1200 l/s
  - **Peak fluctuation**
    - 400 to 500 l/s
  - **Sunday consumption**
    - LEAKAGES
    - SMALL AIR CONSUMERS
  - **Base LOAD = 640 l/s**



ACMBPG95

VIEW OPTIONS - DATASHEET

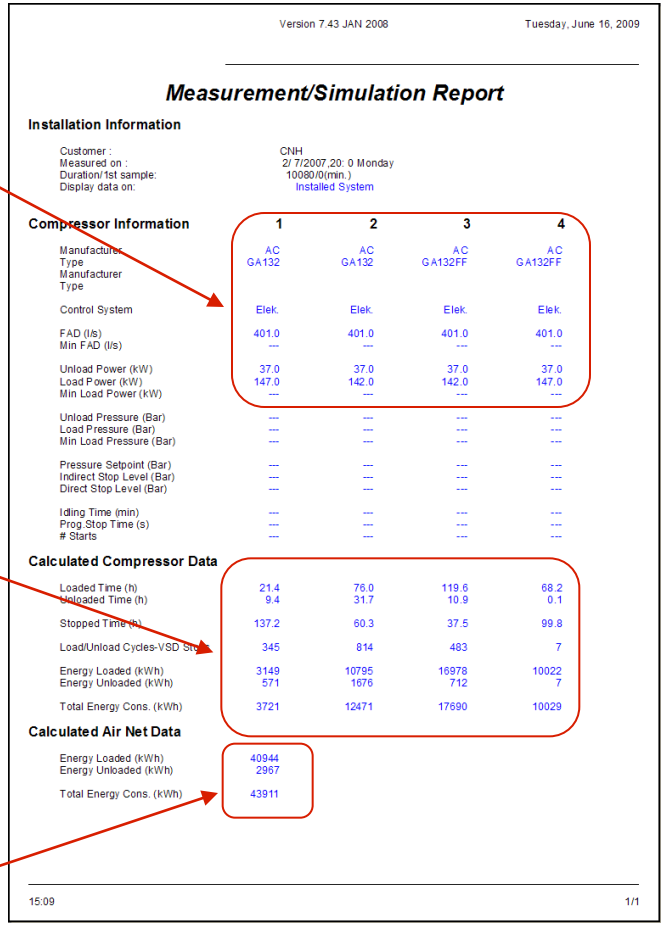
- **What can I see on this particular graph?**
  - **COMPRESSOR INFORMATION**
    - Measurement on 4 compressors
    - All 4 with elektronic controller
    - FAD
    - UNLOADED POWER
    - LOADED POWER
  - **CALCULATED COMPRESSOR DATA**
    - Loaded Time
    - Unloaded Time
    - Stopped Time

    = 168 - (Loaded + Unloaded Time)
    - Load Unload Cycles
    - Energy Loaded

    = Loaded Time x Load power
    - Energy Unloaded

    <> Unloaded Time x Unload Power
    - Total Energy Consumption

    = Energy Loaded + Energy Unloaded
  - **CALCULATED AIRNET DATA**
    - ENERGY LOADED
    - ENERGY UNLOADED
    - TOTAL ENERGY CONSUMPTION



Version 7.43 JAN 2008 Tuesday, June 16, 2009

Measurement/Simulation Report

Installation Information

Customer :	CNH
Measured on :	2/ 7/2007,20: 0 Monday
Duration/1st sample:	10080/0(min.)
Display data on:	Installed System

Compressor Information	1	2	3	4
Manufacturer	AC	AC	AC	AC
Type	GA132	GA132	GA132FF	GA132FF
Manufacturer				
Type				
Control System	Elek.	Elek.	Elek.	Elek.
FAD (l/s)	401.0	401.0	401.0	401.0
Min FAD (l/s)	---	---	---	---
Unload Power (kW)	37.0	37.0	37.0	37.0
Load Power (kW)	147.0	142.0	142.0	147.0
Min Load Power (kW)	---	---	---	---
Unload Pressure (Bar)	---	---	---	---
Load Pressure (Bar)	---	---	---	---
Min Load Pressure (Bar)	---	---	---	---
Pressure Setpoint (Bar)	---	---	---	---
Indirect Stop Level (Bar)	---	---	---	---
Direct Stop Level (Bar)	---	---	---	---
Idling Time (min)	---	---	---	---
Prog.Stop Time (s)	---	---	---	---
# Starts	---	---	---	---

Calculated Compressor Data				
Loaded Time (h)	21.4	76.0	119.6	68.2
Unloaded Time (h)	9.4	31.7	10.9	0.1
Stopped Time (h)	137.2	60.3	37.5	99.8
Load/Unload Cycles-VSD Stp	345	814	483	7
Energy Loaded (kWh)	3149	10795	16978	10022
Energy Unloaded (kWh)	571	1676	712	7
Total Energy Cons. (kWh)	3721	12471	17690	10029

Calculated Air Net Data

Energy Loaded (kWh)	40944
Energy Unloaded (kWh)	2967
Total Energy Cons. (kWh)	43911

15:09 1/1

Agenda

- Goal of the training
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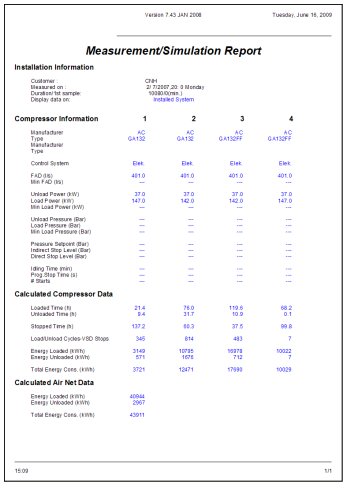
ACMBPG95

- **SIMULATION**

- **Based analyze of**
  - **The graph**
  - **The datasheet**
  - **The needs of the customer**
- **You will select the “best fitted” compressor(s)**
- **Now you can simulate on this “best fitted” compressor room**



Version 7.43 JAN 2008 Tuesday, June 16, 2009

Measurement/Simulation Report

Installation Information

Customer: CNH
Measured on: 2/ 7/2007 ,20 :0 Monday
Duration/ tot sample: 10080 (Cycles)
Display data on: Installed System

Compressor Information

	1	2	3	4
Manufacturer	AC	AC	AC	AC
Model	GA132	GA132	GA132FF	GA132FF
Manufacturer Type				
Control System	Elek.	Elek.	Elek.	Elek.
FAD (l/s)	491.0	491.0	401.0	401.0
Min FAD (l/s)	---	---	---	---
Unload Power (kW)	37.0	37.0	37.0	37.0
Load Power (kW)	147.0	142.0	142.0	147.0
Min Load Power (kW)	---	---	---	---
Unload Pressure (Bar)	---	---	---	---
Load Pressure (Bar)	---	---	---	---
Min Load Pressure (Bar)	---	---	---	---
Pressure Setpoint (Bar)	---	---	---	---
Indirect Stop Level (Bar)	---	---	---	---
Direct Stop Level (Bar)	---	---	---	---
Idling Time (min)	---	---	---	---
Prog.Stop Time (s)	---	---	---	---
# Starts	---	---	---	---

Calculated Compressor Data

Loaded Time (h)	21.4	76.0	119.6	58.2
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Calculated Air Net Data

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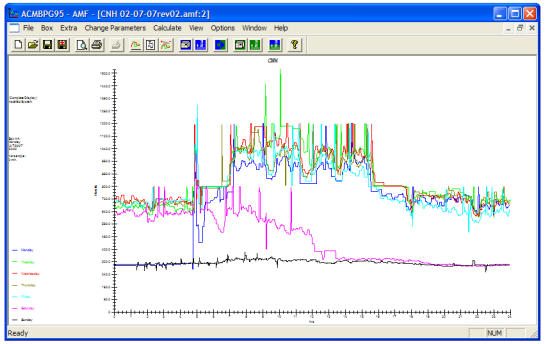
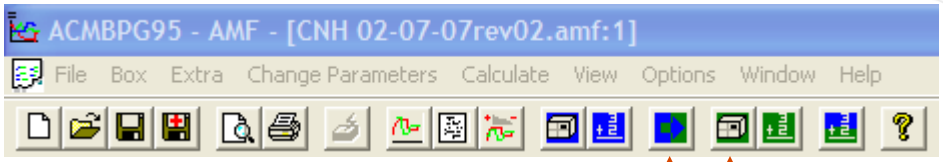
15:09 1/1



*** In the next training we will learn more on how to choose the “best fitted” compressor room

ACMBPG95

- **SIMULATION**



- 2 Ways of working
  - Start on the existing installation
  - Start from scratch
- The choise between the 2 ways is dependant on the pre-analyse
  - Discussion is the key of
    - A goof customer relationship
    - A good and accurate measurement