

CasSims

Welcome to the CasSims Program

CasSim can be used to perform simulations on your compressed air system.
It gives you detailed performance metrics on the behaviours of your compressors.

Number of simulations to be performed:

1

Start

CasSims

File

Number of compressors in simulation: 5

Next

Choose the maximum power(s), maximum air flow(s) and operation mode(s)
for the compressor(s) in the simulation

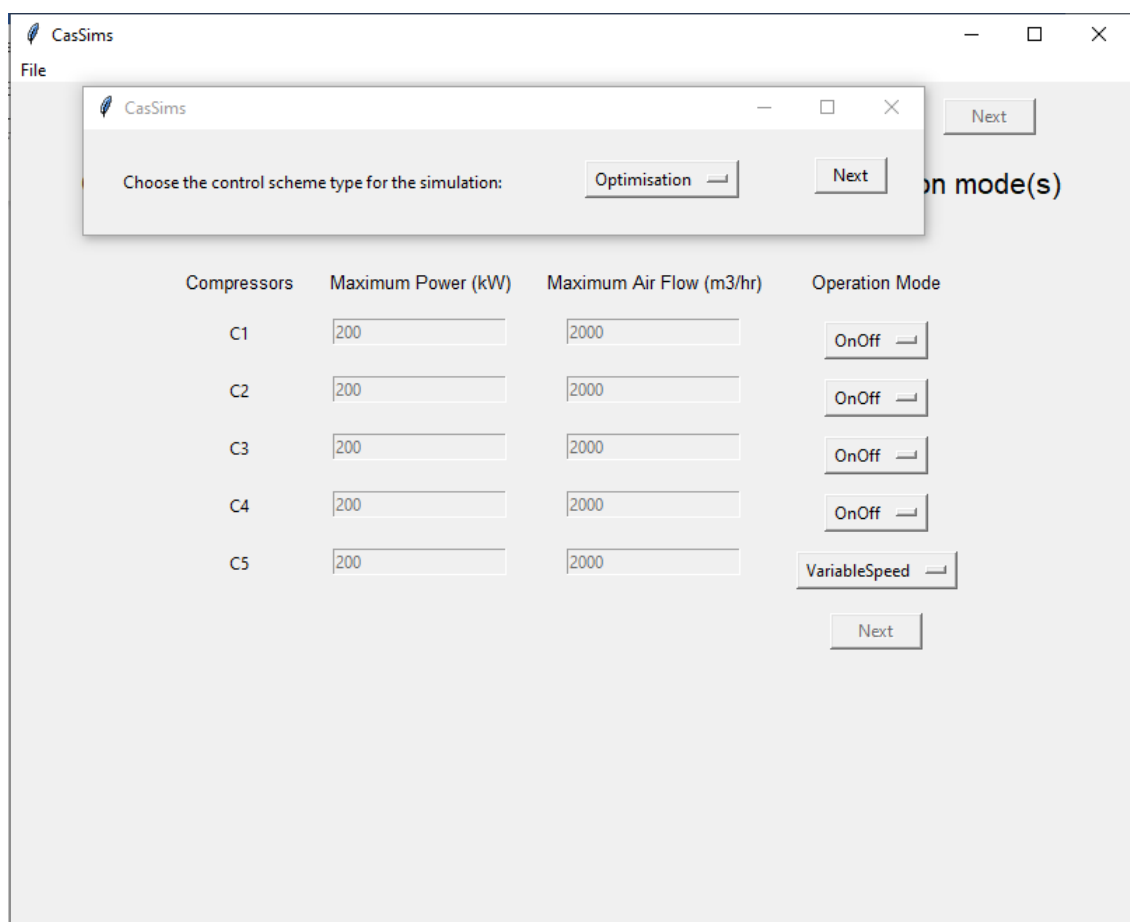
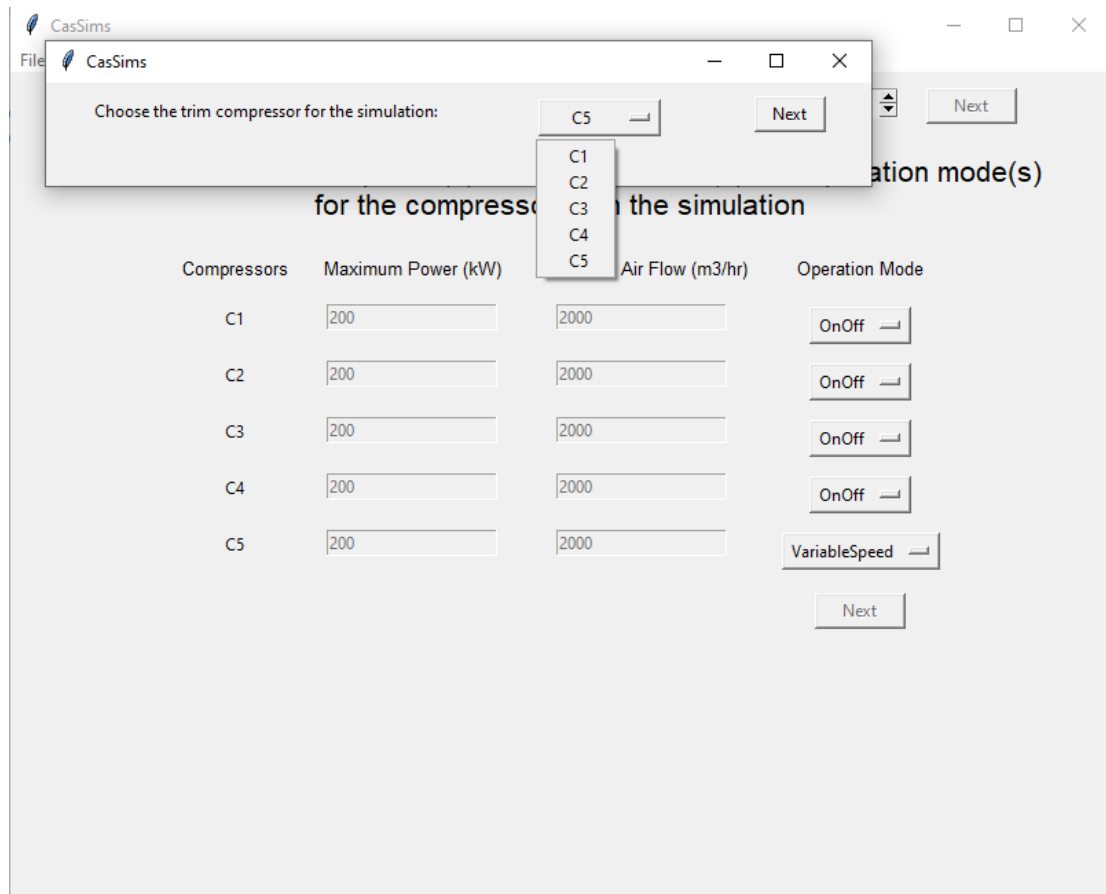
Compressors	Maximum Power (kW)	Maximum Air Flow (m3/hr)	Operation Mode
C1	200	2000	OnOff
C2	200	2000	OnOff LoadUnload InletModulation VariableSpeed
C3	200	2000	OnOff
C4	200	2000	OnOff
C5	200	2000	VariableSpeed

Next

Number of simulations to be performed:

1

Start



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File

Number of compressors in simulation: Next

Choose the maximum power(s), maximum air flow(s) and operation mode(s) for the compressor(s) in the simulation

Compressors	Maximum Power (kW)	Maximum Air Flow (m3/hr)	Operation Mode
C1	<input type="text" value="200"/>	<input type="text" value="2000"/>	OnOff
C2	<input type="text" value="200"/>	<input type="text" value="2000"/>	OnOff
C3	<input type="text" value="200"/>	<input type="text" value="2000"/>	OnOff
C4	<input type="text" value="200"/>	<input type="text" value="2000"/>	OnOff
C5	<input type="text" value="200"/>	<input type="text" value="2000"/>	VariableSpeed

Next

Choose Excel Workbook with Air Demand Data:
Upload File

CasSims

File

Compressed Air System Simulation(s)

Choose Worksheet with Air Demand Data:

☐ air_volume_2018

☐ power_2018

☒ air_volume_stacked_2018

☐ air_volume_2019

☐ power_2019

☐ air_volume_stacked_2019

Upload Sheet

Number of compressors in simulation: Next

Choose the maximum power(s), maximum air flow(s) and operation mode(s) for the compressor(s) in the simulation

Compressors	Maximum Power (kW)	Maximum Air Flow (m3/hr)	Operation Mode
C1	<input type="text" value="200"/>	<input type="text" value="2000"/>	OnOff
C2	<input type="text" value="200"/>	<input type="text" value="2000"/>	OnOff
C3	<input type="text" value="200"/>	<input type="text" value="2000"/>	OnOff
C4	<input type="text" value="200"/>	<input type="text" value="2000"/>	OnOff
C5	<input type="text" value="200"/>	<input type="text" value="2000"/>	VariableSpeed

Next

Choose Excel Workbook with Air Demand Data:
Upload File

