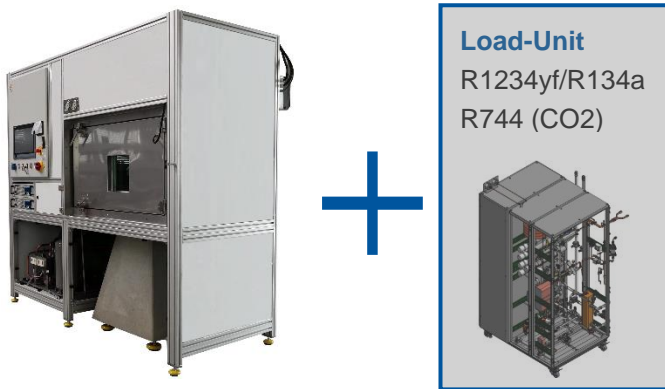


Heaterbox and climate chamber set up

Heaterbox for eCOMP and mCOMP

Flexible all in one compressor testing solution



- ▶ One Heaterbox can be used with different load-units with plug and play switching
- ▶ Main features:
 - Guided air velocity up to 10 m/s
 - Integrated Windows IPC with IPEMOTION
 - Integrated eCOMP and/or mCOMP drive
- ▶ Basic acoustic investigations (NVH) possible

The Heaterbox is available for operation with electric refrigerant compressors – also with different voltage and capacity levels – with mechanical compressors driven by a poly-V-belt and an integrated drive unit, or for use with both types of test items.

Performance Load-Units or durability Load-Units can be connected to the Heaterbox via plug and play, depending on the test requirements.

On the integrated IPC our software IPEMOTION runs as a data acquisition, visualization, and control software.

Facts

Air temperature	°C	-40 ... +150
Air velocity	m/s	0 ... 10

Climate chamber set up for eCOMP

Configurable test solution for up to two eCOMPs



- ▶ Multi-part set up for up to two test specimens in one climate chamber
- ▶ Main parts:
 - IPE Load-Unit or IPEload
 - IPE DC power supply units
 - 3rd party climate chamber
- ▶ Separate measurement equipment and IPC with IPEMOTION

This solution as a test bench for durability validation of up to two eCOMPs simultaneously can be individually configured to the test requirements.

Inside the climatic chamber, the two eCOMPs are located on an extendable mount for easier setup. Depending on requirements, the test bench can be operated from a central computer or each test station from an individual computer. A master emergency stop system guarantees that in the event of a fault, all system components go into a safe state.

Facts

Air temperature	°C	-40 ... +150
Humidity range	% r.H.	10 ... 95

More information needed?

www.ipetronik.com