TESTZENTRUM PLWP

ILK DRESDEN
Exzellenz ab null Kelvin

List of flexibly accredited procedures at the PLWP Test Centre

Testing area 1	***Determination of heating and cooling capacity in fluid-powered machines and refrigeration components*** *Within this scope of testing, the testing laboratory is permitted to choose freely between standardised test methods or equivalent methods.*	
Standard	Title	Version
DIN EN 13771-1	Refrigerant compressors and condensing units for refrigeration applications – Performance testing and test methods Part 1: Refrigerant compressors	08. 2003 04. 2017
DIN EN 14511-3	Air conditioners, liquid-cooled chillers and heat pumps with electrically driven compressors for space heating and cooling Part 3: Test methods	02. 2011 01. 2012 12. 2013 07. 2019 12. 2023
DIN EN 14825	Air conditioners, liquid-cooled chillers and heat pumps with electrically driven compressors for space heating and cooling – testing and performance measurement under partial load conditions	12. 2008 06. 2012 12. 2013 10. 2016 07. 2019 10. 2023
DIN EN 16147	Heat pumps with electrically driven compressors – testing, performance assessment and labelling requirements for appliances for domestic hot water heating	04. 2011 08. 2017 12. 2023
DIN EN ISO 5801	Industrial fans – performance testing on standardised test benches	11. 2011 04.2018

Testing area 2	***Acoustic investigations into fluid-powered machines and refrigeration components*** *Within this test area, the test laboratory is authorised to apply the standardised test methods listed here, or equivalent methods, in their various editions.*	
Standard	Title	Version
DIN EN ISO 3741	Acoustics – Determination of sound power levels of noise sources from sound pressure measurements – Reverberation chamber method, accuracy class 1	01. 2001 01. 2011
DIN EN ISO 9614-1	Acoustics – Determination of sound power levels of noise sources from sound intensity measurements Part 1: Measurements at discrete points	06. 1995 11. 2009
DIN EN ISO 9614-2	Acoustics – Determination of sound power levels of noise sources from sound intensity measurements Part 2: Measurement using continuous sampling	12. 1996
DIN EN 12102-1	Air conditioners, liquid chillers, heat pumps, process coolers and dehumidifiers with electrically driven compressors – Determination of sound power level – Part 1: Air conditioners, liquid chillers, heat pumps for space heating and cooling, dehumidifiers and process coolers	09. 2008 02. 2018 11. 2023
DIN EN 12102-2	Air conditioners, liquid chillers, heat pumps, process coolers and dehumidifiers with electrically driven compressors – Determination of sound power level – Part 2: Heat pump water heaters	08. 2019

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