

Workgroup Standards

*Asercom Convention 2023-04-20
Brussels*

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Compressor Safety

CEN and IEC

EN 12693 Refrigerating systems and heat pumps - Safety and environmental requirements - Positive displacement refrigerant compressors

update of 2008 version, some technical details

IEC 60335-2-34 Household and similar electrical appliances - Safety - Part 2-34: Particular requirements for motor-compressors

updates to transfer to EN

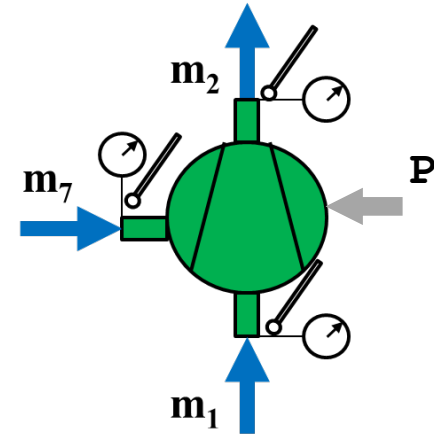
Compressor Performance Rating CEN

EN12900 Refrigerant compressors - Rating conditions, tolerances and presentation of manufacturer's performance data

simplification of rating tables

new Annex for conversion to mid point evaporation temperature

editorial updates, like dated standard references



Refrigerant Compressors

ISO TC86 SC4



3 new Work Items started 2022

Performance rating and testing of refrigerant compressors

participants from CN (chair+secretary), JP, KOR, USA, DE, ..

SC4 meeting 2023-05-25

Zhuhai, China

WG meetings 2023-05-23+24

same place

Compressor Performance Rating

ISO TC86 SC4

ISO TC86 SC4 WG2

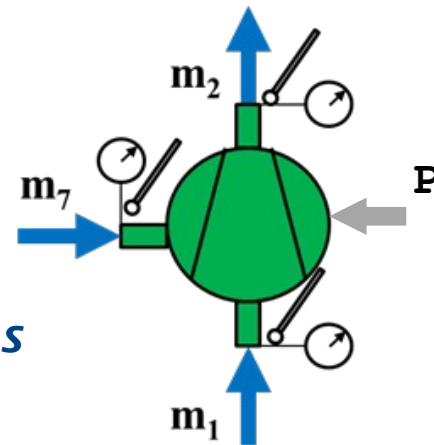
NWI ISO 18501

*Rating of positive displacement refrigerant compressors
similar to EN 12900, AHRI 540*

ISO TC86 SC4 WG3

NWI ISO 18483

*Rating of centrifugal refrigerant compressors
similar to AHRI 1520*



Compressor Performance Testing

ISO TC86 SC4

ISO TC86 SC4 WG4

NWI ISO 18975

*Performance testing
of refrigerant compressors*

*similarities to EN 13771-1, ASHRAE 23,
GB/T 5773, JISB 8606,
withdrawn ISO 917:1989*

*One testing standard
for both rating standards*

Input from standards from Europe, USA, China, JP

