

Klingenburg Regenerative Rotating Heat Exchanger



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Product description

Klingenburg Rotary Heat Exchanger in STANDARD execution

MODEL RRU

Designed as:

Condensation Rotor according to VDI 2071*

or

Enthalpy Rotor resp. Sorption Rotor according to VDI 2071*

- For optimal multiple use by sensible and latent energy in the extract air.
- Vertical installation for every size, preferred use as fitting rotor in air conditioner.
- Square housing, maximal dimensions up to 2500 mm.
- Housing and wheel undivided.
- Rotor matrix out of sea water resistant aluminium alloy, composed of waved and flat, continuous wound layers, to guarantee the laminar air flow. Compact and smooth heat wheel face.

Housing

- Stable screwed housing design, made of galvanised steel.
- Low weight and simple access to all components.
- Adjustable and wear resistant seals completely adjacent round the wheel.
- Maintenance-free antifriction bearings, up to size 2000 inside located, protected by surrounding hub, above size 2000 outside located, for better load suspension, installed in the housing.
- Easy mounting of the motor position and air flow separation, thereby optimal use for direct and subsequent storage.
- Execution with square housing sizes up to 2500 mm.

Rotor matrix

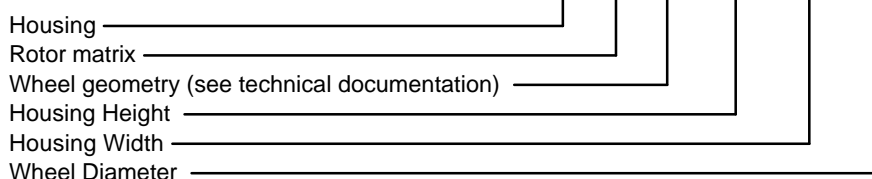
P / E / N: Condensation Rotor (P) for sensible, Enthalpy Rotor (E) resp. Sorption Rotor (HUgo N) for sensible and latent energy recovery. Matrix mechanical fixed with opposite arranged welded internal and external double spoke system, as well as framed segments in case of divided rotor. Prevention of non aerated areas and consequently avoidance of corrosion and increased life time.

PT / ET / NT: Condensation Rotor (PT) for sensible, Enthalpy Rotor (ET) resp. Sorption Rotor (HUgo NT) for sensible and latent energy recovery with inside installed radial tension rods.

KT: Condensation Rotor with special epoxy coating, for increased corrosion protection.

Example description of product type:

RRU - E - C19 - 2000 / 2000 - 1875



*) VDI: Association of German Engineers