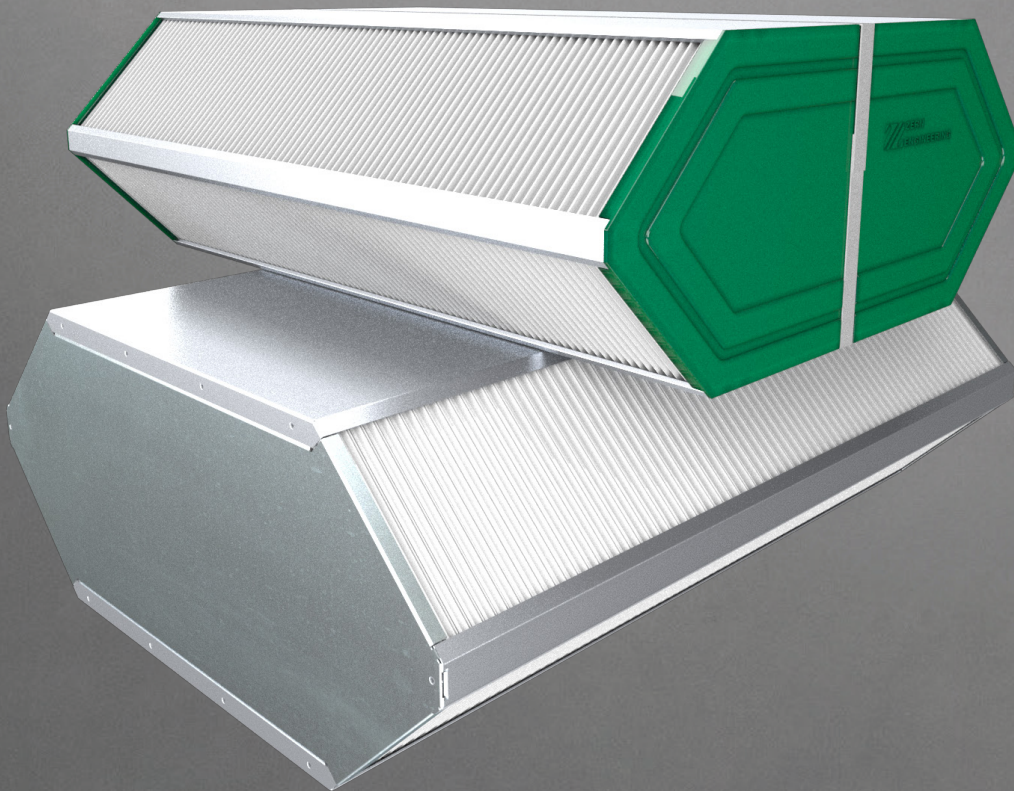




HU-EX6 172

COMPACT. RELIABLE. UNIQUE.



■ UNIQUENESS

■ INNOVATION

■ RESULT

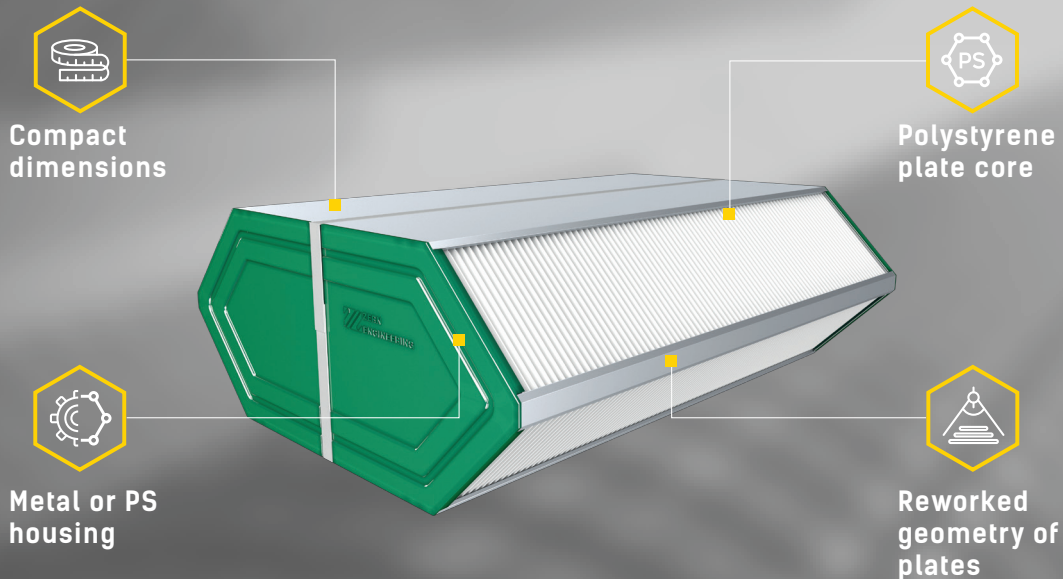
HU-EX6 172 SERIES

COMPACT. RELIABLE. UNIQUE.

The **HU-EX6 172** is a compact, high-performance counter-flow plate heat exchanger from the HU-EX6 series, designed for use in residential and small-space ventilation units. With dimensions of 172 × 397 mm, it is optimized for moderate airflow rates, making it ideal for decentralized systems and compact AHUs.

The heat exchanger features a high-quality polystyrene plate core with refined internal geometry, delivering thermal efficiency of **up to 90%** while maintaining low pressure drop.

In addition to the traditional metal housing options, ZERN ENGINEERING has developed a polystyrene (PS) casing for the **HU-EX6 172** – combining lightweight construction with corrosion and moisture resistance. This innovation makes us the only manufacturer on the market to offer a heat exchanger of this size with a PS housing, setting a new benchmark for durability, cost-efficiency, and design flexibility in its class.



MAIN ADVANTAGES



Optimized energy transfer

Optimized plate geometry and flow path enable high heat recovery up to 90% in a compact volume.



Balanced pressure drop

Flow channels are designed to minimize resistance while ensuring consistent heat exchange.



Consistent performance

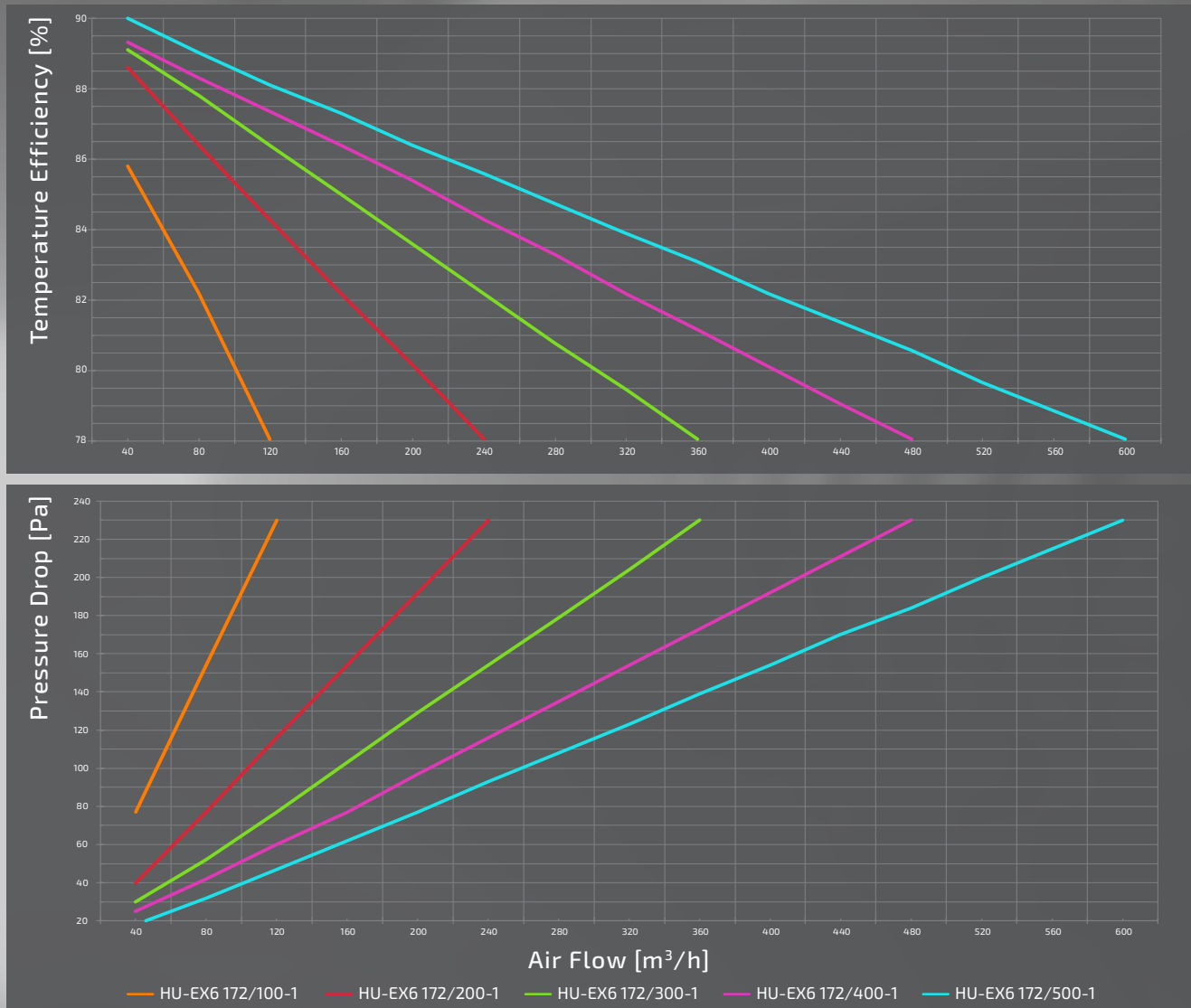
Delivers stable efficiency under different airflow rates and operating conditions.



Market-exclusive PS housing

Only heat exchanger of this size with a polystyrene housing – by ZERN ENGINEERING.

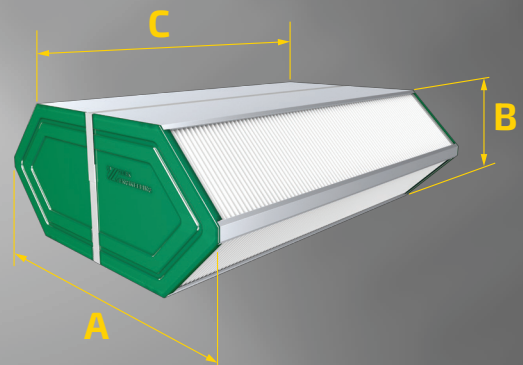
HU-EX6 172 SERIES DEPENDENCY DIAGRAMS



Test results on a HU-EX6 172/100...500-1 model with a depth of 100...500 mm, test conditions according to DIN EN 13141-7 (as well as EN 308)

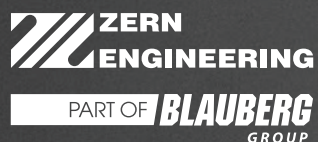
OVERALL DIMENSIONS

MODEL	DIMENSIONS [MM]			Casing design
	A	B	C	
HU-EX6 172/100...600-1 (1.1) / 2 (2.1) / 3 (3.1)	397	172	100...600	1/1.1 2/2.13/3.1



Casing design

- 1 - aluzinc
- 1.1 - aluzinc with a T-profile
- 2 - polystyrene
- 2.1 - polystyrene with a T-profile
- 3 - aluminium
- 3.1 - aluminium with a T-profile



Stäblistraße 6
81477 München

HQ Tel. +49 89 23166620
HQ Fax. +49 89 78069521

sales@zern-engineering.com
zern-engineering.com

The Company reserves the rights to modify any of its products' features, designs, components and specifications at any time and without notice to maintain the development and quality of manufactured goods.

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