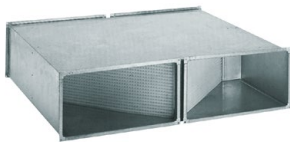
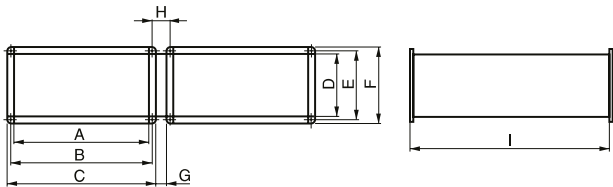


IRW AL HE



energy efficient
system



Technical parameters

Cabinet

The cabinet is made of galvanized sheet metal and is equipped with square sockets in the opposite walls. The drainage screw is included loosely and is mounted in the exhaust air discharge chamber during installation.

Recuperation

The aluminum cross plate heat exchanger is hermetically built into the cabinet. Sizes 315 HE, 355 HE, 400 HE and 450 HE are also supplied with a bypass valve.

Montage

Installation in any position, but in such a way that it is possible to drain the resulting condensate. Condensate drainage is carried out with the enclosed DN 14 hollow screw through the siphon into the sewer. If possible, the heat exchanger should be installed at a 1° slope to the waste sewer pipe.

Variants

- IRW AL xxx HE recuperative aluminum heat exchanger, where xxx is the heat exchanger size
- IRW AL xxx BP HE recuperative aluminum heat exchanger with bypass, where xxx is the heat exchanger size

Size	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	I [mm]	I* [mm]	weight [kg]
IRW AL 200 HE	400	420	440	200	220	240	207	227	1460	–	45/–
IRW AL 225 HE	500	520	540	250	270	290	180	200	1460	–	49/–
IRW AL 250 HE	500	520	540	300	320	340	180	200	1460	–	59/–
IRW AL 285 HE	600	620	640	300	320	340	38	58	1460	–	63/–
IRW AL 315 HE	600	620	640	350	370	390	192	212	1525	1600	89/90*
IRW AL 355 HE	700	720	740	400	420	440	38	58	1525	1600	99/99*
IRW AL 400 HE	800	820	840	500	520	540	38	58	1525	1600	120/122*
IRW AL 450 HE	1000	1020	1040	500	520	540	38	58	1525	1600	126/128*

* The data with an asterisk applies to recuperators with a built-in bypass valve (BP version).

Instructions

The exchanger is resistant to corrosion and humid environments. The exchanger cannot be used in explosive environments, environments with vapors of solvents, chemicals and aggressive substances. Antifreeze protection must be provided for the heat exchanger.

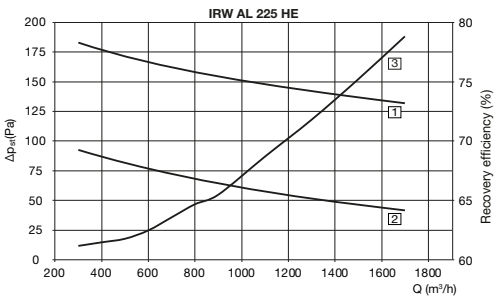
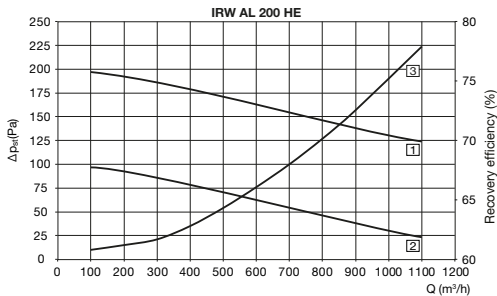
Information

IRW AL HE recovery heat exchangers are suitable for modular systems with IRB and IRT fans. Recuperative heat exchangers of the "air-air" system in a cross configuration are universally applicable for central and decentralized ventilation and technological extraction systems. Structurally, they are particularly suitable for assembly systems into square piping.

- low pressure loss even with significant operational pollution
- low acquisition costs
- high corrosion resistance for wet environments without aggressive substances
- easy maintenance
- cannot be used for explosive atmospheres and solvent vapors
- temperature resistance –25 to +80 °C

Characteristics

- 1 Efficiency for parameters: WITHDRAWAL 22 °C / 50 % RH, SUPPLY -12 °C / 90 % RH
- 2 Dry efficiency for dT = 20 K (temperature difference between inlet and outlet)
- 3 Pressure loss



IRW AL HE

