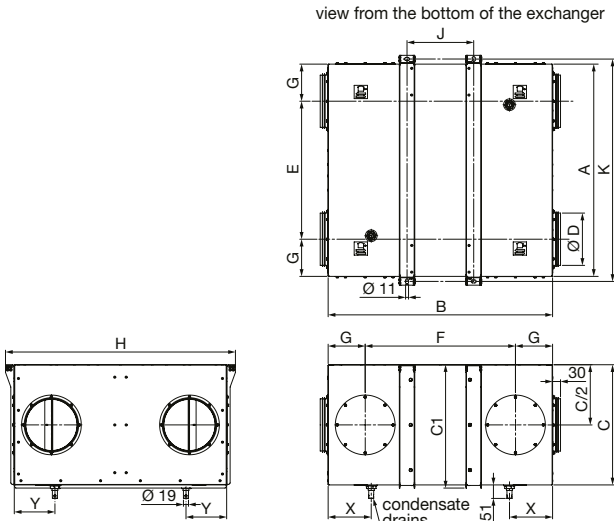


MRW AL HE



MRW 150 HE, 300 HE, 450 HE, 600 HE

Type	for fan MIXVENT	for fan RM N, CAB, CVB, CVAB N	dimensions [mm]													weight [kg]
			A	B	C	C1	Ø D	E	F	G	H	J	K	X	Y	
MRW AL 150/125 HE	350/125	Ø 125	760	765	200	215	122	535	541	112	825	251	798	135	135	32
MRW AL 300/160 HE	500/160	Ø 160	760	765	300	315	157	520	526	120	825	251	798	145	145	39
MRW AL 450/200 HE	800/200	Ø 200	800	845	450	465	197	520	566	140	865	251	838	160	150	55
MRW AL 600/250 HE	1000/250	Ø 250	900	945	600	625	247	580	624	160	965	251	938	190	180	77

3²

Technical parameters

Cabinet

The housing is made of galvanized sheet metal with round necks on the front sides of the recuperator. There are removable circular covers on the sides of the recuperator, which can be replaced with circular necks as needed. Condensate drains are installed at the bottom of the recuperator on the waste branch (the condensate drain on the air side before recuperation can be blinded).

Recuperation

The aluminum plate heat exchanger meets the requirements of EC Regulation No. 1253/2014 and is built into the recuperator cabinet. Sizes 280, 350 and 500 can be supplied with a bypass flap on the fresh supply air side. The bypass valve actuator is not included in the delivery.

Montage

Installation only in a horizontal position (under the ceiling) with an inclination of 1° to the waste sewer pipe. The condensate drain must be connected to the sewer pipe via a siphon. For the variant of the recuperator with a bypass flap, it is necessary to provide a service space for access to the servo drive of the bypass flap. The power cable of the servo drive must be routed through the

rubber grommet to the outer casing. A position other than horizontal must be consulted with the technical department of Elektrodesign ventilatory s.r.o

Variants

- MRW-AL H / ØD HE – recovery heat exchanger without bypass valve, H – type designation, ØD – throat size
- MRW-AL H / ØD BP HE – recovery heat exchanger with bypass valve, H – type designation, ØD – throat size

In the case of the variant with a bypass flap, the bypass is located on the supply air side. The servo drive of the bypass valve is located on the waste side of the recuperator. The position of the servo drive with the bypass flap can be changed as needed. Access to the actuator is through a blinded unused throat opening. If the recuperator is covered by a ceiling, it is necessary to create a service hole in the ceiling for possible servicing of the bypass valve actuator. The minimum dimension of the service hole is shown in the figure below.

Instructions

The exchanger is resistant to corrosion and humid environments. It cannot be used in explosive environments,

environments with chemical vapors, solvents and aggressive substances. To reduce the risk of clogging the exchanger with dirt, it is necessary to install air filters on the side of fresh (outdoor) air and exhaust (indoor) air.

Information

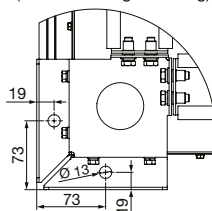
Aluminum recovery heat exchangers are suitable for modular systems with fans MIXVENT-TD, RM N, RK, CVB, CVAB N, CAB. The exchangers are universally applicable for central and decentralized ventilation systems. Regarding the design, they are particularly suitable for assembly systems into circular piping.

- low acquisition costs
- high corrosion resistance for humid environments without aggressive substances
- easy maintenance
- cannot be used for explosive atmospheres and solvent vapors
- temperature resistance –25 to +80 °C

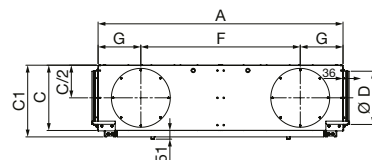
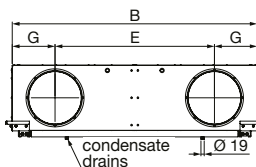
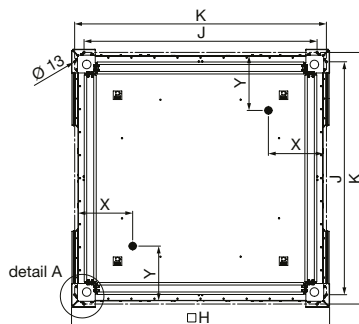
MRW AL HE



DETAIL A
(detail of ceiling mounting)



view from the bottom of the exchanger



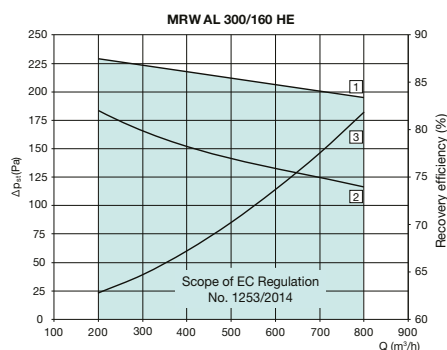
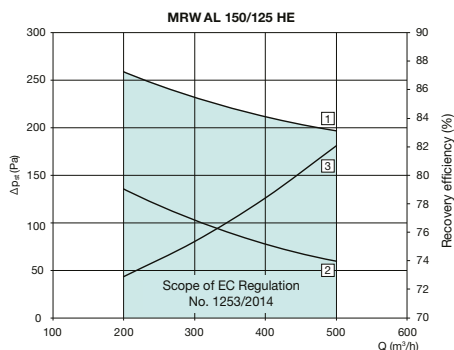
MRW 280 HE, 350 HE, 500 HE

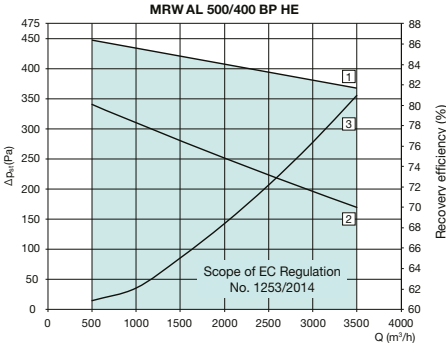
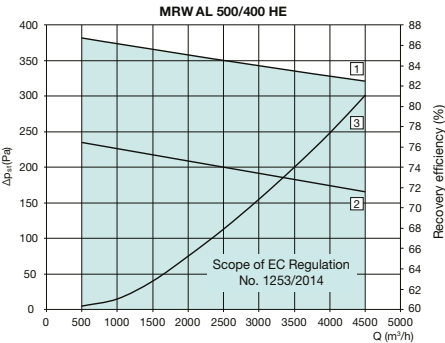
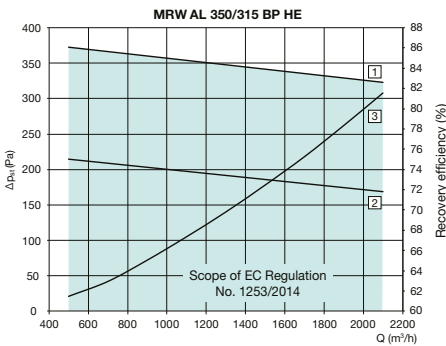
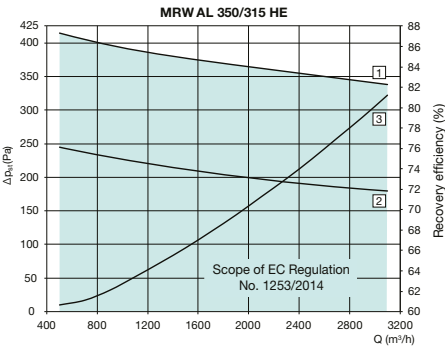
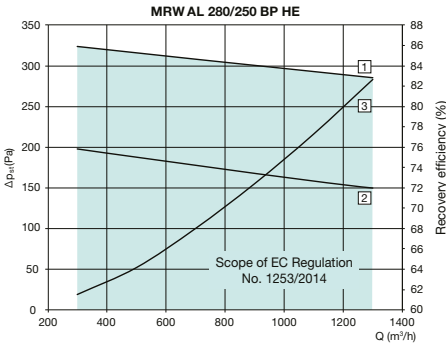
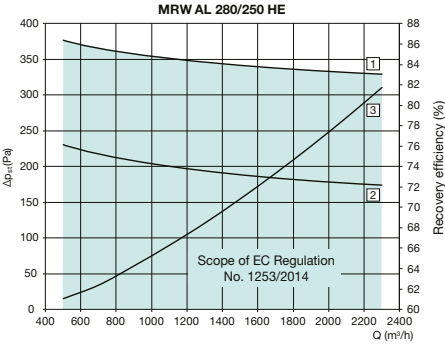
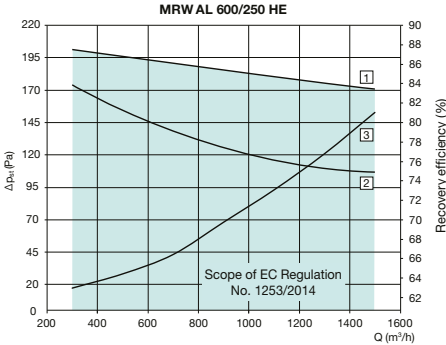
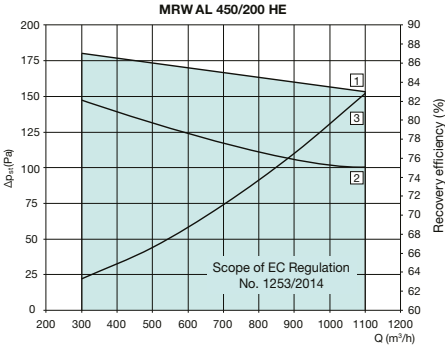
Type	for fan MIXVENT	for fan RM N, CAB, CVB, CVAB N	dimensions [mm]													weight [kg]
			A	B	C	C1	Ø D	E	F	G	H	J	K	X	Y	
MRW AL 280/250 HE	1300/250	Ø 250	1435	1435	300	340	247	934	934	250	1510	1365	1475	320	320	105
MRW AL 280/250 BP HE			1435	1435	300	340	247	934	934	250	1510	1365	1475	320	320	103
MRW AL 350/315 HE	2000/315	Ø 315	1435	1435	380	420	312	934	934	250	1510	1365	1475	320	320	115
MRW AL 350/315 BP HE			1435	1435	380	420	312	934	934	250	1510	1365	1475	320	320	113
MRW AL 500/400 HE	6000/400	Ø 400	1435	1435	550	590	397	934	934	250	1510	1365	1475	320	320	137
MRW AL 500/400 BP HE			1435	1435	550	590	397	934	934	250	1510	1365	1475	320	320	131

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Characteristics

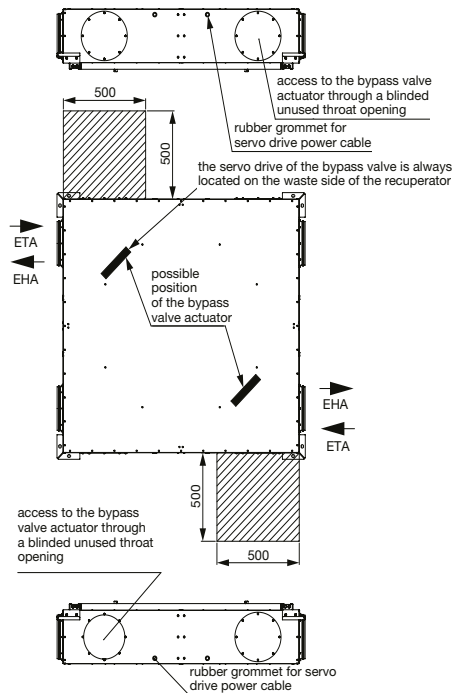
- 1 efficiency for parameters: WITHDRAWAL 22 °C/50% RH, SUPPLY -12 °C/90% RH
- 2 effectiveness according to EC/1253/2014
- 3 pressure loss



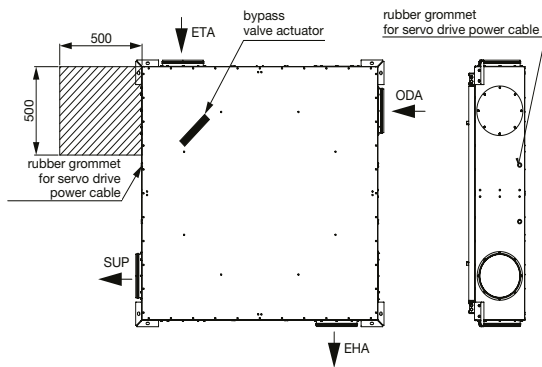


Supplementary image

service space requirement in the case
of recuperator with bypass valve

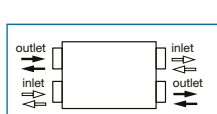


example of creating a service area according to the given position of the bypass valve actuator



SUP – supply air
ODA – fresh (outdoor) air
ETA – withdrawal air
EHA – exhaust air

optional variants of inlet and outlet nozzle positions



factory settings of the necks

