

Air Reheater Unit Type NE



Reheater NE

The valve-controlled air reheater NE serves to reheat the supply air and is mounted directly to the VRC airflow control unit. By means of a connecting enclosure with circular sockets, connection to a round-profile air distribution duct can be made.

Selection

The heating output on the air side (as a function of the airflow volume) and temperature increase on the air side can be determined from the diagram. In addition, it is possible to determine the necessary water flow rate for the heating output as a function of the temperature range between the hot water supply and return flow systems.

In the upper part of the diagram, it is possible to read off the acoustic power level and the pressure losses on the air and water sides.

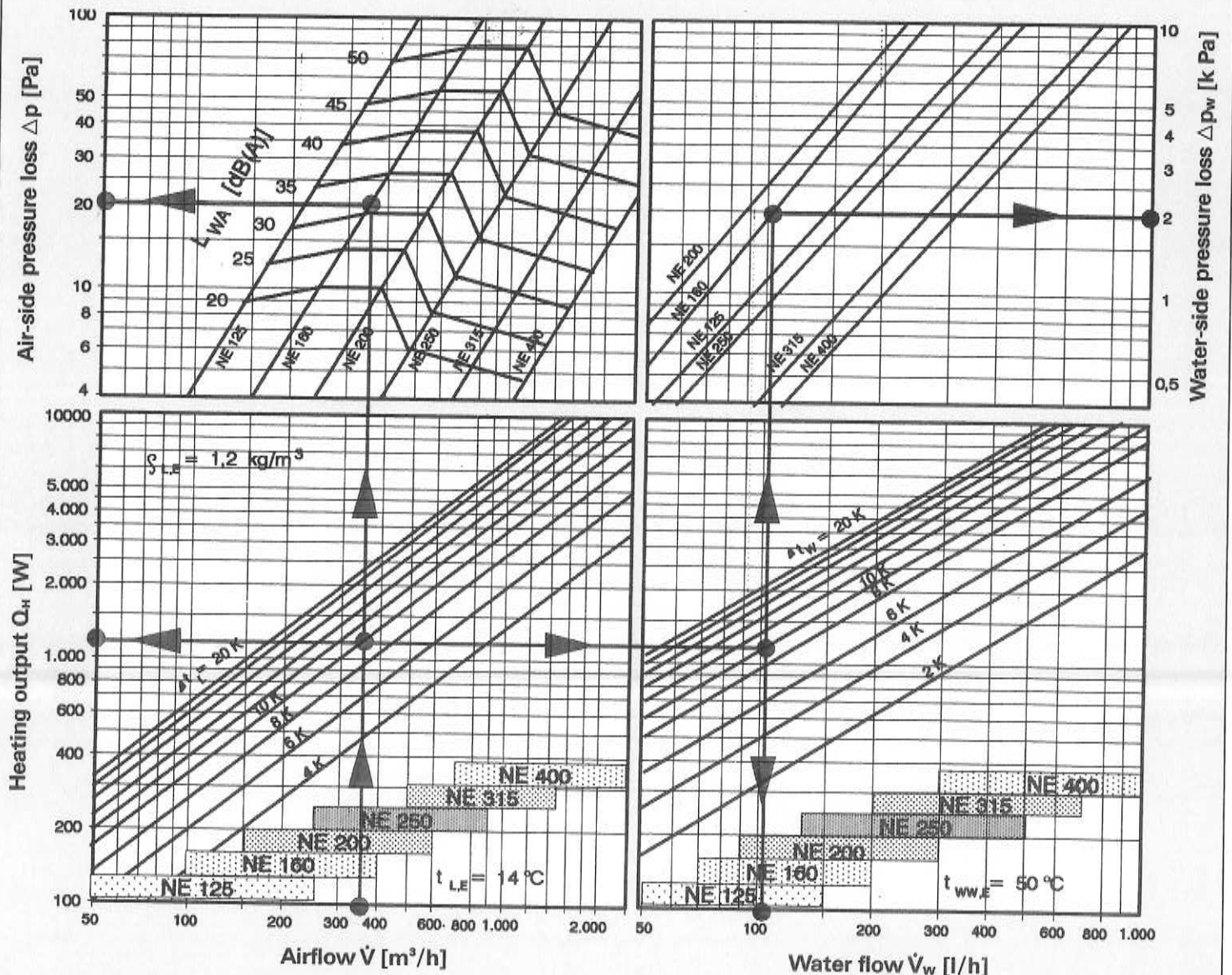
The graphs in the diagram are based on an air inlet temperature of 14 °C and an economical low-temperature heating system giving a water supply temperature of 50 °C.

Typical layout with NE 160

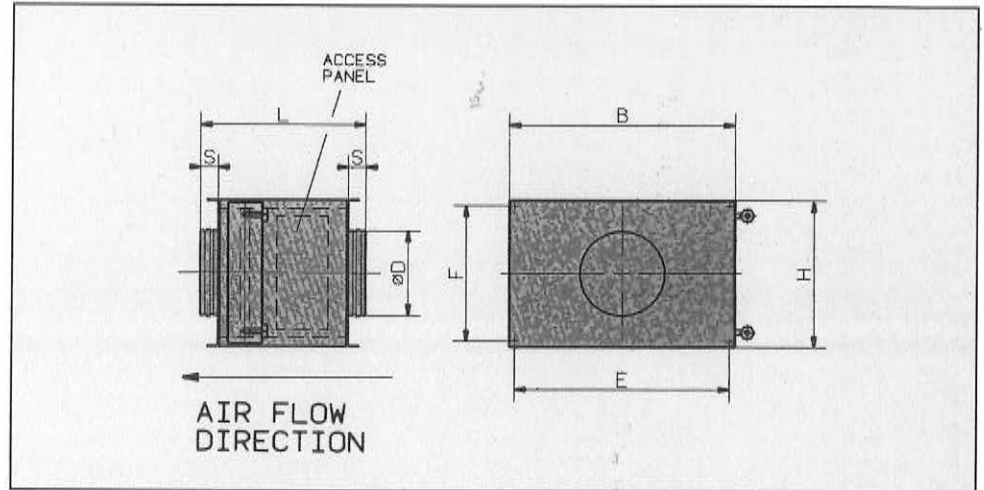
Airflow volume 350 m³/h
Temperature increase 10 K

from diagram:

Air-side heating output 1 200 W
Acoustic power 31 dB(A)
Air-side pressure loss 20 PA
Water flow rate required 105 l/h
Water-side pressure loss 2 kPa



**Dimensions
reheater**



Dimensions reheater

Nominal size DN	$\varnothing D$ [mm]	L [mm]	S [mm]	B [mm]	H [mm]	E [mm]	F [mm]	Weight [kg]
125	124	385	40	390	260	364	234	6,8
160	159	385	40	400	300	374	274	7,5
200	199	385	40	530	345	504	319	12,0
250	249	425	60	584	432	556	404	15,4
315	314	425	60	599	457	571	429	17,5
400	399	515	80	804	557	776	529	25,5