



## KWC Duct Water Heaters

The duct heat exchangers KWC are intended for the air heating and cooling in the ventilation and air-conditioning systems. The housings allow the heat exchangers to be connected to the round ducts.

### PRODUCT DESCRIPTION

The series of the KWC heat exchangers suitable for the airflows within 250-2000m<sup>3</sup>/h. The housings of the heat exchangers are adapted for the installation in the round ventilation ducts with the diameter of 160-355mm. In CF and CLF heat exchanger types droplet eliminator and drain gutter are installed inside the housing. The heaters and coolers are made of copper pipes and aluminium with spacing of 2; 2,4 or 3mm. The terminal connections have internal thread

### WORKING CONDITIONS

The heaters (NLW heat exchanger type) can be supplied with water with the temperature of 150OC and the operation pressure of up to 1,5MPa. The coolers can be supplied with ice water, glycol (CLW heat exchanger type) or freon (CF heat exchanger type). The maximum operation pressure for the freon coolers is 2,4MPa.

## KWC-160-CLW-21X24/III

### DIMENSIONS



<b>Connection diameter [mm]</b>	160
<b>Air amount [m<sup>3</sup>/h]</b>	250
<b>Exchanger rows number</b>	III
<b>Cooling power [kW]</b>	1,7
<b>Air flow resistance [Pa]</b>	30
<b>Water flow resistance [kPa]</b>	8

## KWC-160-CLW-21X24/IV

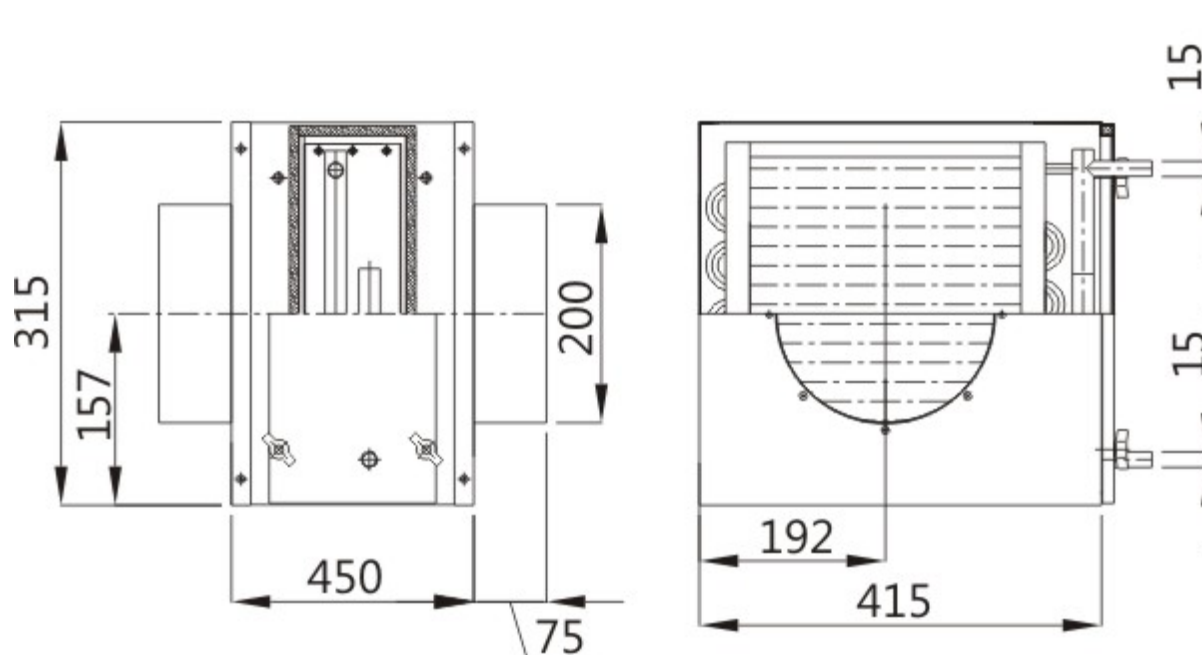
### DIMENSIONS



<b>Connection diameter [mm]</b>	160
<b>Air amount [m<sup>3</sup>/h]</b>	250
<b>Exchanger rows number</b>	IV
<b>Cooling power [kW]</b>	1,9
<b>Air flow resistance [Pa]</b>	43
<b>Water flow resistance [kPa]</b>	12

## KWC-200-CLW-28X24/III

### DIMENSIONS



<b>Średnica przyłącza [mm]</b>	200
<b>Connection diameter [mm]</b>	500
<b>Air amount [m<sup>3</sup>/h]</b>	III
<b>Exchanger rows number</b>	3,0
<b>Cooling power [kW]</b>	51
<b>Air flow resistance [Pa]</b>	10
<b>Water flow resistance [kPa]</b>	

## KWC-200-CLW-28X24/IV

### DIMENSIONS



<b>Connection diameter [mm]</b>	200
<b>Air amount [m<sup>3</sup>/h]</b>	500
<b>Exchanger rows number</b>	IV
<b>Cooling power [kW]</b>	3,7
<b>Air flow resistance [Pa]</b>	70
<b>Water flow resistance [kPa]</b>	23

## KWC-225-CLW-28X32/III

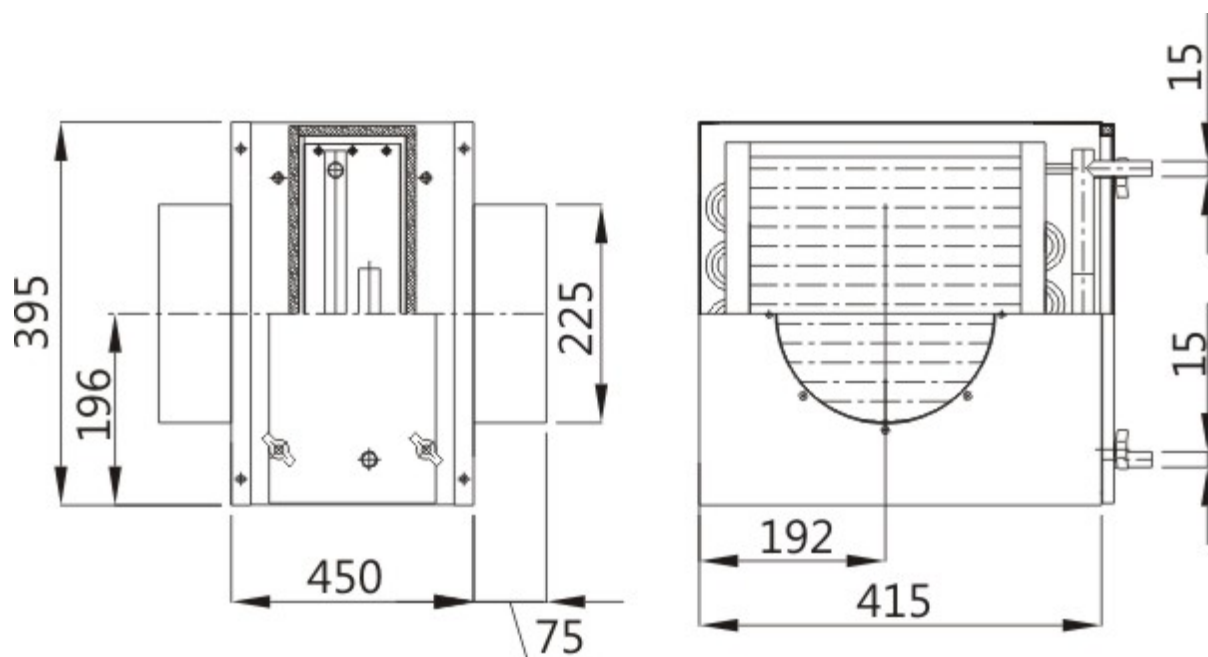
### DIMENSIONS



<b>Connection diameter [mm]</b>	225
<b>Air amount [m<sup>3</sup>/h]</b>	750
<b>Exchanger rows number</b>	III
<b>Cooling power [kW]</b>	4,3
<b>Air flow resistance [Pa]</b>	60
<b>Water flow resistance [kPa]</b>	9

## KWC-225-CLW-28X32/IV

### DIMENSIONS



<b>Connection diameter [mm]</b>	225
<b>Air amount [m<sup>3</sup>/h]</b>	750
<b>Exchanger rows number</b>	IV
<b>Cooling power [kW]</b>	5,1
<b>Air flow resistance [Pa]</b>	80
<b>Water flow resistance [kPa]</b>	12

## KWC-250-CLW-32X32/III

### DIMENSIONS



<b>Connection diameter [mm]</b>	250
<b>Air amount [m<sup>3</sup>/h]</b>	1000
<b>Exchanger rows number</b>	III
<b>Cooling power [kW]</b>	5,9
<b>Air flow resistance [Pa]</b>	65
<b>Water flow resistance [kPa]</b>	16



## KWC-250-CLW-32X32/IV

### DIMENSIONS



<b>Connection diameter [mm]</b>	250
<b>Air amount [m<sup>3</sup>/h]</b>	1000
<b>Exchanger rows number</b>	IV
<b>Cooling power [kW]</b>	6,5
<b>Air flow resistance [Pa]</b>	90
<b>Water flow resistance [kPa]</b>	19

## KWC-315-CLW-36X40/III

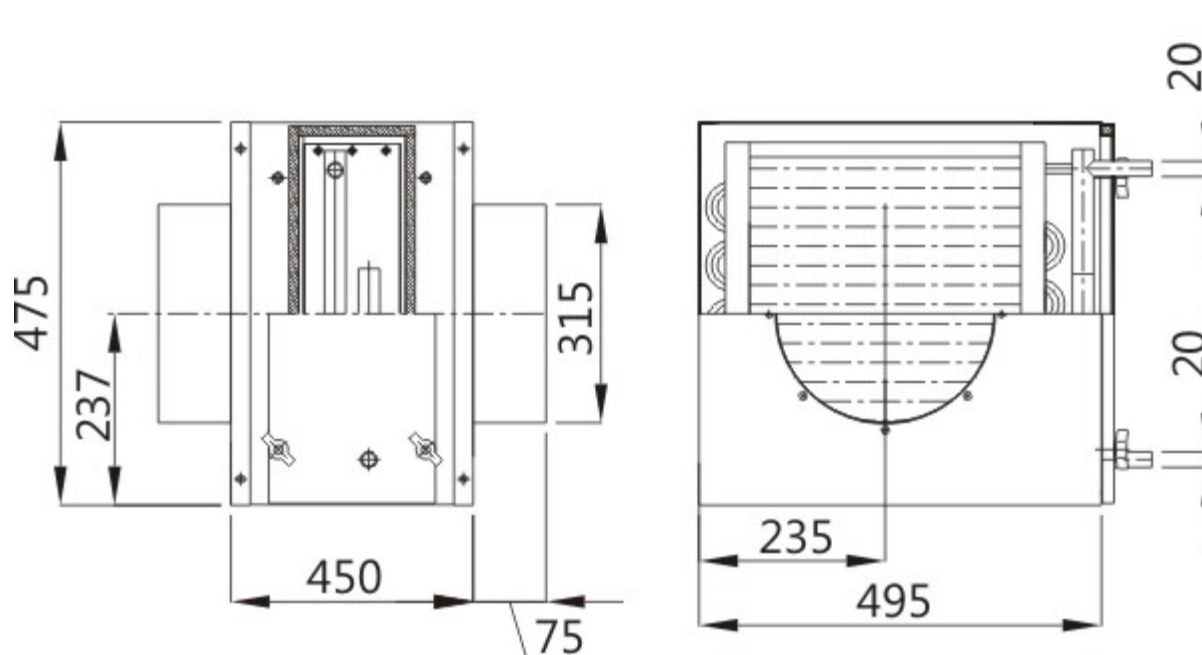
### DIMENSIONS



<b>Connection diameter [mm]</b>	315
<b>Air amount [m<sup>3</sup>/h]</b>	1500
<b>Exchanger rows number</b>	III
<b>Cooling power [kW]</b>	8,8
<b>Air flow resistance [Pa]</b>	71
<b>Water flow resistance [kPa]</b>	16

## KWC-315-CLW-36X40/IV

### DIMENSIONS



<b>Connection diameter [mm]</b>	315
<b>Air amount [m<sup>3</sup>/h]</b>	1500
<b>Exchanger rows number</b>	IV
<b>Cooling power [kW]</b>	9,6
<b>Air flow resistance [Pa]</b>	95
<b>Water flow resistance [kPa]</b>	21

## KWC-355-CLW-43X40/III

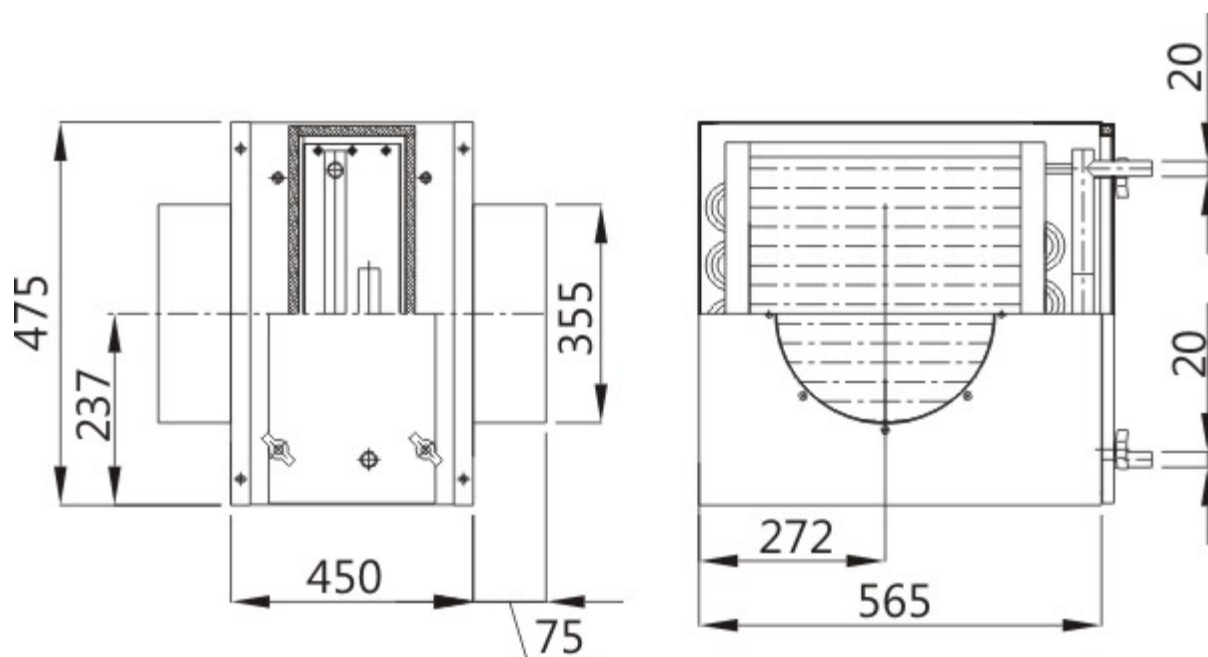
### DIMENSIONS



<b>Connection diameter [mm]</b>	355
<b>Air amount [m<sup>3</sup>/h]</b>	2000
<b>Exchanger rows number</b>	III
<b>Cooling power [kW]</b>	11,5
<b>Air flow resistance [Pa]</b>	105
<b>Water flow resistance [kPa]</b>	19

## KWC-355-CLW-43X40/IV

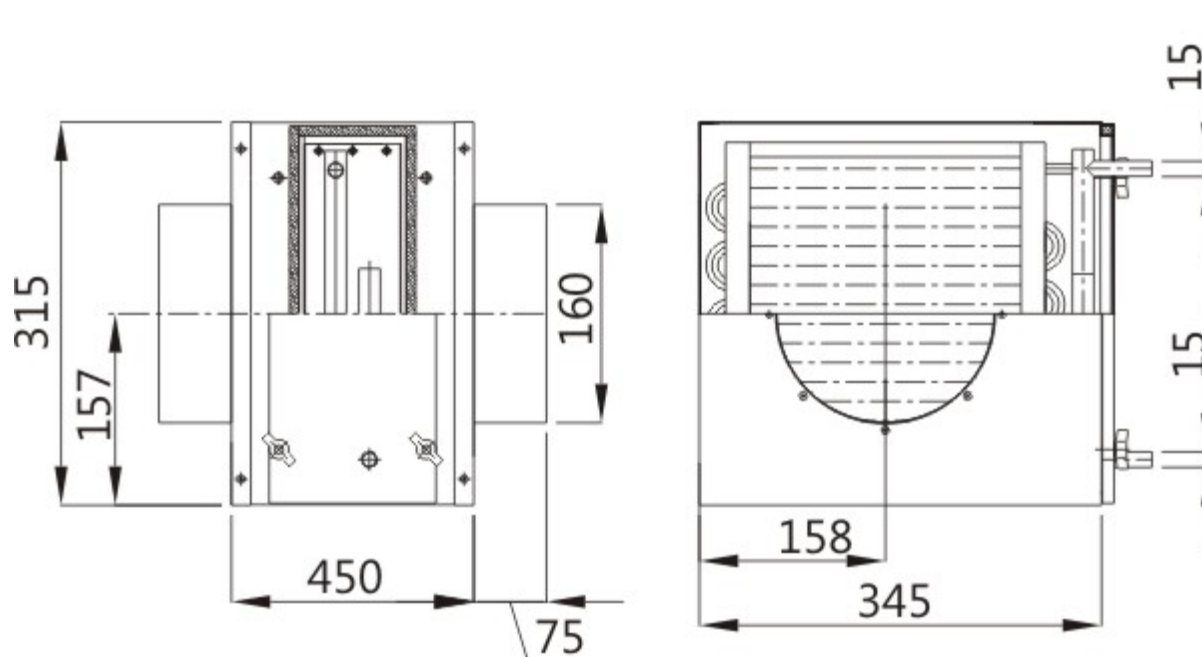
### DIMENSIONS



<b>Connection diameter [mm]</b>	355
<b>Air amount [m<sup>3</sup>/h]</b>	2000
<b>Exchanger rows number</b>	IV
<b>Cooling power [kW]</b>	12,8
<b>Air flow resistance [Pa]</b>	124
<b>Water flow resistance [kPa]</b>	24

## KWC-160-CF-21X24/II

### DIMENSIONS



<b>Connection diameter [mm]</b>	160
<b>Air amount [m<sup>3</sup>/h]</b>	250
<b>Exchanger rows number</b>	II
<b>Cooling power [kW]</b>	1,2
<b>Air flow resistance [Pa]</b>	25

## KWC-200-CF-28X24/II

### DIMENSIONS



<b>Connection diameter [mm]</b>	200
<b>Air amount [m<sup>3</sup>/h]</b>	500
<b>Exchanger rows number</b>	II
<b>Cooling power [kW]</b>	2,1
<b>Air flow resistance [Pa]</b>	32

## KWC-225-CF-28X32/II

### DIMENSIONS



<b>Connection diameter [mm]</b>	225
<b>Air amount [m<sup>3</sup>/h]</b>	750
<b>Exchanger rows number</b>	II
<b>Cooling power [kW]</b>	3,2
<b>Air flow resistance [Pa]</b>	52



## KWC-250-CF-32X32/II

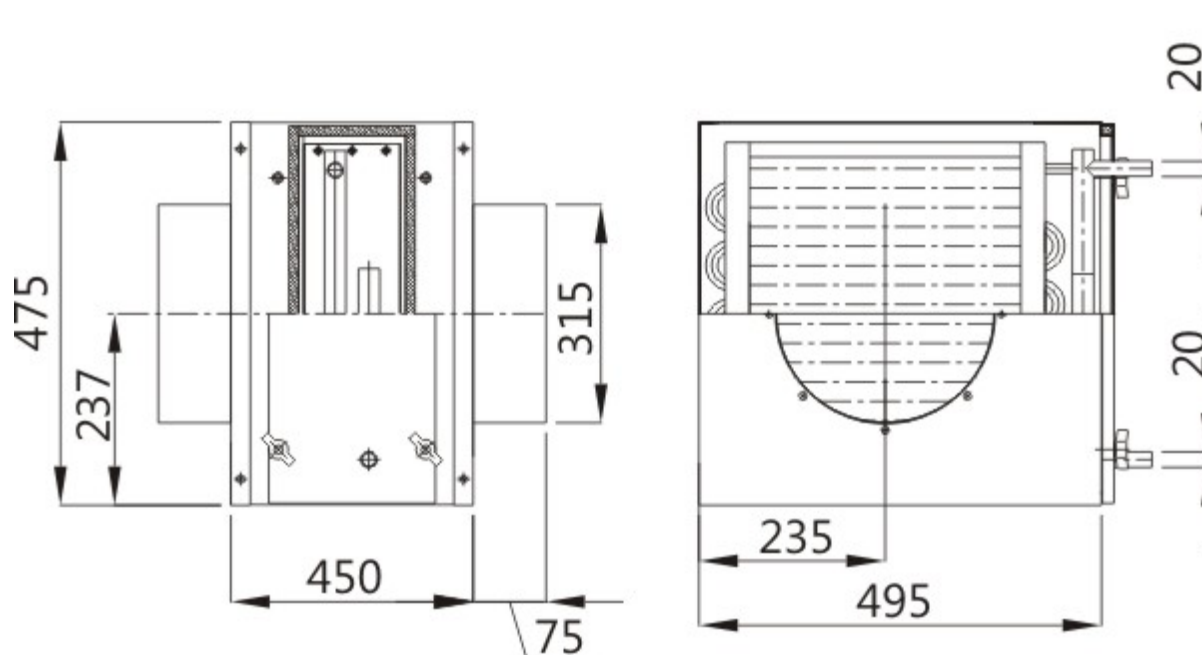
### DIMENSIONS



<b>Connection diameter [mm]</b>	250
<b>Air amount [m<sup>3</sup>/h]</b>	1000
<b>Exchanger rows number</b>	II
<b>Cooling power [kW]</b>	4,2
<b>Air flow resistance [Pa]</b>	72

## KWC-315-CF-36X40/III

### DIMENSIONS



<b>Connection diameter [mm]</b>	315
<b>Air amount [m<sup>3</sup>/h]</b>	1500
<b>Exchanger rows number</b>	III
<b>Cooling power [kW]</b>	5,6
<b>Air flow resistance [Pa]</b>	105

## KWC-355-CF-43X40/III

### DIMENSIONS



<b>Connection diameter [mm]</b>	355
<b>Air amount [m<sup>3</sup>/h]</b>	2000
<b>Exchanger rows number</b>	III
<b>Cooling power [kW]</b>	7,8
<b>Air flow resistance [Pa]</b>	132

## KWC-160-NLW-21X24/II

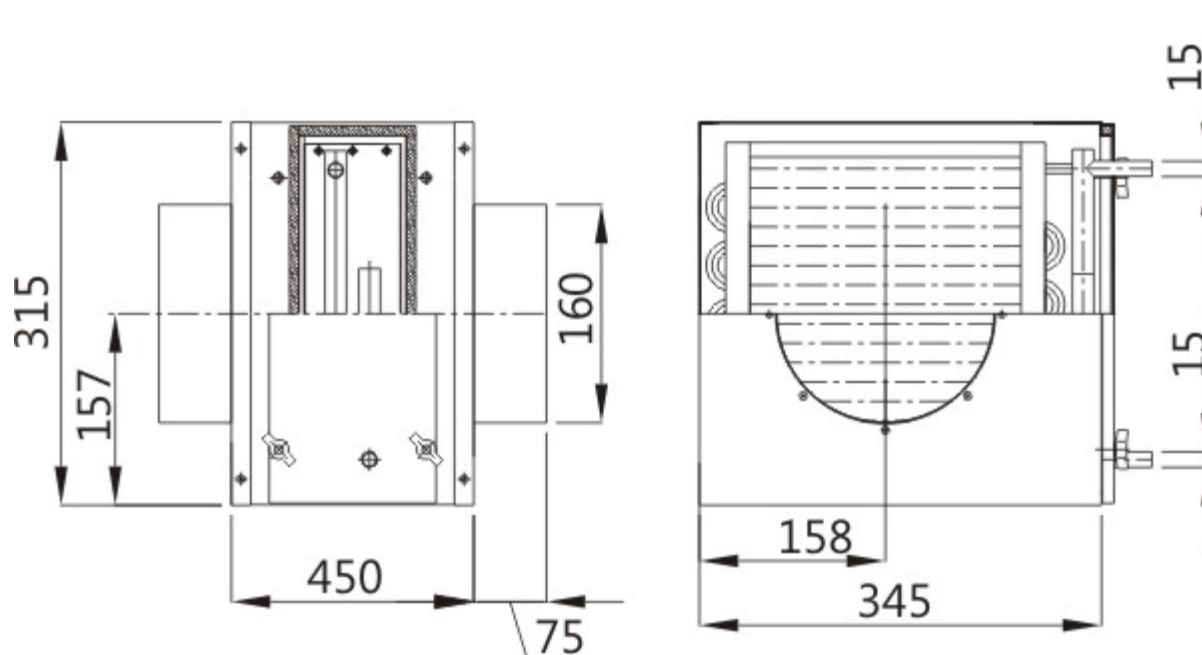
### DIMENSIONS



<b>Connection diameter [mm]</b>	160
<b>Air amount [m<sup>3</sup>/h]</b>	250
<b>Exchanger rows number</b>	II
<b>Cooling power [kW]</b>	2,4
<b>Air flow resistance [Pa]</b>	20
<b>Water flow resistance [kPa]</b>	2,2

## KWC-160-NLW-21X24/III

### DIMENSIONS



<b>Connection diameter [mm]</b>	160
<b>Air amount [m<sup>3</sup>/h]</b>	250
<b>Exchanger rows number</b>	III
<b>Cooling power [kW]</b>	3,7
<b>Air flow resistance [Pa]</b>	26
<b>Water flow resistance [kPa]</b>	2,7

## KWC-200-NLW-28X24/II

### DIMENSIONS



<b>Connection diameter [mm]</b>	200
<b>Air amount [m<sup>3</sup>/h]</b>	500
<b>Exchanger rows number</b>	II
<b>Cooling power [kW]</b>	4,3
<b>Air flow resistance [Pa]</b>	22
<b>Water flow resistance [kPa]</b>	2,6

## KWC-200-NLW-28X24/III

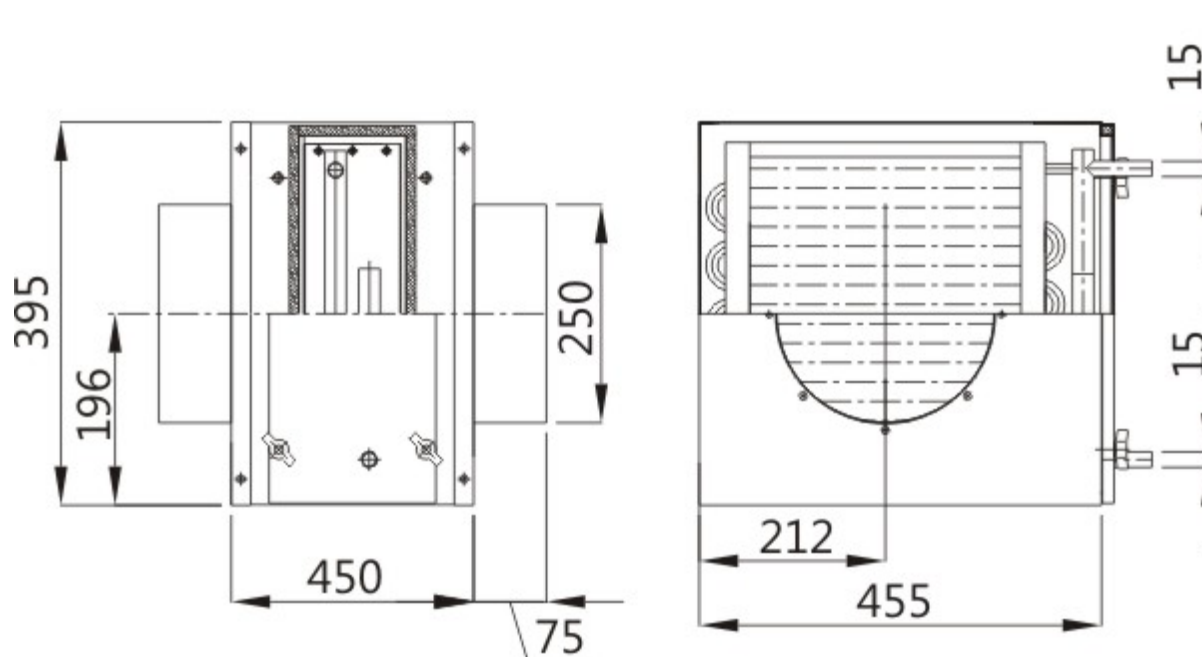
### DIMENSIONS



<b>Connection diameter [mm]</b>	200
<b>Air amount [m<sup>3</sup>/h]</b>	500
<b>Exchanger rows number</b>	III
<b>Cooling power [kW]</b>	5,7
<b>Air flow resistance [Pa]</b>	30
<b>Water flow resistance [kPa]</b>	5,0

## KWC-250-NLW-32X32/II

### DIMENSIONS



<b>Connection diameter [mm]</b>	250
<b>Air amount [m³/h]</b>	1000
<b>Exchanger rows number</b>	II
<b>Cooling power [kW]</b>	7,9
<b>Air flow resistance [Pa]</b>	40
<b>Water flow resistance [kPa]</b>	7



## KWC-250-NLW-32X32/III

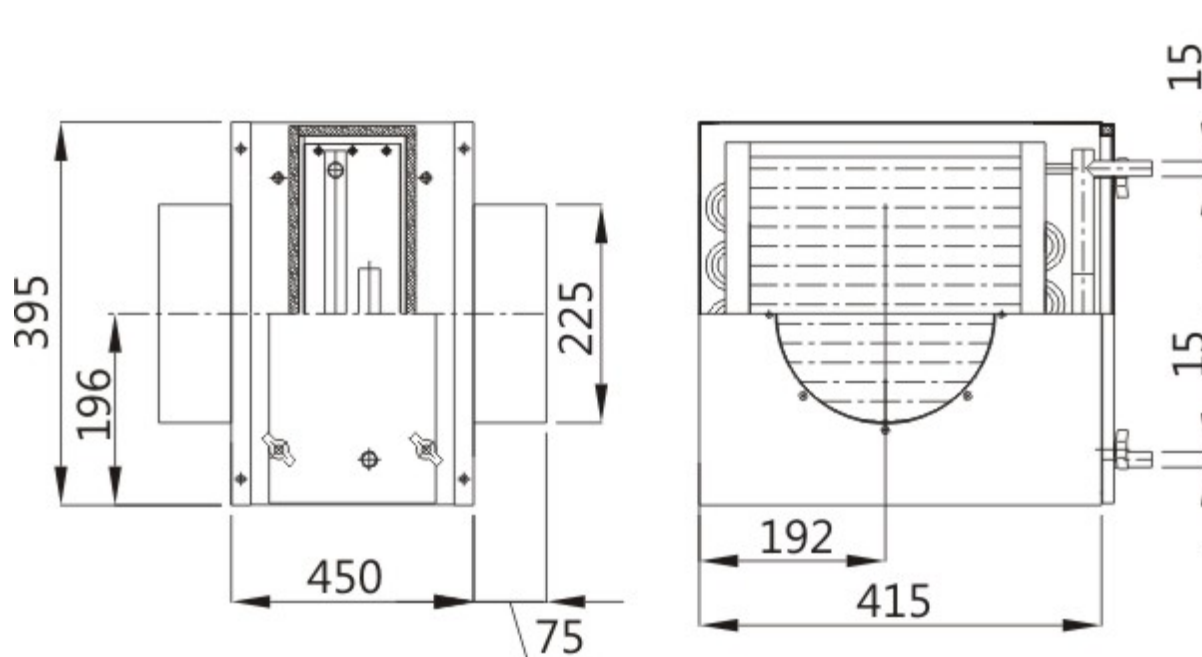
### DIMENSIONS



<b>Connection diameter [mm]</b>	250
<b>Air amount [m<sup>3</sup>/h]</b>	1000
<b>Exchanger rows number</b>	III
<b>Cooling power [kW]</b>	12,9
<b>Air flow resistance [Pa]</b>	61
<b>Water flow resistance [kPa]</b>	11

## KWC-225-NLW-28X32/II

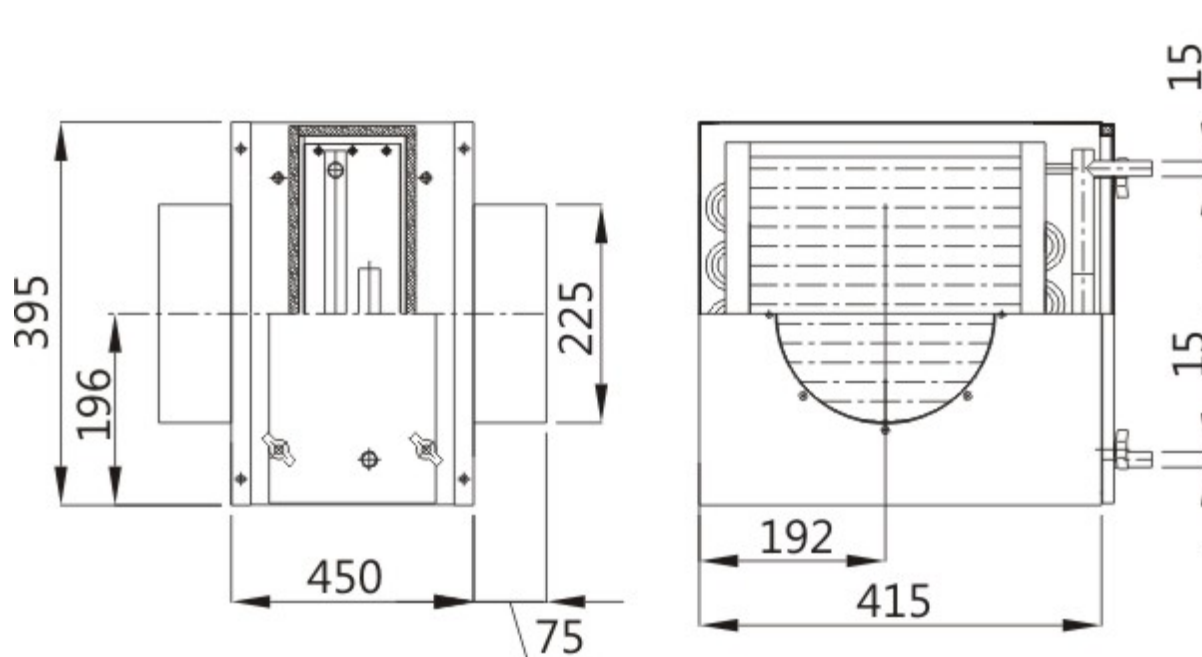
### DIMENSIONS



<b>Connection diameter [mm]</b>	225
<b>Air amount [m<sup>3</sup>/h]</b>	750
<b>Exchanger rows number</b>	II
<b>Cooling power [kW]</b>	6,2
<b>Air flow resistance [Pa]</b>	31
<b>Water flow resistance [kPa]</b>	4

## KWC-225-NLW-28X32/III

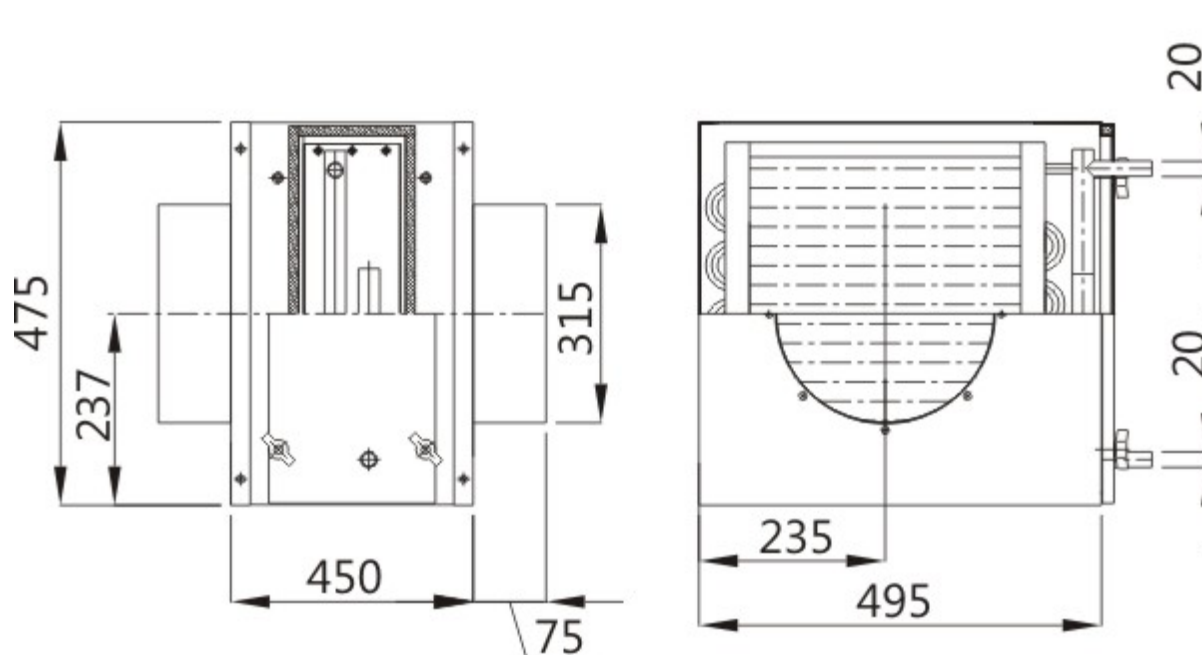
### DIMENSIONS



<b>Connection diameter [mm]</b>	225
<b>Air amount [m<sup>3</sup>/h]</b>	750
<b>Exchanger rows number</b>	III
<b>Cooling power [kW]</b>	9,4
<b>Air flow resistance [Pa]</b>	45
<b>Water flow resistance [kPa]</b>	10

## KWC-315-NLW-36X40/II

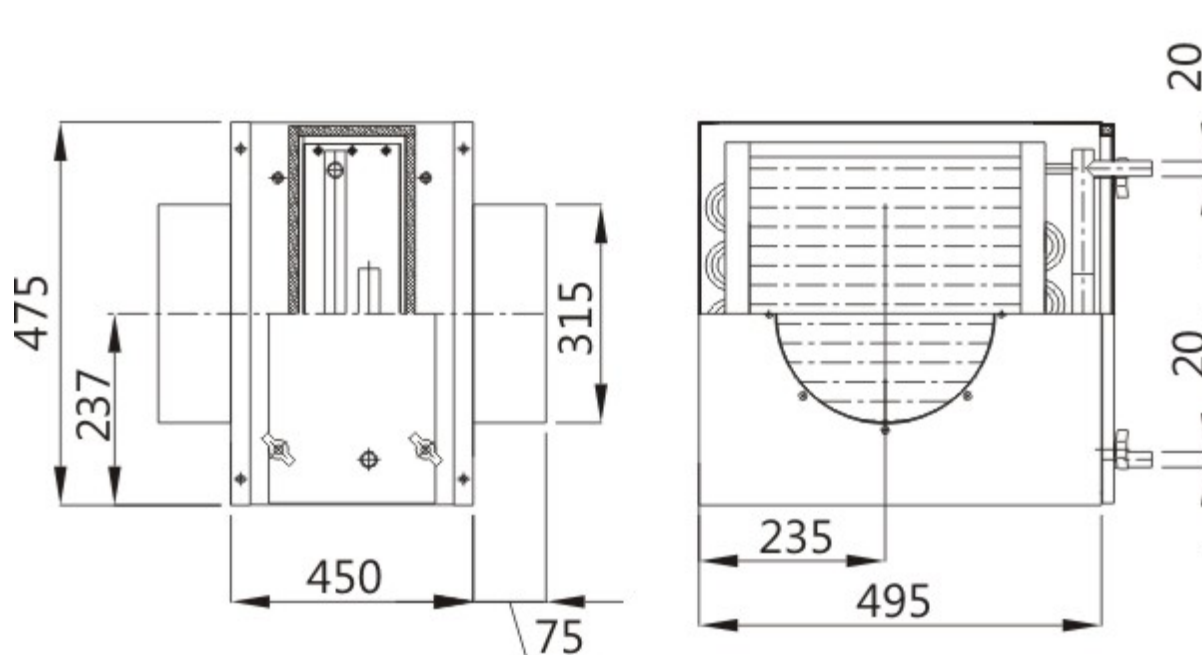
### DIMENSIONS



<b>Connection diameter [mm]</b>	315
<b>Air amount [m<sup>3</sup>/h]</b>	1500
<b>Exchanger rows number</b>	II
<b>Cooling power [kW]</b>	12,4
<b>Air flow resistance [Pa]</b>	43
<b>Water flow resistance [kPa]</b>	8

## KWC-315-NLW-36X40/III

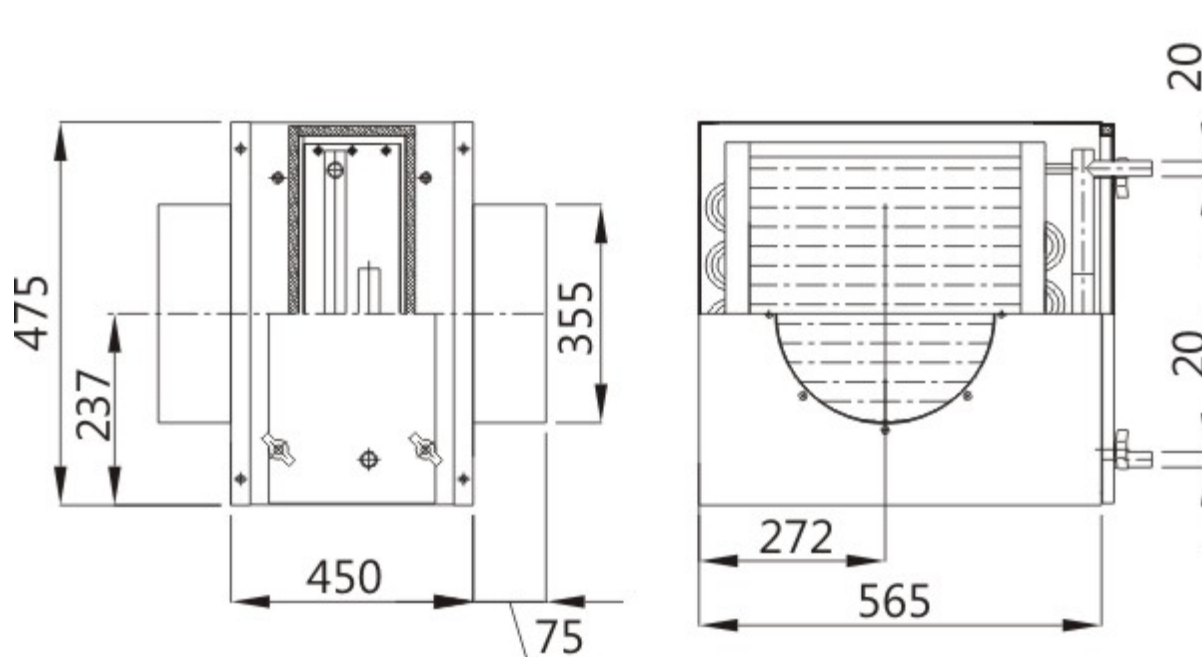
### DIMENSIONS



<b>Connection diameter [mm]</b>	315
<b>Air amount [m<sup>3</sup>/h]</b>	1500
<b>Exchanger rows number</b>	III
<b>Cooling power [kW]</b>	17,9
<b>Air flow resistance [Pa]</b>	63
<b>Water flow resistance [kPa]</b>	11

## KWC-355-NLW-43X40/II

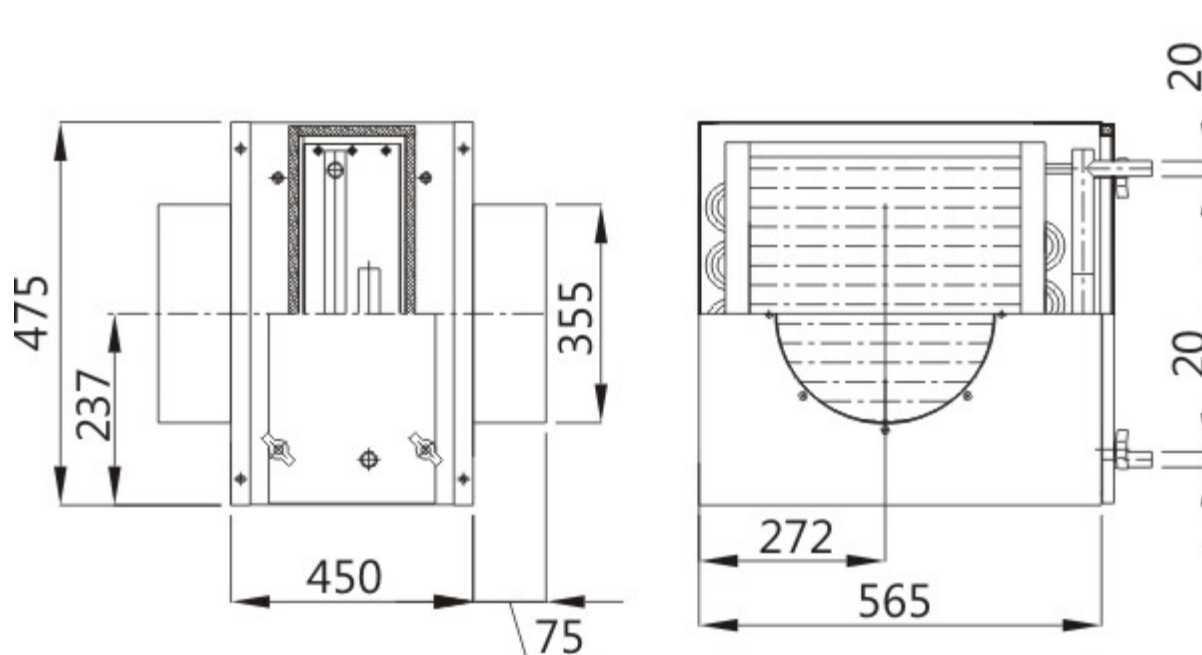
### DIMENSIONS



<b>Connection diameter [mm]</b>	355
<b>Air amount [m<sup>3</sup>/h]</b>	2000
<b>Exchanger rows number</b>	II
<b>Cooling power [kW]</b>	15,9
<b>Air flow resistance [Pa]</b>	51
<b>Water flow resistance [kPa]</b>	20

## KWC-355-NLW-43X40/III

### DIMENSIONS



<b>Connection diameter [mm]</b>	355
<b>Air amount [m<sup>3</sup>/h]</b>	2000
<b>Exchanger rows number</b>	III
<b>Cooling power [kW]</b>	23,1
<b>Air flow resistance [Pa]</b>	75
<b>Water flow resistance [kPa]</b>	17