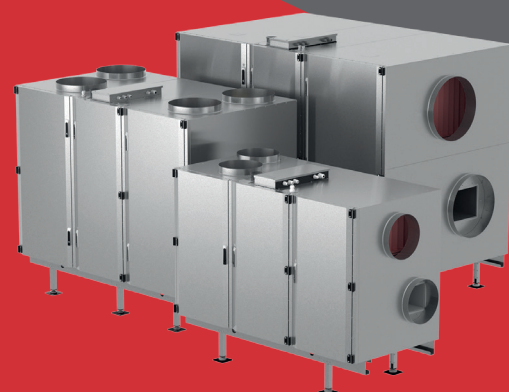




PRODUCT CATALOGUE 2023

# COMPACT ERV UNIT



energy  
efficient  
ventilation

# ENERGY RECOVERY UNIT

## HERU SELECT 500 EC

- Floor model with the option to combine top and side connections.
- Designed for supply and exhaust air ventilation with energy recovery.
- Suitable for installation in larger houses, offices and other premises where high demands are placed on the indoor environment.
- High temperature efficiency, low energy consumption (SFP), low sound level, high operating reliability and provides clean indoor air.
- Unique design minimizes all thermal bridges.
- User-friendly IQ CONTROL with 4.3" touch display for operation and monitoring with the possibility of both wireless and wired communication.
- Integrated Modbus communication. No accessories needed.
- Easy installation wizard.
- Scheduled operation.
- Supports use of presence sensors, RH/ CO2/ VOC.
- Airflow is generated by two silent radial fans with EC motors and impellers with backward curved blades.
- The fans are connected using quick connectors and are very easy to remove for cleaning.

- A regenerative, non hygroscopic, aluminum rotating heat exchanger located in the center of the unit. The heat exchanger can be disassembled for cleaning.
- Delivered with bag filter ISO ePM1 60% as standard, for both extract and supply air. The filters are very easy to change.
- Integrated controls for heating/cooling. Increases thermal comfort by heat recovery or night cooling.
- Ordered with built-in electric heater or heating coil.
- The inner and outer casing of the unit is made of Al-Zn and meets C4 requirements.
- 50 mm insulation.
- Place in warm space indoors.
- The stand can be mounted in two different heights, 138 or 313 mm.
- Available in either right-hand or left-hand design.
- Delivered in separate sections to simplify transport and installation.
- Three-year warranty for continuous operation.

### ACCESSORIES

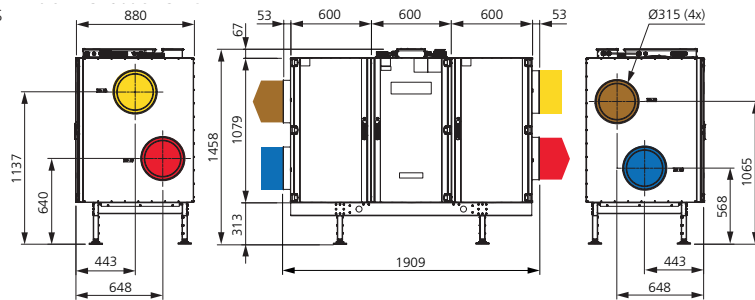
- Filter
- Cooling coil
- Humidity/temperature sensor
- Carbon dioxide sensor CO2
- Room temperature sensor
- Extension cable, antenna IQC
- Pressure Control IQC
- Active dock holder IQC (is included)
- Extension board (is included)
- Pressure Sensor (is included)

NOTE! The warranty of HERU is only valid if accessories/equipment (e.g. filters) from H. Östberg AB are used.



### DIMENSIONS (mm)

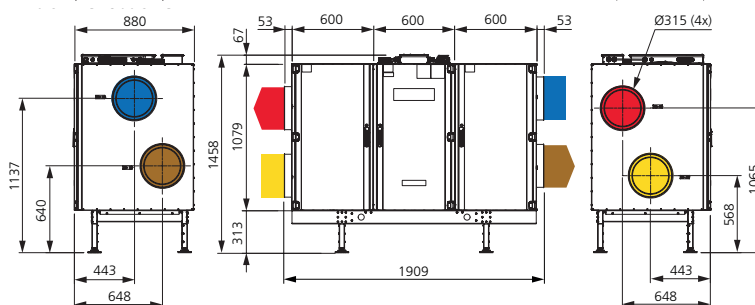
RIGHT-HAND DESIGN HERU SELECT 500 S



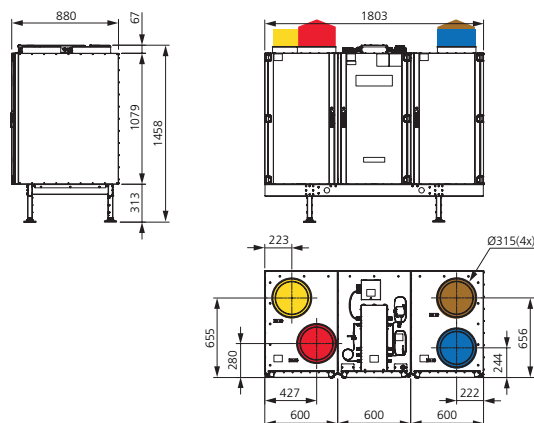
### CONNECTIONS

- Supply air
- Extract air
- Exhaust air
- Fresh air

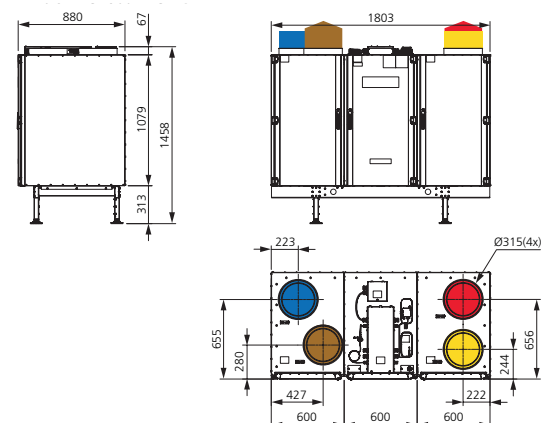
LEFT-HAND DESIGN HERU SELECT 500 S



LEFT-HAND DESIGN HERU SELECT 500 S



RIGHT-HAND DESIGN HERU SELECT 500T





# ENERGY RECOVERY UNIT

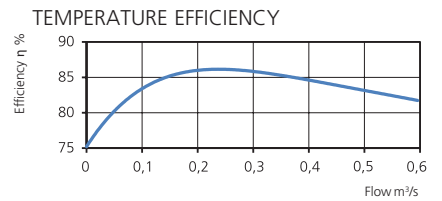
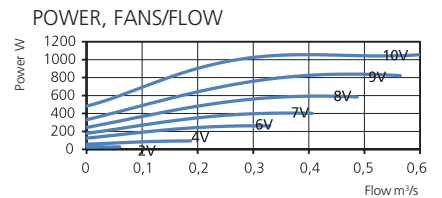
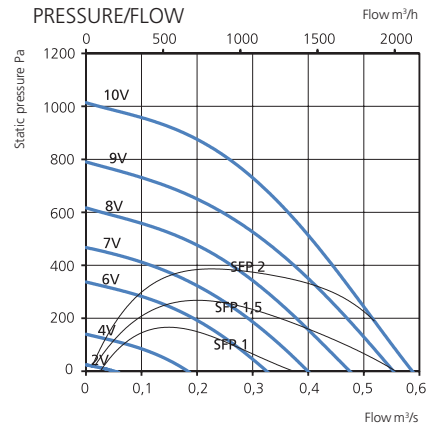
## HERU SELECT 500 EC

### TECHNICAL DATA

| HERU SELECT 500 EC               | Electric heater | Heating coil |               |
|----------------------------------|-----------------|--------------|---------------|
| <b>Voltage</b>                   | 400             | 230          | <b>V</b>      |
| <b>Frequency</b>                 | 50              | 50           | <b>Hz</b>     |
| <b>Phase</b>                     | 3               | 1            | <b>~</b>      |
| <b>Current, 2 fans</b>           | 4,6             | 4,6          | <b>A</b>      |
| <b>Current, electric heater</b>  | 8,7             | N/A          | <b>A</b>      |
| <b>Total Current</b>             | 13,8            | 5,2          | <b>A</b>      |
| <b>Power, 2 fans</b>             | 1049            | 1049         | <b>W</b>      |
| <b>Power, electric heater</b>    | 6000            | N/A          | <b>W</b>      |
| <b>Total power</b>               | 7180            | 1180         | <b>W</b>      |
| <b>Speed</b>                     | 2390            | 2390         | <b>rpm</b>    |
| <b>Enclosure class</b>           | 44              | 44           | <b>IP</b>     |
| <b>Sound pressure level, 3 m</b> | 48              | 48           | <b>dB LpA</b> |
| <b>Weight</b>                    | 312-318         | 311-317      | <b>kg</b>     |

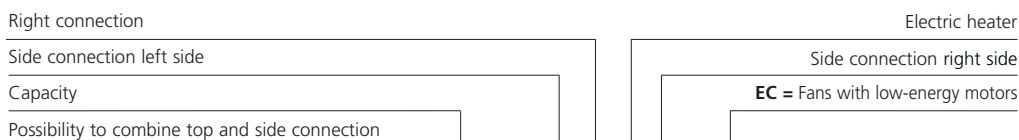
### SOUND DATA (dB)

|                       | Total (L <sub>max</sub> ) | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1k Hz | 2k Hz | 4k Hz | 8k Hz |
|-----------------------|---------------------------|-------|--------|--------|--------|-------|-------|-------|-------|
| <b>10 V / 438 l/s</b> |                           |       |        |        |        |       |       |       |       |
| Surrounding           | 55                        | 45    | 50     | 49     | 46     | 43    | 41    | 36    | 30    |
| Supply air            | 87                        | 62    | 66     | 82     | 81     | 78    | 80    | 72    | 66    |
| Extract air           | 63                        | 52    | 51     | 60     | 57     | 51    | 48    | 39    | 21    |
| <b>9 V / 392 l/s</b>  |                           |       |        |        |        |       |       |       |       |
| Surrounding           | 53                        | 44    | 48     | 48     | 45     | 41    | 40    | 34    | 30    |
| Supply air            | 85                        | 61    | 66     | 80     | 79     | 77    | 79    | 71    | 65    |
| Extract air           | 62                        | 50    | 50     | 59     | 56     | 49    | 46    | 37    | 20    |
| <b>8 V / 345 l/s</b>  |                           |       |        |        |        |       |       |       |       |
| Surrounding           | 51                        | 41    | 45     | 45     | 43     | 39    | 36    | 32    | 29    |
| Supply air            | 81                        | 59    | 63     | 76     | 74     | 73    | 75    | 67    | 62    |
| Extract air           | 60                        | 47    | 48     | 57     | 52     | 46    | 42    | 33    | 17    |
| <b>7 V / 291 l/s</b>  |                           |       |        |        |        |       |       |       |       |
| Surrounding           | 49                        | 40    | 42     | 43     | 43     | 36    | 33    | 29    | 28    |
| Supply air            | 78                        | 56    | 61     | 74     | 71     | 69    | 71    | 63    | 56    |
| Extract air           | 59                        | 43    | 44     | 58     | 48     | 43    | 39    | 29    | 12    |
| <b>6 V / 239 l/s</b>  |                           |       |        |        |        |       |       |       |       |
| Surrounding           | 46                        | 32    | 39     | 40     | 42     | 32    | 30    | 28    | 28    |
| Supply air            | 74                        | 52    | 59     | 70     | 68     | 64    | 65    | 59    | 47    |
| Extract air           | 56                        | 40    | 40     | 55     | 46     | 39    | 34    | 25    | 9     |
| <b>4 V / 135 l/s</b>  |                           |       |        |        |        |       |       |       |       |
| Surrounding           | 43                        | 25    | 35     | 28     | 41     | 27    | 25    | 26    | 28    |
| Supply air            | 61                        | 43    | 53     | 53     | 54     | 55    | 51    | 42    | 29    |
| Extract air           | 43                        | 33    | 36     | 39     | 37     | 28    | 22    | 12    | 9     |
| <b>2 V / 43 l/s</b>   |                           |       |        |        |        |       |       |       |       |
| Surrounding           | 41                        | 22    | 29     | 24     | 40     | 26    | 24    | 26    | 28    |
| Supply air            | 43                        | 30    | 32     | 33     | 31     | 34    | 32    | 39    | 22    |
| Extract air           | 28                        | 20    | 17     | 24     | 22     | 15    | 10    | 10    | 9     |



Pressure/airflow diagrams apply for both supply and extract air. Power and SFP apply for both of the fans together.

| TYPE                            | Art.no  |
|---------------------------------|---------|
| HERU Select 500 Stand           | 8040001 |
| HERU Select 500 Right Top assy  | 8040002 |
| HERU Select 500 Right Side assy | 8040003 |
| HERU Select 500 Left Top assy   | 8040004 |
| HERU Select 500 Left Side assy  | 8040005 |
| HERU Select 500 Rotorcabinet RE | 8040006 |
| HERU Select 500 Rotorcabinet LE | 8040007 |
| HERU Select 500 Rotorcabinet RW | 8040008 |
| HERU Select 500 Rotorcabinet LW | 8040009 |



HERU SELECT 500 SRES EC

# ENERGY RECOVERY UNIT

## HERU SELECT 1000 EC

- Floor model with the option to combine top and side connections.
- Designed for supply and exhaust air ventilation with energy recovery.
- Suitable for installation in larger houses, offices and other premises where high demands are placed on the indoor environment.
- High temperature efficiency, low energy consumption (SFP), low sound level, high operating reliability and provides clean indoor air.
- Unique design minimizes all thermal bridges.
- User-friendly IQ CONTROL with 4.3" touch display for operation and monitoring with the possibility of both wireless and wired communication.
- Integrated Modbus communication. No accessories needed.
- Easy installation wizard.
- Scheduled operation.
- Supports use of presence sensors, RH/ CO2/ VOC.
- Airflow is generated by two silent radial fans with EC motors and impellers with backward curved blades.
- The fans are connected using quick connectors and are very easy to remove for cleaning.

- A regenerative, non hygroscopic, aluminum rotating heat exchanger located in the center of the unit. The heat exchanger can be disassembled for cleaning.
- Delivered with bag filter ISO ePM1 60% as standard, for both extract and supply air. The filters are very easy to change.
- Integrated controls for heating/cooling. Increases thermal comfort by heat recovery or night cooling.
- Ordered with built-in electric heater or heating coil.
- The inner and outer casing of the unit is made of Al-Zn and meets C4 requirements.
- 50 mm insulation.
- Place in warm space indoors.
- The stand can be mounted in two different heights, 138 or 313 mm.
- Available in either right-hand or left-hand design.
- Delivered in separate sections to simplify transport and installation.
- Three-year warranty for continuous operation.

### ACCESSORIES

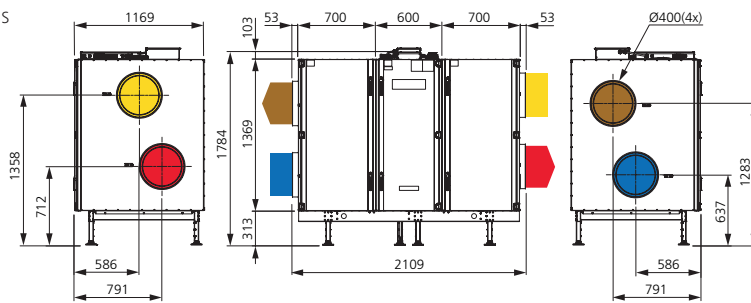
- Filter
- Cooling coil
- Humidity/temperature sensor
- Carbon dioxide sensor CO2
- Room temperature sensor
- Extension cable, antenna IQC
- Pressure Control IQC
- Active dock holder IQC (is included)
- Extension board (is included)
- Pressure Sensor (is included)

NOTE! The warranty of HERU is only valid if accessories/equipment (e.g. filters) from H. Östberg AB are used.

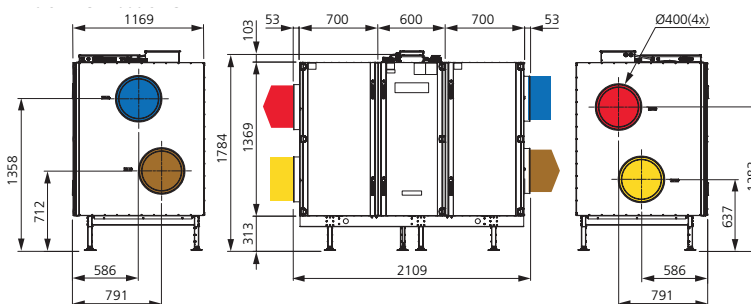


### DIMENSIONS (mm)

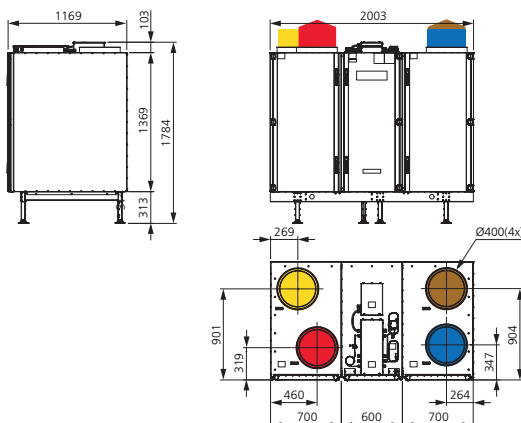
RIGHT-HAND DESIGN HERU SELECT 1000 S



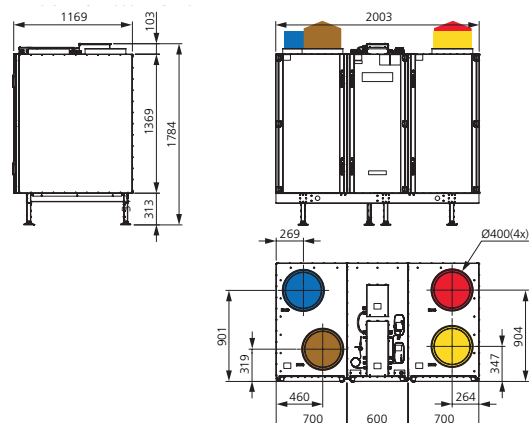
LEFT-HAND DESIGN HERU SELECT 1000 S



LEFT-HAND DESIGN HERU SELECT 1000 T



RIGHT-HAND DESIGN HERU SELECT 1000 T



### CONNECTIONS

- Supply air
- Extract air
- Exhaust air
- Fresh air



# ENERGY RECOVERY UNIT

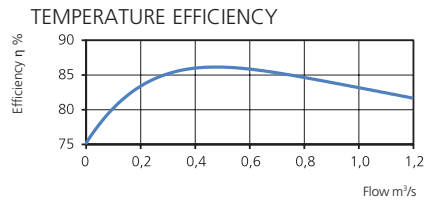
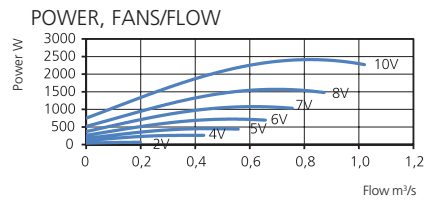
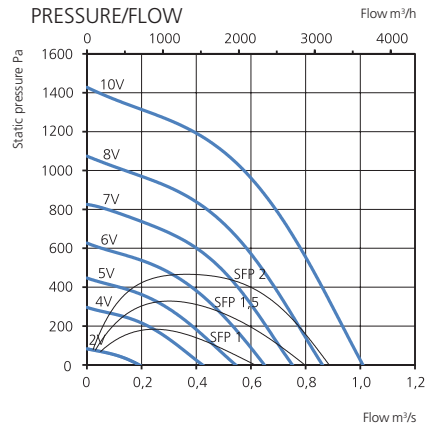
## HERU SELECT 1000 EC

### TECHNICAL DATA

| HERU SELECT 1000 EC              | Electric heater | Heating coil |               |
|----------------------------------|-----------------|--------------|---------------|
| <b>Voltage</b>                   | 400             | 400          | <b>V</b>      |
| <b>Frequency</b>                 | 50              | 50           | <b>Hz</b>     |
| <b>Phase</b>                     | 3               | 3            | <b>~</b>      |
| <b>Current, 2 fans</b>           | 3,8             | 3,8          | <b>A</b>      |
| <b>Current, electric heater</b>  | 15,2            | N/A          | <b>A</b>      |
| <b>Total current</b>             | 19,5            | 4,3          | <b>A</b>      |
| <b>Power, 2 fans</b>             | 2416            | 2416         | <b>W</b>      |
| <b>Power, electric heater</b>    | 10500           | N/A          | <b>W</b>      |
| <b>Total power</b>               | 13040           | 2540         | <b>W</b>      |
| <b>Speed</b>                     | 2510            | 2510         | <b>rpm</b>    |
| <b>Enclosure class</b>           | 44              | 44           | <b>IP</b>     |
| <b>Sound pressure level, 3 m</b> | 55              | 55           | <b>dB LpA</b> |
| <b>Weight</b>                    | 468-478         | 466-476      | <b>kg</b>     |

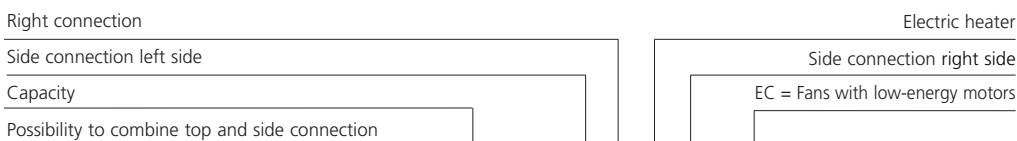
### SOUND DATA (dB)

|                       | Total (L <sub>WA</sub> ) | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1k Hz | 2k Hz | 4k Hz | 8k Hz |
|-----------------------|--------------------------|-------|--------|--------|--------|-------|-------|-------|-------|
| <b>10 V / 846 l/s</b> |                          |       |        |        |        |       |       |       |       |
| Surrounding           | 62                       | 50    | 56     | 57     | 53     | 51    | 49    | 43    | 35    |
| Supply air            | 95                       | 69    | 73     | 88     | 87     | 91    | 89    | 81    | 75    |
| Extract air           | 71                       | 56    | 57     | 68     | 66     | 62    | 57    | 41    | 24    |
| <b>8 V / 717 l/s</b>  |                          |       |        |        |        |       |       |       |       |
| Surrounding           | 59                       | 46    | 52     | 56     | 52     | 47    | 45    | 39    | 32    |
| Supply air            | 91                       | 65    | 70     | 86     | 82     | 86    | 84    | 76    | 70    |
| Extract air           | 68                       | 54    | 54     | 65     | 63     | 57    | 51    | 37    | 20    |
| <b>7 V / 646 l/s</b>  |                          |       |        |        |        |       |       |       |       |
| Surrounding           | 56                       | 49    | 50     | 52     | 45     | 43    | 41    | 36    | 31    |
| Supply air            | 87                       | 62    | 68     | 80     | 79     | 82    | 81    | 72    | 66    |
| Extract air           | 65                       | 51    | 52     | 63     | 59     | 53    | 47    | 33    | 17    |
| <b>6 V / 552 l/s</b>  |                          |       |        |        |        |       |       |       |       |
| Surrounding           | 52                       | 39    | 47     | 47     | 43     | 39    | 38    | 32    | 30    |
| Supply air            | 83                       | 59    | 66     | 79     | 74     | 78    | 75    | 68    | 61    |
| Extract air           | 63                       | 48    | 50     | 62     | 54     | 49    | 42    | 29    | 14    |
| <b>5 V / 448 l/s</b>  |                          |       |        |        |        |       |       |       |       |
| Surrounding           | 50                       | 35    | 43     | 48     | 41     | 36    | 33    | 30    | 29    |
| Supply air            | 80                       | 57    | 64     | 77     | 71     | 73    | 70    | 64    | 55    |
| Extract air           | 63                       | 46    | 48     | 62     | 48     | 44    | 37    | 25    | 11    |
| <b>4 V / 351 l/s</b>  |                          |       |        |        |        |       |       |       |       |
| Surrounding           | 46                       | 30    | 44     | 38     | 38     | 33    | 31    | 29    | 29    |
| Supply air            | 73                       | 51    | 67     | 67     | 63     | 66    | 64    | 58    | 48    |
| Extract air           | 52                       | 38    | 46     | 49     | 42     | 39    | 32    | 21    | 9     |
| <b>2 V / 166 l/s</b>  |                          |       |        |        |        |       |       |       |       |
| Surrounding           | 39                       | 29    | 29     | 30     | 34     | 30    | 28    | 28    | 29    |
| Supply air            | 58                       | 48    | 47     | 50     | 49     | 53    | 48    | 45    | 40    |
| Extract air           | 38                       | 30    | 27     | 34     | 30     | 33    | 21    | 13    | 9     |



Pressure/airflow diagrams apply for both supply and extract air. Power and SFP apply for both of the fans together.

| TYPE                             | Art.no. |
|----------------------------------|---------|
| HERU Select 1000 Stand           | 8040020 |
| HERU Select 1000 Right Top assy  | 8040021 |
| HERU Select 1000 Right Side assy | 8040022 |
| HERU Select 1000 Left Top assy   | 8040023 |
| HERU Select 1000 Left Side assy  | 8040024 |
| HERU Select 1000 Rotorcabinet RE | 8040025 |
| HERU Select 1000 Rotorcabinet LE | 8040026 |
| HERU Select 1000 Rotorcabinet RW | 8040027 |
| HERU Select 1000 Rotorcabinet LW | 8040028 |



# HERU SELECT 1000 SRES EC

# ENERGY RECOVERY UNIT

## HERU SELECT 1500 EC

- Floor model with the option to combine top and side connections.
- Designed for supply and exhaust air ventilation with energy recovery.
- Suitable for installation in larger houses, offices and other premises where high demands are placed on the indoor environment.
- High temperature efficiency, low energy consumption (SFP), low sound level, high operating reliability and provides clean indoor air.
- Unique design minimizes all thermal bridges.
- User-friendly IQ CONTROL with 4.3" touch display for operation and monitoring with the possibility of both wireless and wired communication.
- Integrated Modbus communication. No accessories needed.
- Easy installation wizard.
- Scheduled operation.
- Supports use of presence sensors, RH/ CO2/ VOC.
- Airflow is generated by two silent radial fans with EC motors and impellers with backward curved blades.
- The fans are connected using quick connectors and are very easy to remove for cleaning.
- A regenerative, non hygroscopic, aluminum rotating heat exchanger located in the center of the unit. The heat exchanger can be disassembled for cleaning.
- Delivered with bag filter ISO ePM1 60% as standard, for both extract and supply air. The filters are very easy to change.
- Integrated controls for heating/cooling. Increases thermal comfort by heat recovery or night cooling.
- Ordered with built-in electric heater or heating coil.
- The inner and outer casing of the unit is made of Al-Zn and meets C4 requirements.
- 50 mm insulation.
- Place in warm space indoors.
- The stand can be mounted in two different heights, 138 or 313 mm.
- Available in either right-hand or left-hand design.
- Delivered in separate sections to simplify transport and installation.
- Three-year warranty for continuous operation.

### ACCESSORIES

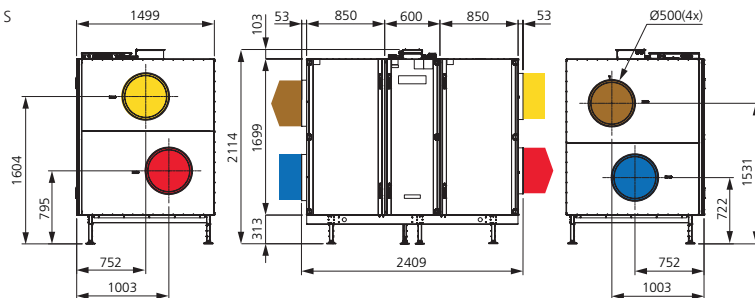
- Filter
- Cooling coil
- Humidity/temperature sensor
- Carbon dioxide sensor CO2
- Room temperature sensor
- Extension cable, antenna IQC
- Pressure Control IQC
- Active dock holder IQC (is included)
- Extension board (is included)
- Pressure Sensor (is included)

NOTE! The warranty of HERU is only valid if accessories/equipment (e.g. filters) from H. Östberg AB are used.

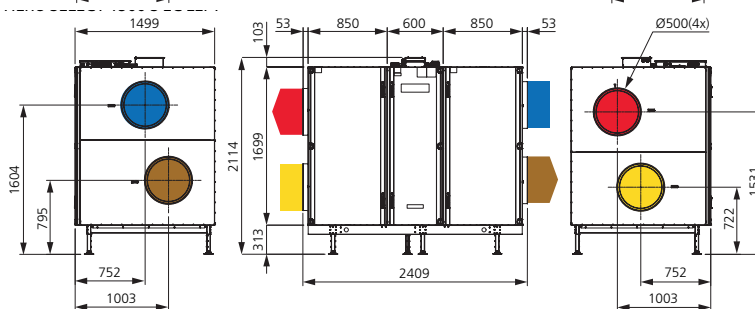


### DIMENSIONS (mm)

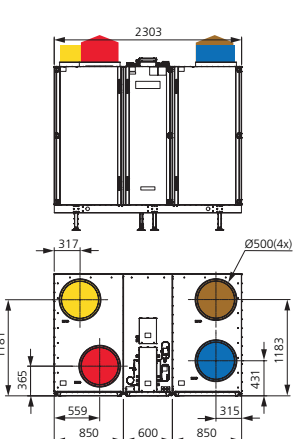
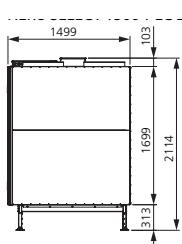
RIGHT-HAND DESIGN HERU SELECT 1500 S



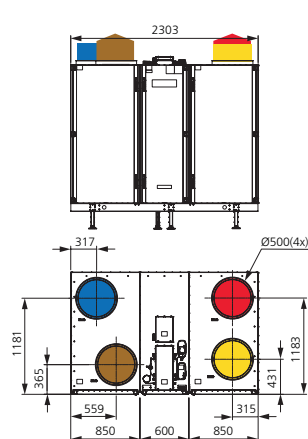
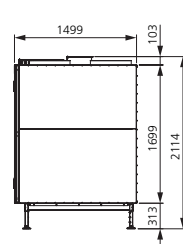
LEFT-HAND DESIGN HERU SELECT 1500 S



LEFT-HAND DESIGN HERU SELECT 1500 T



RIGHT-HAND DESIGN HERU SELECT 1500 T



### CONNECTIONS

- Supply air
- Extract air
- Exhaust air
- Fresh air



# ENERGY RECOVERY UNIT

## HERU SELECT 1500 EC

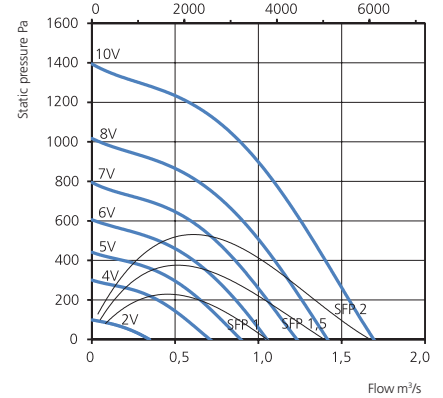
### TECHNICAL DATA

| HERU SELECT 1500 EC              | Electric heater | Heating coil |               |
|----------------------------------|-----------------|--------------|---------------|
| <b>Voltage</b>                   | 400             | 400          | <b>V</b>      |
| <b>Frequency</b>                 | 50              | 50           | <b>Hz</b>     |
| <b>Phase</b>                     | 3               | 3            | <b>~</b>      |
| <b>Current, 2 fans</b>           | 5,6             | 5,6          | <b>A</b>      |
| <b>Current, electric heater</b>  | 27,7            | N/A          | <b>A</b>      |
| <b>Total current</b>             | 33,9            | 6,2          | <b>A</b>      |
| <b>Power, 2 fans</b>             | 3643            | 3643         | <b>W</b>      |
| <b>Power, electric heater</b>    | 19200           | N/A          | <b>W</b>      |
| <b>Total power</b>               | 22970           | 3770         | <b>W</b>      |
| <b>Speed</b>                     | 1960            | 1960         | <b>rpm</b>    |
| <b>Enclosure class</b>           | 44              | 44           | <b>IP</b>     |
| <b>Sound pressure level, 3 m</b> | 59              | 59           | <b>dB LpA</b> |
| <b>Weight</b>                    | 720-739         | 713-732      | <b>kg</b>     |

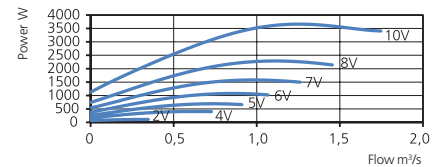
### SOUND DATA (dB)

|                        | Total (L <sub>max</sub> ) | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1k Hz | 2k Hz | 4k Hz | 8k Hz |
|------------------------|---------------------------|-------|--------|--------|--------|-------|-------|-------|-------|
| <b>10 V / 1245 l/s</b> |                           |       |        |        |        |       |       |       |       |
| Surrounding            | 66                        | 55    | 59     | 64     | 54     | 54    | 50    | 43    | 36    |
| Supply air             | 93                        | 66    | 72     | 85     | 84     | 90    | 84    | 79    | 73    |
| Extract air            | 71                        | 57    | 56     | 67     | 64     | 64    | 57    | 46    | 27    |
| <b>8 V / 1092 l/s</b>  |                           |       |        |        |        |       |       |       |       |
| Surrounding            | 63                        | 51    | 55     | 61     | 52     | 48    | 46    | 39    | 32    |
| Supply air             | 90                        | 63    | 69     | 83     | 83     | 86    | 80    | 75    | 69    |
| Extract air            | 66                        | 53    | 54     | 60     | 62     | 59    | 54    | 41    | 23    |
| <b>7 V / 949 l/s</b>   |                           |       |        |        |        |       |       |       |       |
| Surrounding            | 58                        | 46    | 52     | 54     | 50     | 46    | 43    | 36    | 31    |
| Supply air             | 86                        | 61    | 67     | 80     | 79     | 83    | 77    | 71    | 65    |
| Extract air            | 64                        | 49    | 52     | 60     | 57     | 56    | 54    | 37    | 20    |
| <b>6 V / 833 l/s</b>   |                           |       |        |        |        |       |       |       |       |
| Surrounding            | 55                        | 44    | 51     | 50     | 44     | 43    | 40    | 32    | 30    |
| Supply air             | 82                        | 56    | 71     | 73     | 74     | 78    | 73    | 67    | 60    |
| Extract air            | 61                        | 45    | 56     | 55     | 53     | 53    | 48    | 34    | 17    |
| <b>5 V / 692 l/s</b>   |                           |       |        |        |        |       |       |       |       |
| Surrounding            | 53                        | 39    | 50     | 46     | 41     | 40    | 36    | 30    | 30    |
| Supply air             | 78                        | 52    | 69     | 70     | 69     | 74    | 68    | 63    | 54    |
| Extract air            | 56                        | 41    | 51     | 48     | 50     | 49    | 42    | 30    | 15    |
| <b>4 V / 560 l/s</b>   |                           |       |        |        |        |       |       |       |       |
| Surrounding            | 51                        | 35    | 50     | 42     | 38     | 36    | 33    | 29    | 30    |
| Supply air             | 72                        | 48    | 64     | 63     | 64     | 68    | 62    | 58    | 45    |
| Extract air            | 51                        | 37    | 46     | 45     | 45     | 44    | 38    | 25    | 13    |
| <b>2 V / 296 l/s</b>   |                           |       |        |        |        |       |       |       |       |
| Surrounding            | 41                        | 33    | 33     | 34     | 33     | 33    | 32    | 28    | 30    |
| Supply air             | 55                        | 43    | 43     | 46     | 47     | 50    | 46    | 38    | 30    |
| Extract air            | 38                        | 31    | 29     | 30     | 33     | 32    | 24    | 16    | 13    |

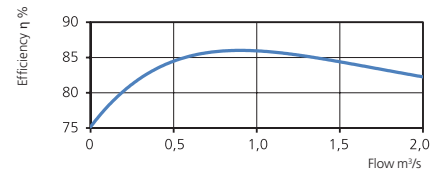
### PRESSURE/FLOW



### POWER, FANS/FLOW



### TEMPERATURE EFFICIENCY



Pressure/airflow diagrams apply for both supply and extract air. Power and SFP apply for both of the fans together.

### TYPE

| TYPE                             | Art.no. |
|----------------------------------|---------|
| HERU Select 1500 High heel frame | 8040040 |
| HERU Select 1500 Right Top assy  | 8040041 |
| HERU Select 1500 Right Side assy | 8040042 |
| HERU Select 1500 Left Top assy   | 8040043 |
| HERU Select 1500 Left Side assy  | 8040044 |
| HERU Select 1500 Rotorcabinet RE | 8040045 |
| HERU Select 1500 Rotorcabinet LE | 8040046 |
| HERU Select 1500 Rotorcabinet RW | 8040047 |
| HERU Select 1500 Rotorcabinet LW | 8040048 |

Right connection

Side connection left side

Capacity

Possibility to combine top and side connection

Electric heater

Side connection right side

EC = Fans with low-energy motors

# HERU SELECT 1500 SRES EC

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