

DATA SHEET**Base data**

Description	N1W1	-
Supply air flow	1560	m3/h
Dispositional pressure	350	Pa
Exhaust air flow	1250	m3/h
Dispositional pressure	350	Pa
Heating power	11,01	kW
Power recruitment	11,85	kW
Weight	385	kg +/- 10%

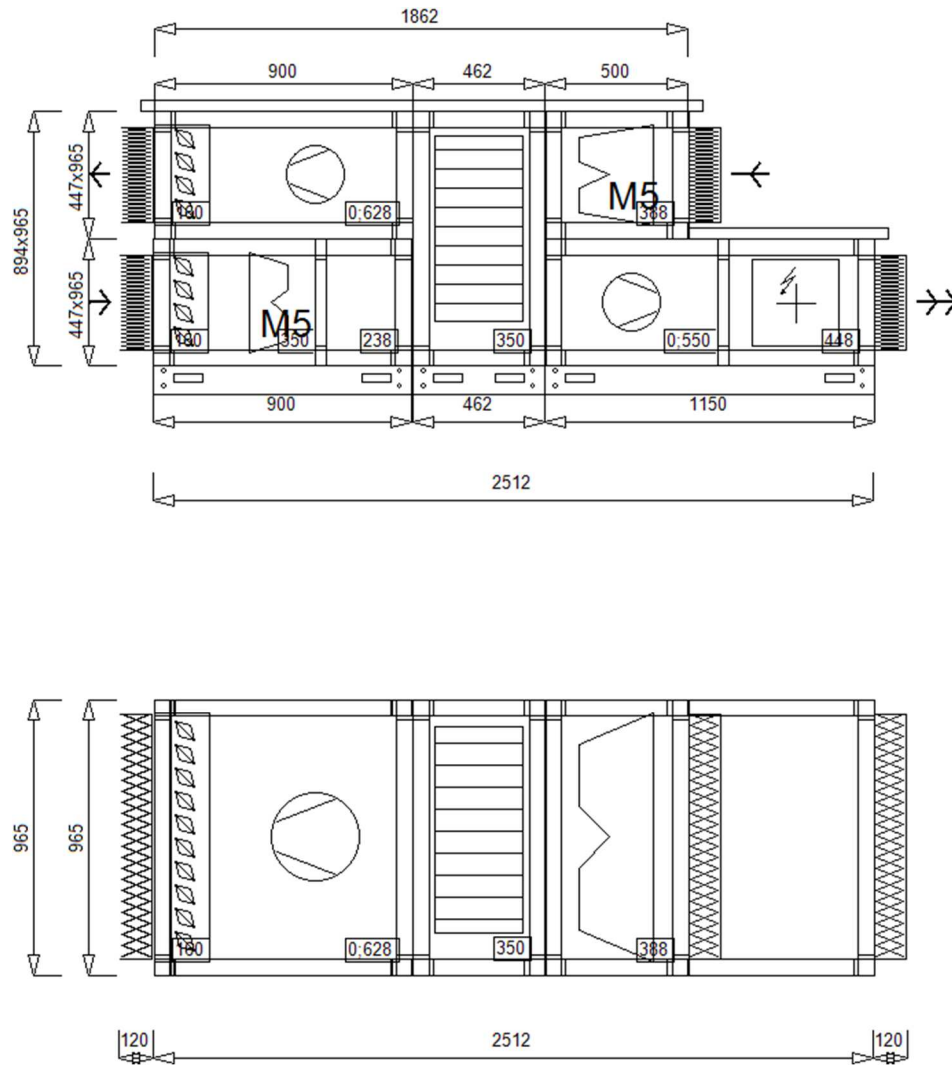
Casing

Frame height	100	mm
SFP (EN13779:2007)	1,65	kW/m3s
Execution side	Right/Left	-
Connection side	Right/Left	-
Serial number	STA-276741	-
Control system	None	-
Housing panel	Standard	-
Panel core	Standard	-
Panel tickness	45	mm
Frame material	Aluminum	-
Profile	Anodized	-

Frequency	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Lw dB(A)
Supply Intake LwA [dB]	65	58	64	60	55	47	43	38	61
Supply Outlet LwA[dB]	68	65	73	71	70	69	61	59	74
Exhaust Intake LwA [dB]	69	58	71	58	53	45	40	36	63
Exhaust Outlet LwA[dB]	73	66	77	70	70	68	62	60	75
Surroundings LwA [dB]	62	54	57	47	45	44	38	29	52
Surroundings (Lp) [dB(A)]	25	27	37	33	34	34	28	17	39

DATA SHEET

DRAWING



DATA SHEET

S001 FILTER BAG

Drop pressure (Initial)	-	-	6	Pa
Drop pressure (Average)	-	-	103	Pa
Drop pressure (Final)	-	-	200	Pa
Filter	-	-	Kieszeniowy	-
Filtration class	-	-	M5	-
ISO 16890 Class	-	-	ePM10 60%	-
Dimensions	0428x0287	mm	2	szt

S002 EMPTY SECTION

Length	-	-	210	mm
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S003 ROTARY HEAT EXCHANGER

Pressure drop (supply, exhaust)	164	Pa	170	Pa
Air speed (supply, exhaust)	1,73	m/s	2,00	m/s
Outdoor air	-20,00	°C	100	%
Supply air	8,59	°C	48	%
Exhaust air	20,00	°C	40	%
Exhaust air	-12,60	°C	95	%
Temperature efficiency	-	-	71	%
Heat Recovery power	-	-	18,45	kW

S004 FAN

Stat. pressure	-	-	647	Pa
Total pressure	-	-	676	Pa
Fan efficiency	-	-	68	%
Speed (RPM)	-	-	3031	1/min
Speed (RPM) max.	-	-	3600	1/min
Operating point	8,4	V	84	%
Power recruitment	-	-	0,47	kW
Power consumption - clean filters	-	-	0,40	kW
Nom. motor power	-	-	0,78	kW
Nom. motor current	-	-	4,00	A
Nom. motor frequency	-	-	50	Hz
Motor power supply	-	-	1~ 230	V
SFP (EN13779:2007)	-	-	0,92	kW/m3/s

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SFP Class	-	-	SFP3	-
K-factor	-	-	60	-
Type	-	-	EC	-
Degree of protection	-	-	IP54	-
Efficiency class	-	-	IE5	-

S005 ELECTRIC HEATER

Air flow	-	-	1560	m3/h
Pressure drop	-	-	30	Pa
Air velocity	-	-	1,73	m/s
Air speed	-	-	2,71	m/s
Calculating power	-	-	11,01	kW
Max. power	-	-	13,50	kW
Load	-	-	81,55	%
Section nb.	-	-	1	-
Air inlet	9,00	°C	48	%
Outlet air	30,00	°C	13	%
Power supply	-	-	3x400	V
Protection	-	-	32	A

S006 FILTER BAG

Drop pressure (Initial)	-	-	5	Pa
Drop pressure (Average)	-	-	102	Pa
Drop pressure (Final)	-	-	200	Pa
Filter	-	-	Kieszeniowy	-
Filtration class	-	-	M5	-
ISO 16890 Class	-	-	ePM10 60%	-
Dimensions	0428x0287	mm	2	szt

S007 FAN

Stat. pressure	-	-	622	Pa
Total pressure	-	-	641	Pa
Fan efficiency	-	-	68	%
Speed (RPM)	-	-	2833	1/min
Speed (RPM) max.	-	-	3600	1/min
Operating point	7,9	V	79	%
Power recruitment	-	-	0,37	kW
Power consumption - clean filters	-	-	0,31	kW
Nom. motor power	-	-	0,78	kW
Nom. motor current	-	-	4,00	A

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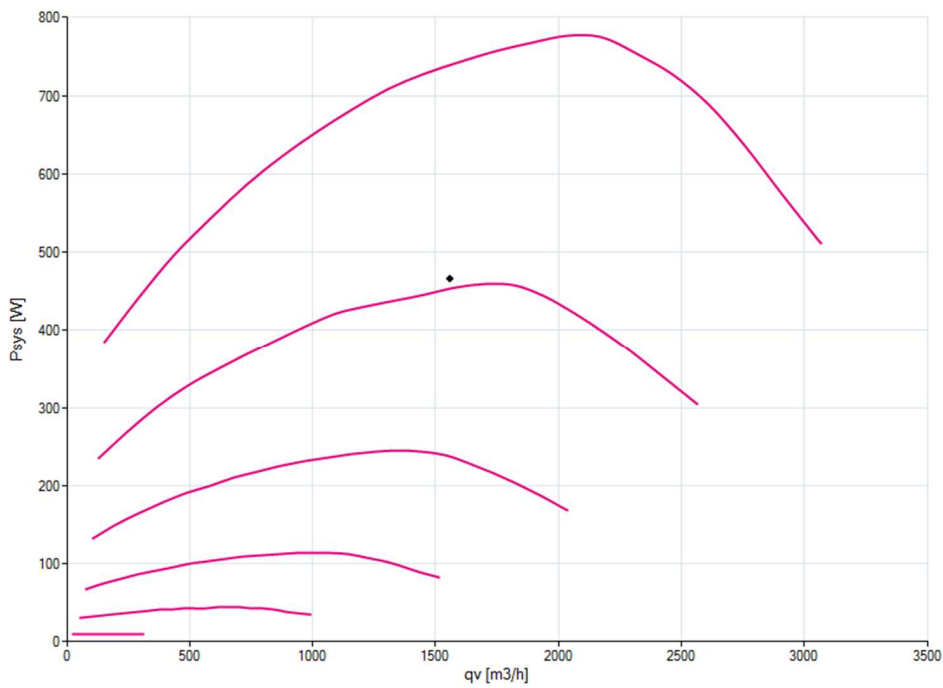
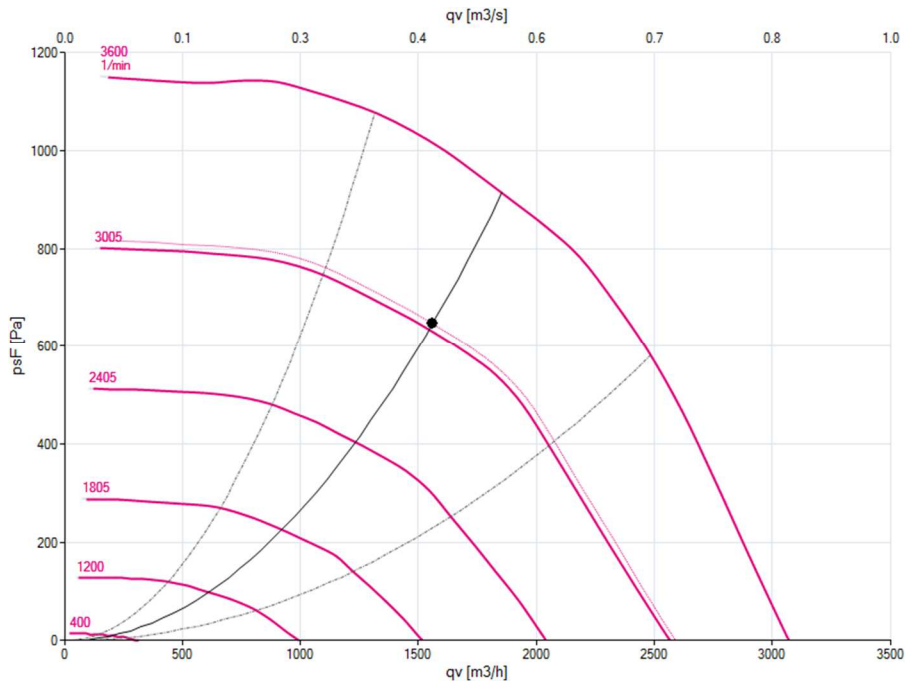
Nom. motor frequency	-	-	50	Hz
Motor power supply	-	-	1~ 230	V
SFP (EN13779:2007)	-	-	0,91	kW/m3/s
SFP Class	-	-	SFP3	-
K-factor	-	-	60	-
Type	-	-	EC	-
Degree of protection	-	-	IP54	-
Efficiency class	-	-	IE5	-

Accessories

06-KE30-0850-0330-C-V1	Flexible connection	4 pcs
1-0-0-0064_0000_1100	Roof end plate	3 pcs
1-0-0-0065_1100_0100	Roof middle plate	4 pcs
1-0-0-0065_1100_0400	Roof middle plate	1 pcs
1-0-0-0065_1100_0600	Roof middle plate	1 pcs
1-0-0-0065_1100_1000	Roof middle plate	1 pcs
1-0-0-0066_0000_1104	Roof connector	8 pcs
ROZ_SERV_20A_3b	Main switch, 20A, 3p	2 pcs

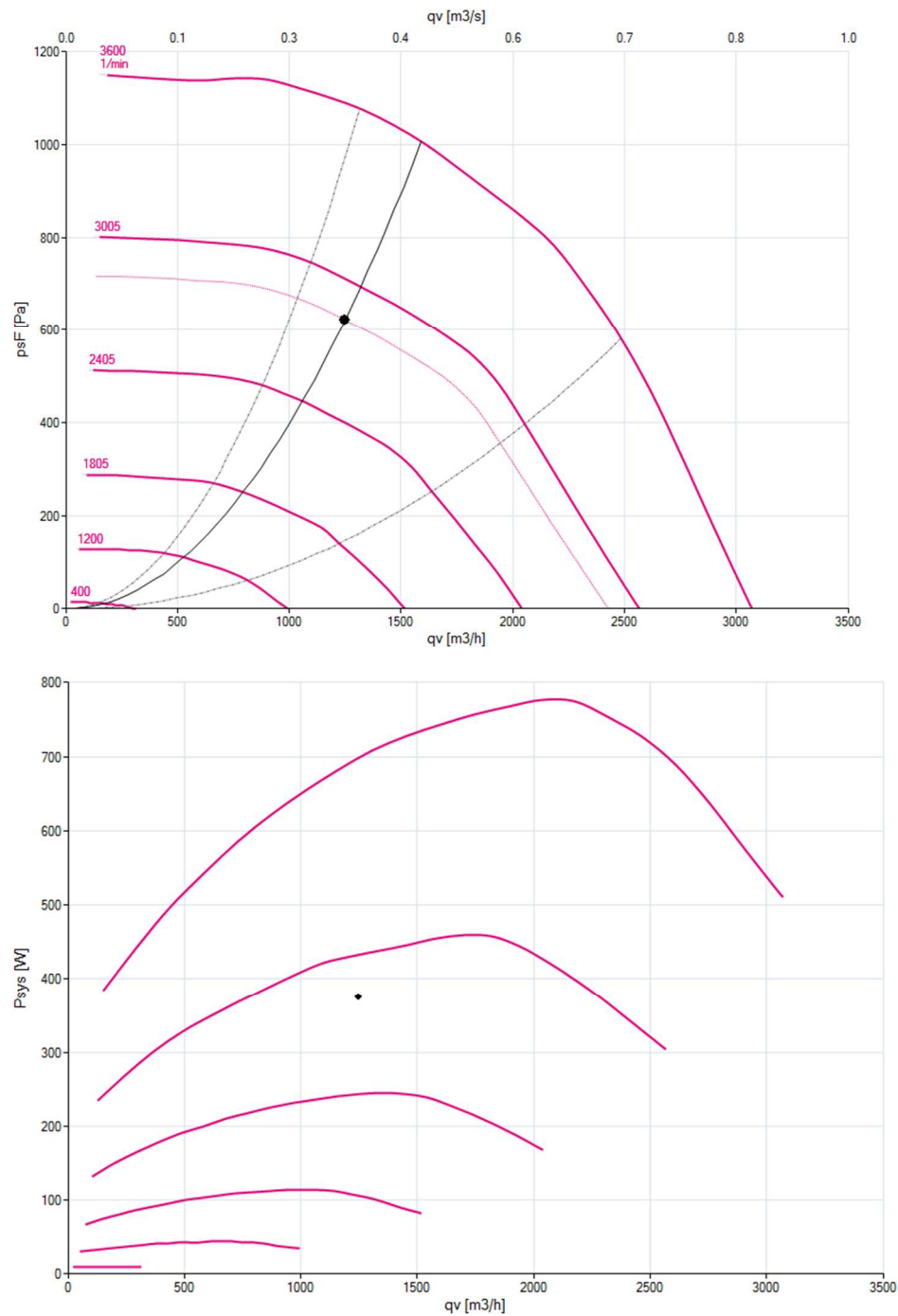
DATA SHEET

FAN SUPPLY



DATA SHEET

FAN EXHAUST



DATA SHEET

Regulatory Information (EU) No 1253/2014 Directive 2009/125 / EC

Energy class	A
System type	Bidirectional system BVU
Climate	Temperate
Type of drive	Variable speed
Control type	Local control on demand
Heat recovery type	Rotating heat recovery exchanger

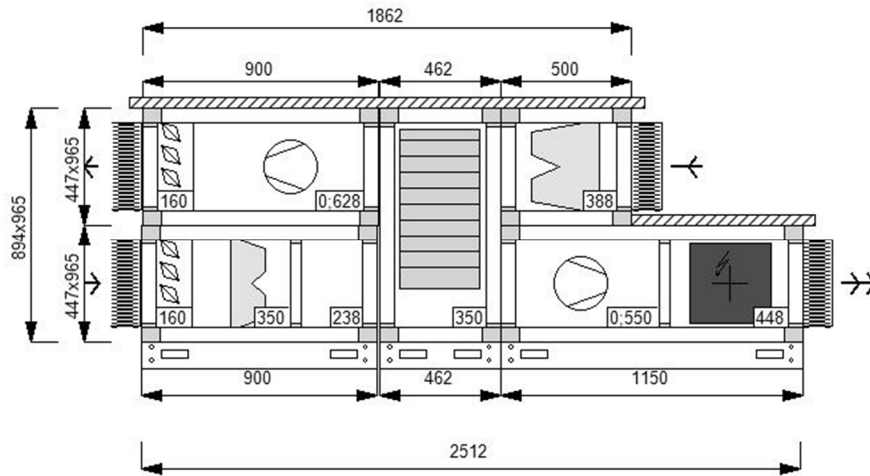
Description	N1W1	-	-	-
Destination	Non-residential ventilation unit (NRVU)	-	-	-
Specific energy consumption (SEC)	-40,00	kWh/m ² /rok	-	-
Thermal efficiency of heat recovery	83	%	-	-
Nominal flow rate	0,43	m ³ /s	0,35	m ³ /s
Frontal speed	1,73	m/s	1,39	m/s
Nominal external pressure $\Delta p_{s, ext}$	350,00	Pa	350,00	Pa
Effective electric power input	0,47	kW	0,37	kW
Internal specific fan power SFP_{int} / SFP_{max}	508	W/(m ³ /s)	1145	W/(m ³ /s)
Fan efficiency	67	%	67	%
Internal pressure drop of ventilation components $\Delta p_{s, int}$	170,00	Pa	175,00	Pa
Location and description of the visual warning mechanism to replace the filter	Alarm displayed on the control panel screen	-	-	-
Sound power level	52	dB	-	-

Overall Rating: Compliance with ERP 2018 requirements

Compliance means that: the ventilation device must be fitted by the manufacturer or installer with a pressure drop sensor on the filters, the fan is equipped with a two-speed or variable speed motor, the bidirectional units are equipped with a bypass heat recovery system for efficiency limits and overt capacity Heat (bi-directional devices) and fan efficiency (unidirectional devices) are verified

DATA SHEET

DRAWING



DIMMENSION OF SECTION

Number	Name	Lenght[mm]	Width[mm]	Height[mm]	Weight[kg]
1	Section	900	965	447	33
2	Section	500	965	447	33
3	Section	900	965	447	65
4	Section	1150	965	447	60
5	Section	462	965	894	137

ELECTRICAL HEATER SCHEME

