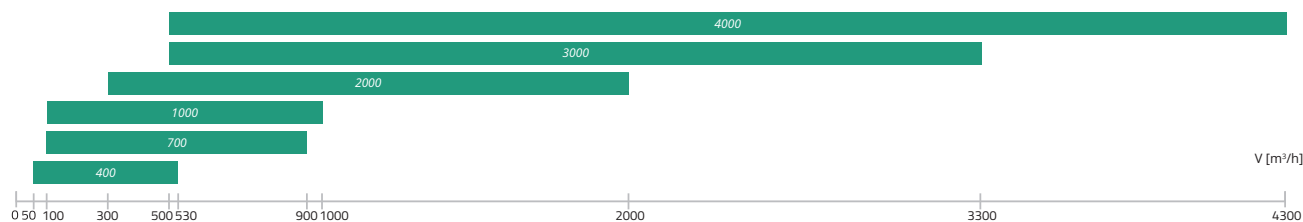
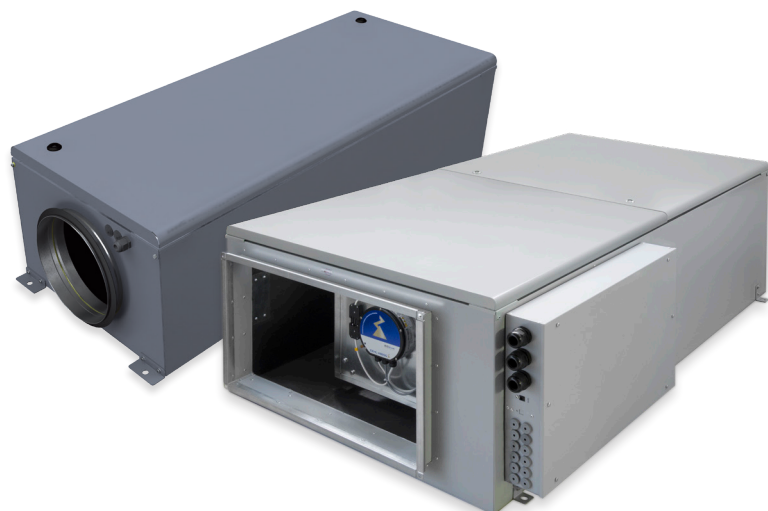


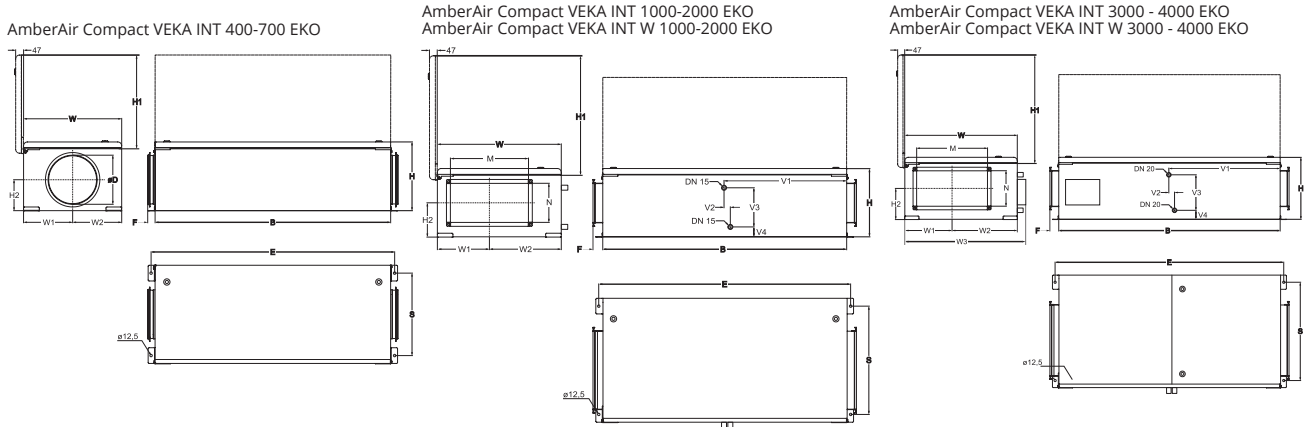
# AMBERAIR COMPACT VEKA INT EKO



AIR HANDLING UNITS

<b>Application</b>	Food production, Industrial premises, Warehouses, Sport facilities.
<b>Description</b>	AmberAir Compact VEKA INT EKO is a range of high-quality air supply units for premises with no need for recuperation. AmberAir Compact VEKA INT EKO units exceed ErP 2018 requirements and, together with other cost-saving solutions, provide the highest savings in their class. AmberAir Compact VEKA INT EKO units are light and can be mounted in all positions in the narrowest places. Units are suitable for various climate zones: each model has several electrical heater options and 1000+ models have water heater options. Air dampers are integrated to automatically shut down the air supply to the premises.
<b>Controls</b>	<ul style="list-style-type: none"> <li>› Stouch</li> <li>› Flex</li> </ul>
<b>The main features</b>	<ul style="list-style-type: none"> <li>› 6 Models with different electrical heaters and water heaters. 25 options in total!</li> <li>› 6 mounting positions and service friendly.</li> <li>› Low height for installation under ceilings.</li> <li>› Modern automatic control. Integration with building management systems.</li> <li>› Cost-efficient solutions: high airtightness, efficient fans and filters.</li> </ul>
<b>Construction</b>	<ul style="list-style-type: none"> <li>› Powder-coated galvanized steel casing;</li> <li>› EC fan;</li> <li>› Integrated air damper with actuator.</li> <li>› Integrated pressure switch for filter pollution.</li> <li>› Optional filters: Coarse 75, ePM10-65 or ePM1-55.</li> </ul>









# AMBERAIR COMPACT VEKA INT EKO



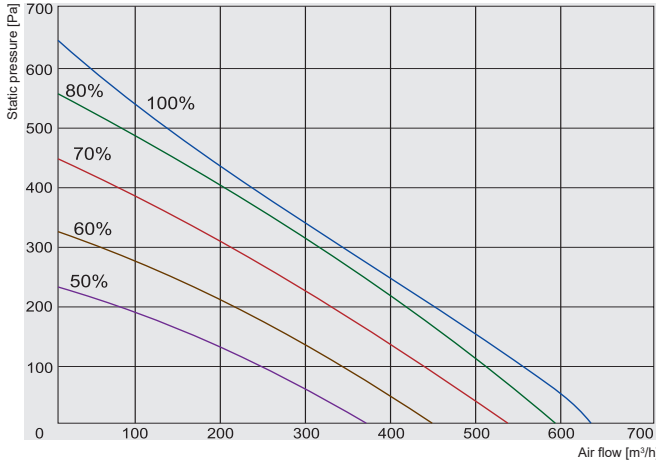
Unit	Dimensions [mm]																	
	W	W1	W2	W3	B	H	H1	H2	E	S	M	N	V1	V2	V3	V4	F	ØD
AmberAir Compact VEKA INT 400 EKO	450	225	225	-	1130	325	427	157	1171	370	-	-	-	-	-	-	30	200
AmberAir Compact VEKA INT 700 EKO	500	250	250	-	1200	350	477	157	1241	420	-	-	-	-	-	-	40	250
AmberAir Compact VEKA INT 1000 EKO	635	267	368	-	1250	350	612	174	1291	555	400	200	-	-	-	-	50	-
AmberAir Compact VEKA INT 2000 EKO	750	316	434	-	1550	460	727	249	1591	670	500	250	-	-	-	-	50	-
AmberAir Compact VEKA INT 3000 EKO	950	417	533	1065	1700	550	826	268	1526	992	700	400	-	-	-	-	50	-
AmberAir Compact VEKA INT 4000 EKO	950	417	533	1065	1700	550	826	268	1526	992	700	400	-	-	-	-	50	-
AmberAir Compact VEKA INT W 1000 EKO	635	267	368	-	1250	350	612	174	1291	555	400	200	618	43	190	71	50	-
AmberAir Compact VEKA INT W 2000 EKO	750	316	434	-	1550	460	727	249	1591	670	500	250	740	42	297	73	50	-
AmberAir Compact VEKA INT W 3000 EKO	950	417	533	1065	1700	550	826	268	1526	992	700	400	845	38	360	78	50	-
AmberAir Compact VEKA INT W 4000 EKO	950	417	533	1065	1700	550	826	268	1526	992	700	400	845	38	360	78	50	-

Unit	Optional accessories						
	Stouch Flex	SKS	AKS AP	SSB Heating	SSB Cooling	RMG 60/40°C	VVP/VXP 60/40°C
AmberAir Compact VEKA INT 400 EKO	+	-	200	-	81	-	-
AmberAir Compact VEKA INT 700 EKO	+	-	250	-	81	-	-
AmberAir Compact VEKA INT 1000 EKO	+	400x200	-	-	81	-	-
AmberAir Compact VEKA INT 2000 EKO	+	500x250	-	-	81	-	-
AmberAir Compact VEKA INT 3000 EKO	+	700x400	-	-	81	-	-
AmberAir Compact VEKA INT 4000 EKO	+	700x400	-	-	81	-	-
AmberAir Compact VEKA INT W 1000 EKO	+	400x200	-	161	81	3-1,6-4	45.10-1,6
AmberAir Compact VEKA INT W 2000 EKO	+	500x250	-	161	81	3-2,5-6	45.10-2,5
AmberAir Compact VEKA INT W 3000 EKO	+	700x400	-	161	81	3-4,0-6	45.20-4,0
AmberAir Compact VEKA INT W 4000 EKO	+	700x400	-	161	81	3-6,3-8	45.25-6,3

## Accessories

Control panel  <b>FLEX</b> p. 192	Sensor controller  <b>Stouch</b> p. 191	Rectangular duct silencer  <b>SKS</b> p. 231	Circular duct silencer  <b>AKS</b> p. 232	Mounting clamp  <b>AP</b> p. 235	Thermic water valve actuator  <b>SSB</b> p. 211	Mixing point  <b>RMG</b> p. 212	2 and 3 - way valves  <b>VVP/VXP</b> p. 213
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# AMBERAIR COMPACT VEKA INT EKO

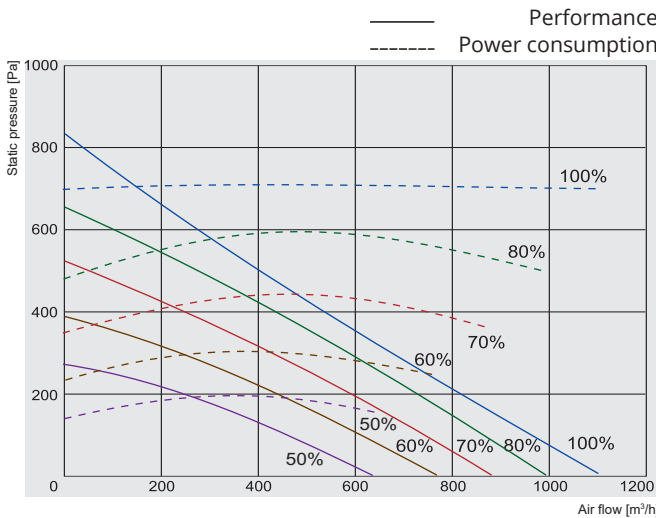


- ① AmberAir Compact VEKA INT 400/1,2-L1 EKO
- ① AmberAir Compact VEKA INT 400/2,0-L1 EKO
- ① AmberAir Compact VEKA INT 400/5,0-L1 EKO

AmberAir Compact VEKA INT 400 EKO	Lwa total, dB(A)	LWA, dB(A)						
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	67	50	56	65	61	43	47	34
Outlet	74	56	62	73	62	63	57	40
Surrounding	53	37	41	51	45	38	37	24

Measured at 560 m³/h, 122 Pa

		400/1,2-L1 EKO	400/2,0-L1 EKO	400/5,0-L1 EKO
Heater	-phase/voltage [50Hz/VAC]	~1, 230	~1, 230	~2, 400
	-power consumption [kW]	1,2	2,0	5,0
Fan	-phase/voltage [50Hz/VAC]	~1, 230	~1, 230	~1, 230
	-current [kW/A]	0,082/0,75	0,082/0,75	0,082/0,75
	-speed [min <sup>-1</sup> ]	3200	3200	3200
	-protection class	IP-54	IP-54	IP-54
	-power consumption [kW/A]	1,28/5,95	2,08/9,44	5,08/13,32
Automatic control integrated		integrated	integrated	integrated
Filter class		ePM10-65	ePM10-65	ePM10-65
Weight [kg]		36,0	36,5	37,0
Comply with ERP 2018		+	+	+



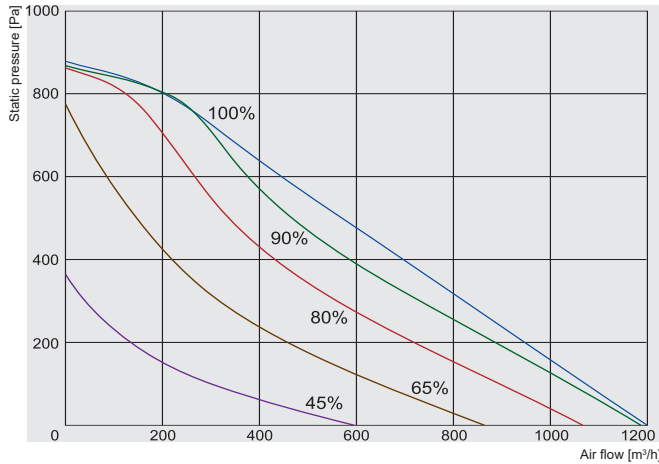
- ① AmberAir Compact VEKA INT 700/2,4-L1 EKO
- ① AmberAir Compact VEKA INT 700/5,0-L1 EKO
- ① AmberAir Compact VEKA INT 700/9,0-L1 EKO

AmberAir Compact VEKA INT 700 EKO	Lwa total, dB(A)	LWA, dB(A)						
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	69	50	59	61	65	64	54	52
Outlet	75	62	68	73	63	53	46	40
Surrounding	55	40	47	51	50	45	40	37

Measured at 838 m³/h, 162 Pa

		700/2,4-L1 EKO	700/5,0-L1 EKO	700/9,0-L1 EKO
Heater	-phase/voltage [50Hz/VAC]	~1, 230	~2, 400	~3, 400
	-power consumption [kW]	2,4	5,0	9,0
Fan	-phase/voltage [50Hz/VAC]	~1, 230	~1, 230	~1, 230
	-current [kW/A]	0,358 /1,6	0,358 /1,6	0,358 /1,6
	-speed [min <sup>-1</sup> ]	3380	3380	3380
	-protection class	IP-44	IP-44	IP-44
	-power consumption [kW/A]	2,76 /12,03	5,36 /14,10	9,36 /14,60
Automatic control integrated		integrated	integrated	integrated
Filter class		ePM10-65	ePM10-65	ePM10-65
Weight [kg]		45,0	47,0	48,0
Comply with ERP 2018		+	+	+

# AMBERAIR COMPACT VEKA INT EKO

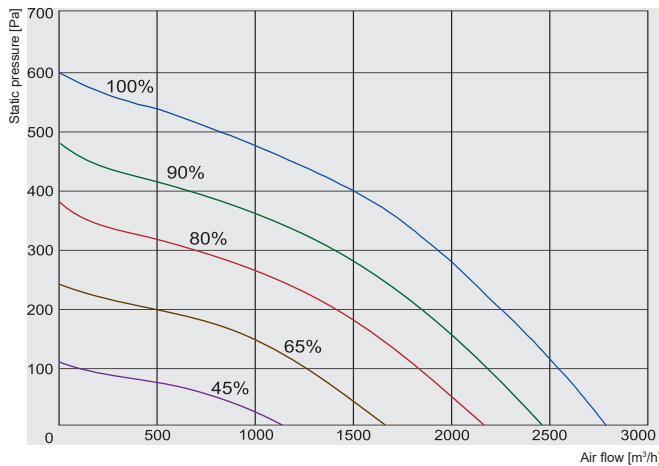


- ① AmberAir Compact VEKA INT 1000/2,4-L1 EKO
- ① AmberAir Compact VEKA INT 1000/5,0-L1 EKO
- ① AmberAir Compact VEKA INT 1000/9,0-L1 EKO
- ① AmberAir Compact VEKA INT 1000/12,0-L1 EKO

AmberAir Compact VEKA INT 1000 EKO	Lwa total, dB(A)	LWA, dB(A)						
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	69	53	56	65	63	61	59	53
Outlet	75	64	70	72	65	56	53	49
Surrounding	55	44	45	51	48	44	41	38

Measured at 1036 m³/h, 133 Pa

		1000/2,4-L1 EKO	1000/5,0-L1 EKO	1000/9,0-L1 EKO	1000/12,0-L1 EKO
Heater	-phase/voltage [50Hz/VAC]	~1, 230	~2, 400	~3, 400	~3, 400
	-power consumption [kW]	2,4	5,0	9,0	12,0
Fan	-phase/voltage [50Hz/VAC]	~1, 230	~1, 230	~1, 230	~1, 230
	-current [kW/A]	0,233 /1,74	0,233 /1,74	0,358 /1,6	0,233/1,74
	-speed [min <sup>-1</sup> ]	3220	3220	3220	3220
	-protection class	IP-44	IP-44	IP-44	IP-44
	-power consumption [kW/A]	2,63 /12,17	5,23 /14,24	9,36 /14,60	12,23/19,06
Automatic control integrated		integrated	integrated	integrated	integrated
Filter class		ePM10-65	ePM10-65	ePM10-65	ePM10-65
Weight [kg]		56,0	56,5	57,0	58,0
Comply with ERP 2018		+	+	+	+



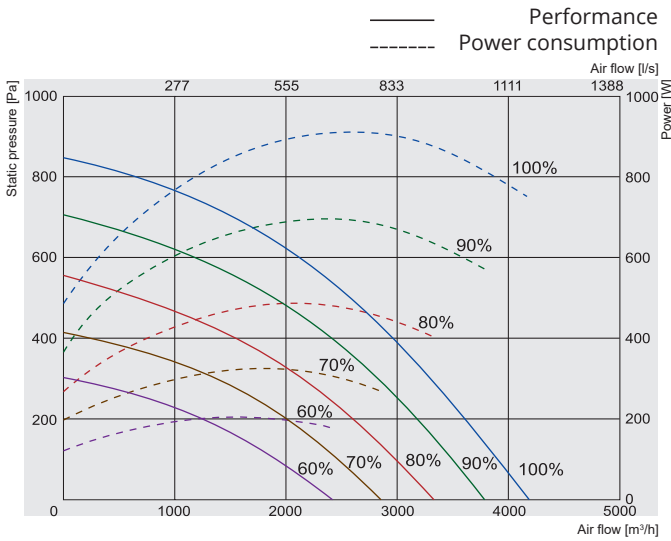
- ① AmberAir Compact VEKA INT 2000/6,0-L1 EKO
- ① AmberAir Compact VEKA INT 2000/15,0-L1 EKO
- ① AmberAir Compact VEKA INT 2000/21,0-L1 EKO

AmberAir Compact VEKA INT 2000 EKO	Lwa total, dB(A)	LWA, dB(A)						
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	80	71	78	72	57	61	59	55
Outlet	84	75	80	79	74	73	70	67
Surrounding	65	58	62	57	49	52	51	48

Measured at 2493 m³/h, 120 Pa

		2000/6,0-L1 EKO	2000/15,0-L1 EKO	2000/21,0-L1 EKO
Heater	-phase/voltage [50Hz/VAC]	~2, 400	~3, 400	~3, 400
	-power consumption [kW]	6,0	15,0	21,0(12+9)
Fan	-phase/voltage [50Hz/VAC]	~1, 230	~1, 230	~1, 230
	-current [kW/A]	0,438/1,97	0,438/1,97	0,438 /1,97
	-speed [min <sup>-1</sup> ]	2010	2010	2010
	-protection class	IP-44	IP-44	IP-44
	-power consumption [kW/A]	6,44/16,97	15,44/23,62	21,44 /32,28
Automatic control integrated		integrated	integrated	integrated
Filter class		ePM10-65	ePM10-65	ePM10-65
Weight [kg]		88,0	88,5	89,0
Comply with ERP 2018		+	+	+

# AMBERAIR COMPACT VEKA INT EKO



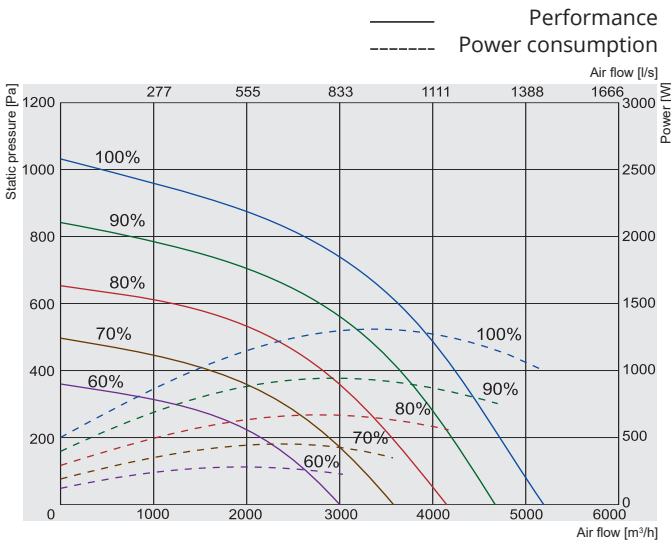
- ① AmberAir Compact VEKA INT 3000/15,0-L1 EKO
- ① AmberAir Compact VEKA INT 3000/21,0-L1 EKO
- ① AmberAir Compact VEKA INT 3000/30,0-L1 EKO
- ① AmberAir Compact VEKA INT 3000/39,0-L1 EKO

AmberAir Compact VEKA INT 3000 EKO	Lwa total, dB(A)	LWA, dB(A)						
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	75	57	66	72	68	66	65	62
Outlet	82	60	70	75	78	75	71	63
Surrounding	68	50	59	63	61	61	58	51

Measured at 3805 m³/h, 122 Pa

		3000/15,0-L1 EKO	3000/21,0-L1 EKO	3000/30,0-L1 EKO	3000/39,0-L1 EKO
Heater	-phase/voltage [50Hz/VAC]	~3, 400	~3, 400	~3, 400	~3, 400
	-power consumption [kW]	15	21,0 (9+12)	30,0 (15+15)	39,0 (12+9+18)
Fan	-phase/voltage [50Hz/VAC]	~1, 230	~1, 230	~1, 230	~1, 230
	-current [KW/A]	0,920/4,2	0,920/4,2	0,920/4,2	0,920/4,2
	-speed [min <sup>-1</sup> ]	2200	2200	2200	2200
	-protection class	IP-54	IP-54	IP-54	IP-54
	-power consumption [kW/A]	15,92/25,80	21,92/35,20	30,92/47,20	39,92/60,20
Automatic control integrated		integrated	integrated	integrated	integrated
Filter class		ePM10-65	ePM10-65	ePM10-65	ePM10-65
Weight [kg]		137,0	138,0	140,0	142,0
Comply with ERP 2018		+	+	+	+

AIR HANDLING UNITS



- ① AmberAir Compact VEKA INT 4000/21-L1 EKO
- ① AmberAir Compact VEKA INT 4000/27-L1 EKO
- ① AmberAir Compact VEKA INT 4000/39-L1 EKO
- ① AmberAir Compact VEKA INT 4000/54-L1 EKO

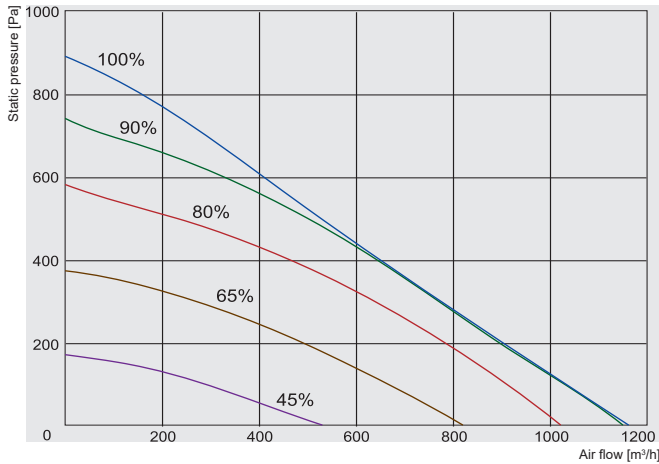
AmberAir Compact VEKA INT 4000 EKO	Lwa total, dB(A)	LWA, dB(A)						
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	79	59	69	76	73	70	69	64
Outlet	86	61	73	79	83	79	76	69
Surrounding	72	52	62	67	66	65	63	55

Measured at 4857 m³/h, 142 Pa

		4000/21-L1 EKO	4000/27-L1 EKO	4000/39-L1 EKO	4000/54-L1 EKO
Heater	-phase/voltage [50Hz/VAC]	~3, 400	~3, 400	~3, 400	~3, 400
	-power consumption [kW]	21,0	27,0	39,0	54,00
Fan	-phase/voltage [50Hz/VAC]	~1, 230	~1, 230	~1, 230	~1, 230
	-current [KW/A]	1,325 / 5,93	1,325 / 5,93	1,325 / 5,93	1,325 / 5,93
	-speed [min <sup>-1</sup> ]	2390	2390	2390	2390
	-protection class	IP-54	IP-54	IP-54	IP-54
	-power consumption [kW/A]	22,33/35,93	28,33/44,93	40,33/61,93	55,33/83,93
Automatic control integrated		integrated	integrated	integrated	integrated
Filter class		ePM10-65	ePM10-65	ePM10-65	ePM10-65
Weight [kg]		137,0	139,0	143,0	148,0
Comply with ERP 2018		+	+	+	+

# AMBERAIR COMPACT VEKA INT EKO

## ① AmberAir Compact VEKA INT W 1000/14,4-L1 EKO



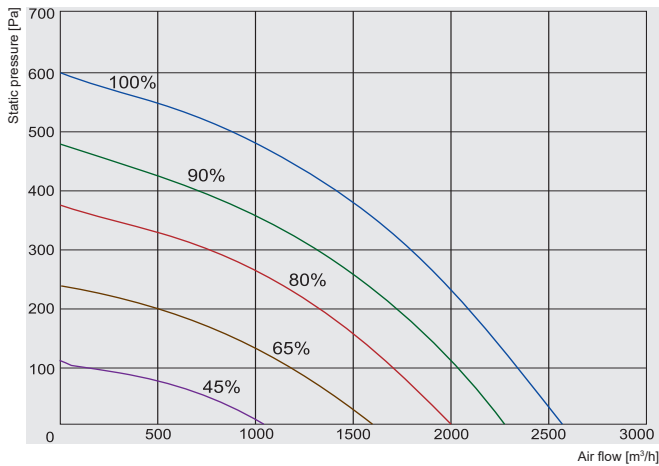
AmberAir Compact VEKA INT W 1000 EKO	Lwa total, dB(A)	LWA, dB(A)						
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	70	55	50	66	62	60	61	57
Outlet	75	63	70	72	64	56	53	47
Surrounding	54	43	42	51	48	43	42	39

Measured at 1010 m³/h, 121 Pa

### W-1000/14,4-L1 EKO

Water heater	-power	[kW]	14,4
	-water temp. $T_{in}/T_{out}$	[°C]	+80/+60
	-water flow rate	[l/s]	0,18
	-water pressure drop	[kPa]	4
	-kvs value	[m³/h]	3,26
Fan	-phase/voltage	[50Hz/VAC]	~1, 230
	-current	[kW/A]	0,232/1,77
	-speed	[min⁻¹]	3220
	-power consumption	[kW/A]	0,232/1,77
	-motor protection class		IP-44
Automatic control integrated			integrated
Filter class			ePM10-65
Weight		[kg]	56,0
Comply with ERP 2018			+

## ① AmberAir Compact VEKA INT W 2000/26,9-L1 EKO



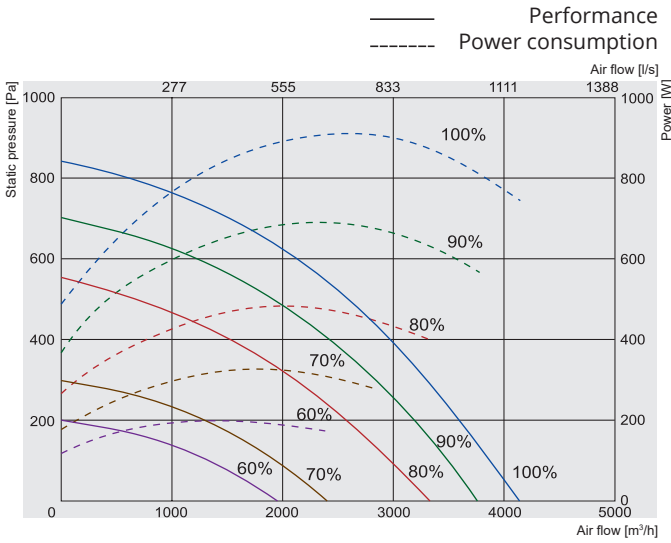
AmberAir Compact VEKA INT W 2000 EKO	Lwa total, dB(A)	LWA, dB(A)						
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	78	72	75	72	63	59	52	49
Outlet	82	76	77	76	75	68	63	58
Surrounding	64	58	61	56	49	40	38	32

Measured at 2304 m³/h, 113 Pa

### W-2000/26,9-L1 EKO

Water heater	-power	[kW]	26,9
	-water temp. $T_{in}/T_{out}$	[°C]	+80/+60
	-water flow rate	[l/s]	0,33
	-water pressure drop	[kPa]	18,1
	-kvs value	[m³/h]	2,81
Fan	-phase/voltage	[50Hz/VAC]	~1, 230
	-current	[kW/A]	0,481/2,18
	-speed	[min⁻¹]	2010
	-power consumption	[kW/A]	0,481/2,18
	-motor protection class		IP-44
Automatic control integrated			integrated
Filter class			ePM10-65
Weight		[kg]	88,0
Comply with ERP 2018			+

# AMBERAIR COMPACT VEKA INT EKO

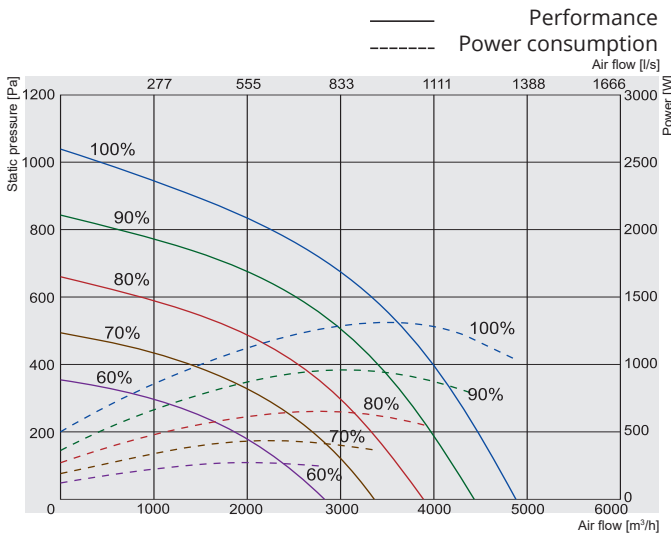


## AmberAir Compact VEKA INT W 3000/40,6-L1 EKO

AmberAir Compact VEKA INT W 3000 EKO	Lwa total, dB(A)	LWA, dB(A)						
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	75	57	65	71	68	66	65	62
Outlet	81	60	69	74	78	74	70	63
Surrounding	67	50	58	62	61	60	57	51

Measured at 3720 m³/h, 120 Pa

			W-3000/40,6-L1 EKO
Water heater	-power	[kW]	40,6
	-water temp. $T_{in}/T_{out}$	[°C]	+80/+60
	-water flow rate	[l/s]	0,5
	-water pressure drop	[kPa]	9,6
	-kvs value	[m³/h]	5,86
Fan	-phase/voltage	[50Hz/VAC]	~1, 230
	-current	[kW/A]	0,93/4,15
	-speed	[min⁻¹]	2200
	-power consumption	[kW/A]	IP-54
	-motor protection class		0,93/4,15
Automatic control integrated			integrated
Filter class			ePM10-65
Weight			[kg] 140,0
Comply with 2018			+



## AmberAir Compact VEKA INT W 4000/54-L1 EKO

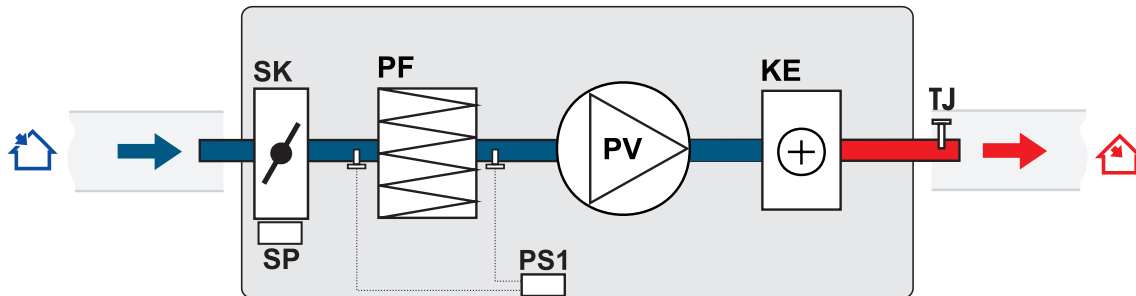
AmberAir Compact VEKA INT W 4000 EKO	Lwa total, dB(A)	LWA, dB(A)						
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	78	59	69	74	72	70	69	62
Outlet	84	60	73	77	80	78	75	67
Surrounding	71	51	62	65	64	65	62	53

Measured at 4677 m³/h, 101 Pa

			W-4000/54-L1 EKO
Water heater	-power	[kW]	56,95
	-water temp. $T_{in}/T_{out}$	[°C]	+80/+60
	-water flow rate	[l/s]	0,7
	-water pressure drop	[kPa]	12
	-kvs value	[m³/h]	7,33
Fan	-phase/voltage	[50Hz/VAC]	~1, 230
	-current	[kW/A]	1,258/5,8
	-speed	[min⁻¹]	2390
	-power consumption	[kW/A]	1,29/5,80
	-motor protection class		IP-54
Automatic control integrated			integrated
Filter class			ePM10-65
Weight			[kg] 128,0
Comply with ERP 2018			+

# AMBERAIR COMPACT VEKA INT EKO

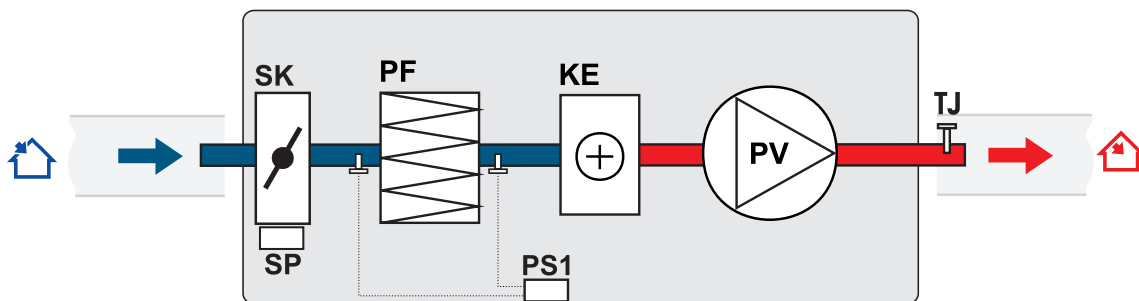
**AmberAir Compact VEKA INT 400 EKO / 700 EKO versions with electrical heater**  
(view from inspection side)



**PV** - supply air fan  
**PF** - filter for supply air  
**KE** - electrical heater  
**SK** - air damper

**SP** - actuator  
**PS1** - supply air differential pressure switch  
**TJ** - supply air temperature sensor

**AmberAir Compact VEKA INT 1000 EKO / 2000 EKO versions with electrical heater**  
(view from inspection side)



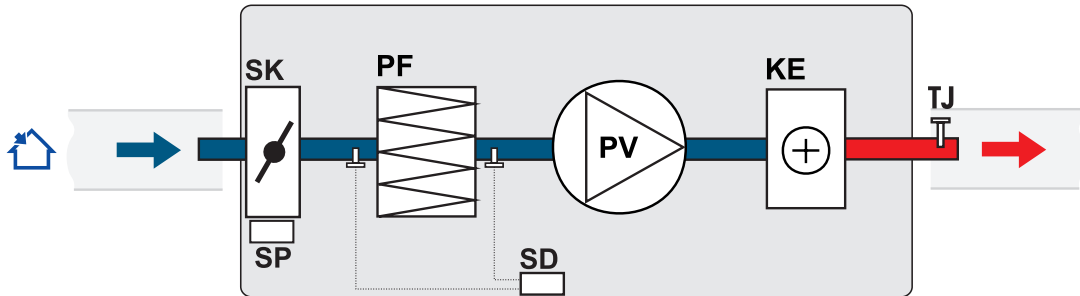
**PV** - supply air fan  
**PF** - filter for supply air  
**KE** - electrical heater  
**SK** - air damper

**SP** - actuator  
**PS1** - supply air differential pressure switch  
**TJ** - supply air temperature sensor



# AMBERAIR COMPACT VEKA INT EKO

**AmberAir Compact VEKA INT 3000 EKO / 4000 EKO versions with electrical heater**  
(view from inspection side)

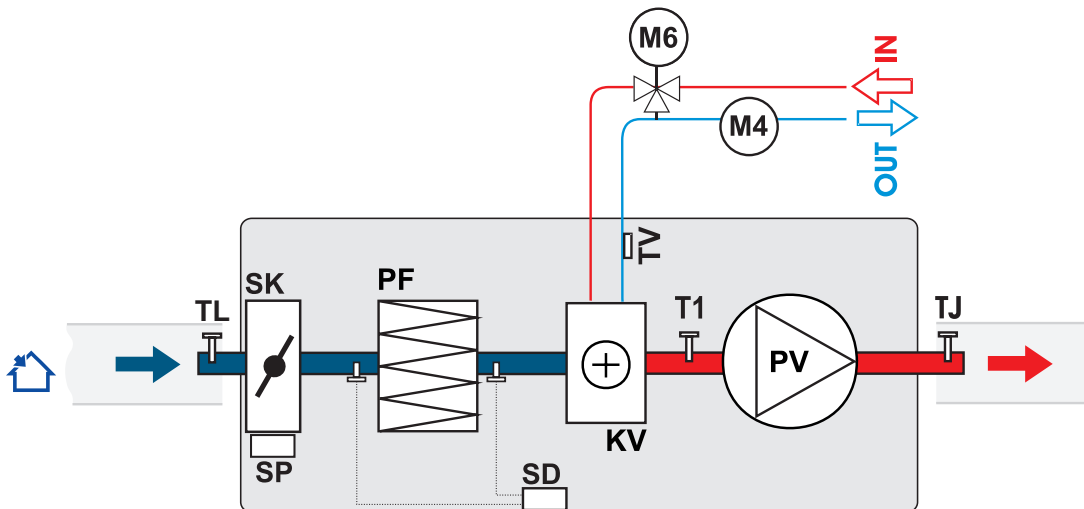


PV - supply air fan  
PF - filter for supply air  
KE - electrical heater  
SK - air damper

SP - actuator  
SD - differential pressure switch  
TJ - supply air temperature sensor

AIR HANDLING UNITS

**AmberAir Compact VEKA INT W 1000 EKO / W 2000 EKO / W 3000 EKO / W 4000 EKO versions with water heater** (view from inspection side)



PV - supply air fan  
PF - filter for supply air  
KV - water heater  
SK - air damper  
SP - actuator  
SD - differential pressure switch

TJ - supply air temperature sensor  
TL - temperature sensor for fresh air  
T1 - antifrost thermostat  
TV - temperature sensor  
M6 - optionally supply mixing valve and motor  
M4 - water heater circulatory pump