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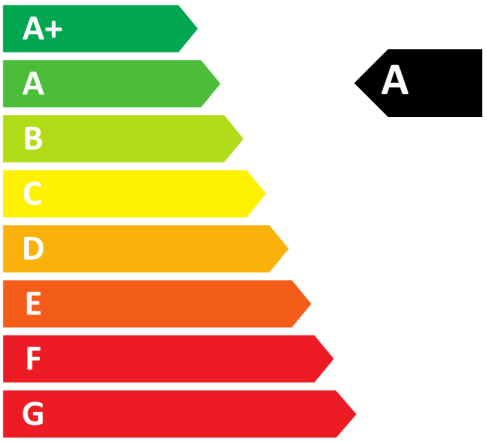
STIEBEL ELTRON

VRC-W 450 Trend



50
dB

450 m³/h

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2016 1254/2014

Product datasheet: Mechanical ventilation unit to Regulation (EU) No. 1254/2014 | 1253/2014

		VRC-W 450 Trend
		205078
Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with control subject to on-site requirements	kWh/(m²a)	-83,46
Specific energy consumption under average climate conditions with control subject to on-site requirements	kWh/(m²a)	-44,09
Specific energy consumption under warmer climate conditions with control subject to on-site requirements	kWh/(m²a)	-18,91
Energy efficiency class under colder climate conditions with control subject to on-site requirements		A+
Energy efficiency class under average climate conditions with control subject to on-site requirements		A+
Energy efficiency class under warmer climate conditions with control subject to on-site requirements		E
Ventilation unit type		WLA, Zwei Richtungen
Drive type		Drehzahlgeregelt
Heat recovery type		Rekuperativ
Rate of temperature change for heat recovery	%	89,3
Max. air flow rate	m³/h	450
Max. power consumption	W	125
Sound power level LWA	dB(A)	50
Reference air flow rate	m³/s	0,087
Reference pressure differential	Pa	50
Specific power input	W/(m³/h)	0,18
Control factor, control subject to on-site requirements		0,65
Internal air leakage quota	%	1,02
External air leakage quota	%	0,78
Filter change indicator		Visual filter change warning signal on the remote control display
Annual power consumption under colder climate conditions with control subject to on-site requirements	kWh/a	672
Annual power consumption under average climate conditions with control subject to on-site requirements	kWh/a	135
Annual power consumption under warmer climate conditions with control subject to on-site requirements	kWh/a	90
Annual heating savings under colder climate conditions with control subject to on-site requirements	kWh/a	9153
Annual heating savings under average climate conditions with control subject to on-site requirements	kWh/a	4679
Annual heating savings under warmer climate conditions with control subject to on-site requirements	kWh/a	2116

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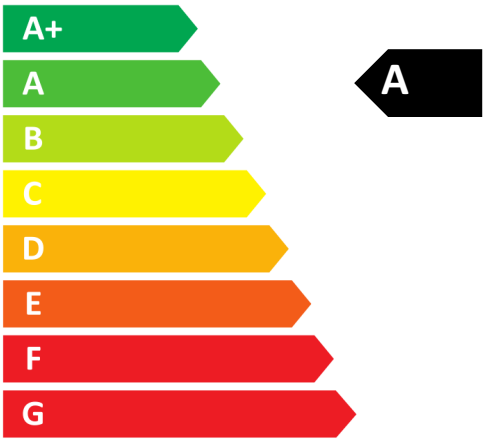

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2016 1254/2014

Product datasheet: Mechanical ventilation unit to Regulation (EU) No. 1254/2014 | 1253/2014

		VRC-W 450 Trend
		205078
Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with central demand-dependent control	kWh/(m²a)	-80,53
Specific energy consumption under average climate conditions with central demand-dependent control	kWh/(m²a)	-41,81
Specific energy consumption under warmer climate conditions with central demand-dependent control	kWh/(m²a)	-17,00
Energy efficiency class under colder climate conditions with central demand-dependent control		A+
Energy efficiency class under average climate conditions with central demand-dependent control		A
Energy efficiency class under warmer climate conditions with central demand-dependent control		E
Ventilation unit type		WLA, Zwei Richtungen
Drive type		Drehzahlgeregelt
Heat recovery type		Rekuperativ
Rate of temperature change for heat recovery	%	89,3
Max. air flow rate	m³/h	450
Max. power consumption	W	125
Sound power level LWA	dB(A)	50
Reference air flow rate	m³/s	0,087
Reference pressure differential	Pa	50
Specific power input	W/(m³/h)	0,18
Control factor, central demand-dependent control		0,85
Internal air leakage quota	%	1,02
External air leakage quota	%	0,78
Filter change indicator		Visual filter change warning signal on the remote control display
Annual power consumption under colder climate conditions with central demand-dependent control	kWh/a	736
Annual power consumption under average climate conditions with central demand-dependent control	kWh/a	199
Annual power consumption under warmer climate conditions with central demand-dependent control	kWh/a	154
Annual heating savings under colder climate conditions with central demand-dependent control	kWh/a	9020
Annual heating savings under average climate conditions with central demand-dependent control	kWh/a	4611
Annual heating savings under warmer climate conditions with central demand-dependent control	kWh/a	2085

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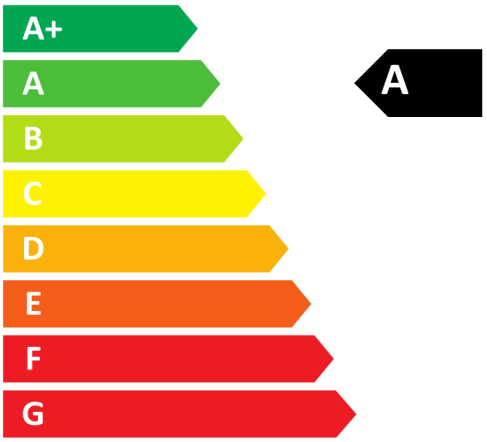

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2016 1254/2014

Product datasheet: Mechanical ventilation unit to Regulation (EU) No. 1254/2014 | 1253/2014

		VRC-W 450 Trend
		205078
Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with time control	kWh/(m²a)	-78,91
Specific energy consumption under average climate conditions with time control	kWh/(m²a)	-40,51
Specific energy consumption under warmer climate conditions with time control	kWh/(m²a)	-15,89
Energy efficiency class under colder climate conditions with time control		A+
Energy efficiency class under average climate conditions with time control		A
Energy efficiency class under warmer climate conditions with time control		E
Ventilation unit type		WLA, Zwei Richtungen
Drive type		Drehzahlgeregelt
Heat recovery type		Rekuperativ
Rate of temperature change for heat recovery	%	89,3
Max. air flow rate	m³/h	450
Max. power consumption	W	125
Sound power level LWA	dB(A)	50
Reference air flow rate	m³/s	0,087
Reference pressure differential	Pa	50
Specific power input	W/(m³/h)	0,18
Control factor, time control		0,95
Internal air leakage quota	%	1,02
External air leakage quota	%	0,78
Filter change indicator		Visual filter change warning signal on the remote control display
Annual power consumption under colder climate conditions with time control	kWh/a	774
Annual power consumption under average climate conditions with time control	kWh/a	237
Annual power consumption under warmer climate conditions with time control	kWh/a	192
Annual heating savings under colder climate conditions with time control	kWh/a	8953
Annual heating savings under average climate conditions with time control	kWh/a	4577
Annual heating savings under warmer climate conditions with time control	kWh/a	2069

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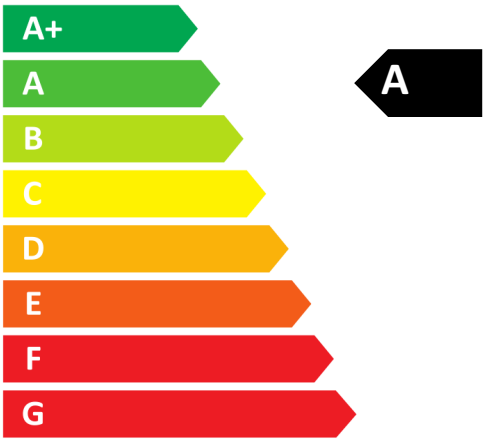

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2016 1254/2014

Product datasheet: Mechanical ventilation unit to Regulation (EU) No. 1254/2014 | 1253/2014

		VRC-W 450 Trend
		205078
Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with manual control	kWh/(m²a)	-78,05
Specific energy consumption under average climate conditions with manual control	kWh/(m²a)	-39,82
Specific energy consumption under warmer climate conditions with manual control	kWh/(m²a)	-15,29
Energy efficiency class under colder climate conditions with manual control		A+
Energy efficiency class under average climate conditions with manual control		A
Energy efficiency class under warmer climate conditions with manual control		E
Ventilation unit type		WLA, Zwei Richtungen
Drive type		Drehzahlgeregelt
Heat recovery type		Rekuperativ
Rate of temperature change for heat recovery	%	89,3
Max. air flow rate	m³/h	450
Max. power consumption	W	125
Sound power level LWA	dB(A)	50
Reference air flow rate	m³/s	0,087
Reference pressure differential	Pa	50
Specific power input	W/(m³/h)	0,18
Control factor, manual control		1,00
Internal air leakage quota	%	1,02
External air leakage quota	%	0,78
Filter change indicator		Visual filter change warning signal on the remote control display
Annual power consumption under colder climate conditions with manual control	kWh/a	795
Annual power consumption under average climate conditions with manual control	kWh/a	258
Annual power consumption under warmer climate conditions with manual control	kWh/a	213
Annual heating savings under colder climate conditions with manual control	kWh/a	8920
Annual heating savings under average climate conditions with manual control	kWh/a	4560
Annual heating savings under warmer climate conditions with manual control	kWh/a	2062