



ENERG
енергия · ενεργεια



STIEBEL ELTRON

VRC-W 450 E Trend



50
dB



450 m³/h



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

		VRC-W 450 E Trend
		205079
Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with control subject to on-site requirements	kWh/(m²a)	-78,53
Specific energy consumption under average climate conditions with control subject to on-site requirements	kWh/(m²a)	-41,68
Specific energy consumption under warmer climate conditions with control subject to on-site requirements	kWh/(m²a)	-17,87
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		Drehzahl geregelt
Heat recovery type		Rekuperativ
Rate of temperature change for heat recovery	%	76,8
Max. air flow rate	m³/h	450
Max. power consumption	W	116
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	%	1,10
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	667
Annual power consumption under average climate conditions with control subject to on-site requirements	kWh/a	130
Annual power consumption under warmer climate conditions with control subject to on-site requirements	kWh/a	85
Annual heating savings under colder climate conditions with control subject to on-site requirements	kWh/a	8647
Annual heating savings under average climate conditions with control subject to on-site requirements	kWh/a	4420
Annual heating savings under warmer climate conditions with control subject to on-site requirements	kWh/a	1999



ENERG
енергия · ενεργεια



STIEBEL ELTRON

VRC-W 450 E Trend



50
dB



450 m³/h



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

		VRC-W 450 E Trend
		205079
Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with central demand-dependent control	kWh/(m²a)	-74,14
Specific energy consumption under average climate conditions with central demand-dependent control	kWh/(m²a)	-38,65
Specific energy consumption under warmer climate conditions with central demand-dependent control	kWh/(m²a)	-15,70
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	%	76,8
Max. air flow rate	m³/h	450
Max. power consumption	W	116
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	%	1,10
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	727
Annual power consumption under average climate conditions with central demand-dependent control	kWh/a	190
Annual power consumption under warmer climate conditions with central demand-dependent control	kWh/a	145
Annual heating savings under colder climate conditions with central demand-dependent control	kWh/a	8358
Annual heating savings under average climate conditions with central demand-dependent control	kWh/a	4272
Annual heating savings under warmer climate conditions with central demand-dependent control	kWh/a	1932



ENERG
енергия · ενεργεια



STIEBEL ELTRON

VRC-W 450 E Trend



50
dB



450 m³/h



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

		VRC-W 450 E Trend
		205079
Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with time control	kWh/(m²a)	-71,91
Specific energy consumption under average climate conditions with time control	kWh/(m²a)	-37,01
Specific energy consumption under warmer climate conditions with time control	kWh/(m²a)	-14,46
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		Drehzahl geregelt
Heat recovery type		Rekuperativ
Rate of temperature change for heat recovery	%	76,8
Max. air flow rate	m³/h	450
Max. power consumption	W	116
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	%	1,10
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	763
Annual power consumption under average climate conditions with time control	kWh/a	226
Annual power consumption under warmer climate conditions with time control	kWh/a	181
Annual heating savings under colder climate conditions with time control	kWh/a	8213
Annual heating savings under average climate conditions with time control	kWh/a	4198
Annual heating savings under warmer climate conditions with time control	kWh/a	1898



ENERG
енергия · ενεργεια



STIEBEL ELTRON

VRC-W 450 E Trend



50
dB



450 m³/h



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

		VRC-W 450 E Trend
		205079
Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with manual control	kWh/(m²a)	-70,58
Specific energy consumption under average climate conditions with manual control	kWh/(m²a)	-36,15
Specific energy consumption under warmer climate conditions with manual control	kWh/(m²a)	-13,81
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		Drehzahl geregelt
Heat recovery type		Rekuperativ
Rate of temperature change for heat recovery	%	76,8
Max. air flow rate	m³/h	450
Max. power consumption	W	116
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	%	1,10
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	782
Annual power consumption under average climate conditions with manual control	kWh/a	245
Annual power consumption under warmer climate conditions with manual control	kWh/a	200
Annual heating savings under colder climate conditions with manual control	kWh/a	8141
Annual heating savings under average climate conditions with manual control	kWh/a	4161
Annual heating savings under warmer climate conditions with manual control	kWh/a	1882